

CyberLink

PhotoDirector

User's Guide



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Chapter 1:

Introduction

This chapter introduces CyberLink PhotoDirector and provides an overview of all its features. It also outlines the system requirements for installing and using the program.



Note: this document is for reference and informational use only. Its content and the corresponding program are subject to change without notice. For more helpful tips on using the program, please visit our user forum, or see the video tutorials in the Learning Center at <https://directorzone.cyberlink.com/tutorial/phd>.

Welcome

Welcome to the CyberLink family of digital media tools. CyberLink PhotoDirector is a photography program that lets you manage, adjust, and edit your digital photos, or create new ones using layers. You can then share your photos on Flickr, use them in slideshows, produce slideshow videos you can upload to YouTube, and much more.

Latest Features

This section outlines some of the latest features within the CyberLink PhotoDirector program.

360° Photo Editor*

- Fix 360° photos using the straighten and tripod removal tools.
- Apply color, lighting, and others adjustments to 360° photos.
- Use 360° photos to create panoramas.
- Create new little planet photos.

More Photo Adjustment Tools

- Brighten the colors in photos using the dehaze feature to make them clearer*.
- Remove color fringing on high contrast edges with the defringe feature*.

New Creative Tools

- Auto create panoramas from imported video clips*.
- Output multi exposure photos as animated GIFs.
- Create Motion Stills™ images - animated GIFs on a still photo background*.
- Produce classic animated GIFs quickly from your imported photos.

More Advanced Layer Tools

- Add drop shadows and borders to layer objects*.
- Distort photo objects for more creative layer composites*.
- 10 new blending modes for layer projects*.

More PhotoDirector Improvements

- Import and export user interface improvements.
- IPTC profiles for batch metadata editing.
- Page size layout profiles for easier printing.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

DirectorZone and CyberLink Cloud

You can upload/download color presets and lens profiles, and back up photos, preferences, projects, and more with the DirectorZone and CyberLink Cloud* features.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

DirectorZone

DirectorZone is a free web service that lets you search for and download color presets and lens profiles created by other users of CyberLink PhotoDirector.

To access the benefits of DirectorZone, you can sign in by:

- clicking the **Sign in to DirectorZone** link in the top right corner of the CyberLink PhotoDirector window.
- clicking the  button at the top of the window to open the PhotoDirector preferences, and then on the **DirectorZone** tab. See [DirectorZone Preferences](#) for more information.

Also, be sure to periodically click the  button to check out the latest **DirectorZone Bulletin**, and view **Templates and Tutorials on DirectorZone** or the **Photo Gallery on DirectorZone**. Just click in one of these sections in the Notifications window to view the bulletin or download these templates. Or go to <https://directorzone.cyberlink.com> to find out more information on the features and benefits of the DirectorZone web service.

CyberLink Cloud

CyberLink Cloud is a cloud storage service from CyberLink where users can upload and download their presets, PhotoDirector projects, exported photos, and more. CyberLink Cloud allows users to back up media, preferences, projects, etc., and ensure their working environment is the same on multiple computers.



Note: CyberLink Cloud is a subscription cloud storage service that is included with some CyberLink products, and is available for purchase through our web site. For more detailed information, see <https://www.cyberlink.com/products/cyberlink-cloud/>.

PhotoDirector Versions

The features that are available in CyberLink PhotoDirector are completely dependent on the version you have installed on your computer.

To view the PhotoDirector version table, please go to our web site: https://www.cyberlink.com/products/photodirector-ultra/compare_en_US.html

Click the CyberLink PhotoDirector logo in the top right, or select **Help > About CyberLink PhotoDirector** from the menu, to determine the version and build number for your copy of CyberLink PhotoDirector.

PhotoDirector Live

PhotoDirector Live is a subscription based version of CyberLink PhotoDirector that provides all the photo adjustment features you expect, and adds the CyberLink Cloud storage service and more.

With a PhotoDirector Live subscription, you get:

- All the advanced photo adjustment and editing features of the Ultra version of CyberLink PhotoDirector.
- The ability to back up program preferences, projects, and presets on the cloud storage space CyberLink Cloud.
- Guaranteed updates to the latest versions of CyberLink PhotoDirector Ultra.

PhotoDirector Live is the must-have solution for on-the-go photo editors who want easy access to their media and the latest up-to-date photo editing technologies.


Updating PhotoDirector

Software upgrades and updates (patches) are periodically available from CyberLink. CyberLink PhotoDirector automatically prompts you when either is available.



Note: you can prevent CyberLink PhotoDirector from auto checking for updates/upgrades in [General Preferences](#).

To update your software, do this:

1. Click the  button to open the Notifications window.
2. Check the **New Updates** and **Upgrade Info** sections.
3. Select an item in these sections to open your web browser, where you can purchase product upgrades or download the latest patch update.



Note: you must connect to the Internet to use this feature.

System Requirements

The system requirements listed below are recommended as minimums for using the CyberLink PhotoDirector program.

System Requirements	
Operating System	<ul style="list-style-type: none">• Microsoft Windows 10, 8/8.1, 7 (64 bit OS recommended)
Processor (CPU)	<ul style="list-style-type: none">• Intel Core™ i-series or AMD Phenom® II and above
Graphics Processor (VGA)	<ul style="list-style-type: none">• 128 MB VGA VRAM or higher
Memory	<ul style="list-style-type: none">• 2 GB required
Screen Resolution	<ul style="list-style-type: none">• 1024 x 768, 16-bit color or above
Hard Disk Space	<ul style="list-style-type: none">• 1 GB required
Internet Connection	<ul style="list-style-type: none">• Internet connection also required for initial software & file formats activation

Chapter 2:

Importing Photos

The first step when using CyberLink PhotoDirector is to import your photos into the program. CyberLink PhotoDirector supports a variety of different photo file types, including most camera RAW file formats.

Supported File Formats

CyberLink PhotoDirector supports the following photo file formats for importing:

Photos: BMP, JPEG, PNG, TIFF.

RAW photo formats: CyberLink PhotoDirector also supports the import of most camera RAW photo formats. See the PhotoDirector spec page on the CyberLink web site for an up-to-date list of all the supported RAW photo formats:

https://www.cyberlink.com/products/photodirector-ultra/spec_en_US.html



Note: you can also import PHI files into CyberLink PhotoDirector, which are PhotoDirector layers project files. See [Layers](#) for more information.

Importing Photos into the Library

You can import photos into CyberLink PhotoDirector from your computer's hard drive, a digital camera, and also from removable devices, such as memory cards and portable hard drives.

To import photos into CyberLink PhotoDirector, do this:


1. Click on **Library**, and then on the **Import** button at the bottom of the library panel.
2. Select one of the following import options:
 - **Photos:** select to import individual photo files. Once selected, browse to and then select all of the photos on your computer/removable device that you want to import, and then click **Open**. Thumbnails of all the photos display in the Photo Import window.



Note: if the photo files you want to import are not displayed in the current folder, ensure that the correct file type is selected in the bottom right corner of the **Select Some Photos** dialog.

- **Folder:** select to import a folder that contains your photos. Once selected, browse to and then select the folder on your computer/removable device that you want to import photos from, and then click **Select Folder**. Thumbnails of all the photos in the selected folder display in the Photo Import window.
- **From Camera:** select to import photos directly from a digital camera or a card reader. Ensure that your camera is connected to your computer (and turned on) and then select **From Camera** to import photos from it. Once selected, the Photo Import window displays. Select your camera (or card reader) from the **Source** drop-down to display thumbnails of all the photos in the Photo Import window.
- **From Cloud*:** if you have a subscription to CyberLink Cloud, select this option to download photos that are in your CyberLink Cloud storage. Once selected, find all the photos you want to download, select them, and then click the **Download** button.



Note: you can use  in the bottom right of the preview window to resize the photo thumbnails. * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.




3. Select **Include subfolders**, if you are importing photos from a folder, device, or digital camera, to display and import photos that are in any subfolders.
4. Select **Exclude possible duplicates** to have CyberLink PhotoDirector filter out any photos that were imported previously.
5. Manually select the thumbnails of the photos you want to import, or click **Select All** or **Deselect All** buttons if necessary.



6. Click **Import**. CyberLink PhotoDirector imports the photos into your project library.

Advanced Import Options

Before clicking the **Import** button, you can click the **Advanced** button at the top of the import window to use these advanced import options.

- **Make Extra Copy:** click this option and then select **Copy to below path** if you want CyberLink PhotoDirector to make a copy of the imported photos in another folder. Click  to select the folder and then how you want to **Organize** them by selecting one of the following:
 - **Put in Single Folder:** puts all of the photos in one folder.
 - **By Original Folder Structure:** duplicates the original folder structure from the source location.
 - **By Capture Date:** puts the photos in a series of folders, labeled by the date they were captured. Click  to set the date format for the folder naming, and  to edit the name of the folder that will be created in this location.
- **Rename During Import:** select this option to [rename the photos during the import process](#).
- **Apply During Import:** select this option to [apply photo presets and more during the import process](#).

Rename During Import

When importing photos into CyberLink PhotoDirector, if you chose to make an extra copy in another photo, you can rename them as they are being imported.

To rename photos during import, do this:

1. In the Photo Import window, click **Advanced** button at the top of the window.
2. Select the **Make Extra Copy** option on the right and then **Copy to below path**. See [Advanced Import Options](#) for more details.
3. Click the **Rename During Import** option and then select **Rename**.

- Once selected, choose the naming **Format** from the drop-down. The **Original filename** options use the name of the photo file, but will add a numbering sequence or the capture date to the end. Select a **Custom filename** option to enter in your own **Custom name** for the photo files in the field provided. You can also specify the photo file numbering format (sequence number or X of Y), and the starting number used.



*Note: see the **Example** field for a preview of the new photo file names.*

Apply During Import

CyberLink PhotoDirector can apply adjustment presets and auto fixes to photos during the import process. You can also begin organizing your photos by adding copyright information, keyword tags, and IPTC profiles as they are imported.

To apply presets, auto fixes, and more during import, do this:

- In the Photo Import window, click **Advanced** button at the top of the window.
- Click the **Apply During Import** option on the right of the window.
- Select one or more of the following options:
 - Apply preset:** select to apply the adjustment preset you select from the drop-down to all of the photos during import. See [Using Adjustment Presets](#) for more detailed information about adjustment presets.
 - Apply auto fix:** select this option and then **Auto tone** if you want CyberLink PhotoDirector to auto adjust the color tone in the photos as they are imported. You can also select **Auto denoise** if you want to automatically remove image noise during the import process.



Note: you can either apply a preset or auto fix during import. You cannot apply both at the same time.

- IPTC profile:** select a created IPTC profile from the drop-down to add its IPTC metadata during import. See [Creating IPTC Profiles](#) for more information.
- Copyright:** in the field provided, enter in the copyright text you would like to embed in each photo. The copyright information can be viewed and edited later on the [Metadata tab](#) in the library panel.

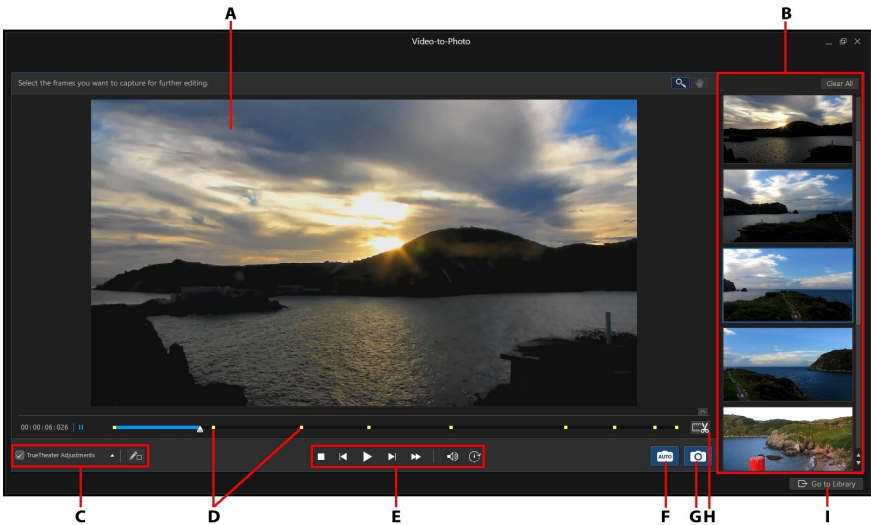
- **Tags:** in the field provided, enter in the [keyword tags](#) you want to apply to each photo, separated by a semi colon.



Note: you can add existing tags by typing in the tag name and then selecting them. To add new tags, just enter the new tag name in the field provided, and they will be added to the library during import.

Importing Videos (Video-to-Photo)

You can import videos files into CyberLink PhotoDirector, and then capture selected video frames. These video frames are imported as new photos into the library, where they can be adjusted, edited, and much more.



A - Preview Window, B - Captured Frames/New Photos Panel, C - TrueTheater Adjustments, D - Captured Frame Indicators, E - Playback Controls, F - Auto Capture, G - Capture Frame, H - Trim Video, I - Go to Library/Import New Photos

To import videos into CyberLink PhotoDirector, do this:

1. Click on **Library**, the **Import** button at the bottom of the library panel, and then select **Video-to-Photo**.

2. Browse to and select the video file you want to import, and then click **Open**.
3. Select one of the following Video-to-Photo import options:

- **Capture Video Frames as New Photos:** select this option to just capture frames of your video file and import them into the library. Once in the library you can make adjustments to them, or use them with any of the other features available in CyberLink PhotoDirector.
- **Create a Panorama Photo:** use this option to capture frames of your video file and use them to create a panorama image. See [Panorama](#) for information on creating a panorama image once imported, or [Auto Create Panorama from Video](#) if you want CyberLink PhotoDirector to create it for you automatically.



Note: for the best results, use a video file where the camera steadily pans left or right.

- **Make a Perfect Group Shot:** select this option to capture frames of your video file and then use them to incorporate the best faces in a new photo. See [Face Swap](#) for information once imported.



Note: for the best results, make sure there is minimal camera, background, and head movement of the subjects in the video you are using for this feature.

- **Compose a Multi Exposure Photo:** use this option to capture frames of your video file to create a multi exposure photo. See [Multi Exposure](#) for information once imported.





Note: for the best results, make sure there is minimal camera or background movement in the video you are using for this feature.

- **Create Animated GIF File:** select this option to capture video frames and then use them to create an animated GIF. See [Creating Animated GIFs](#) for information once imported.
- **Create Motion Stills™ Image:** use this option to capture video frames to create Motion Stills™. See [Creating Motion Stills™](#) for information once imported.



Note: for the best results, make sure there is minimal camera or background movement in the video you are using for this feature.

4. In the Video-to-Photo window, before capturing any frames, you can:
 - [Trim the imported video clip.](#)

- [Apply TrueTheater adjustments.](#)
5. You can import photos from your video by:
 - [Manually Capturing Video Frames as New Photos.](#)
 - [Auto Capturing Video Frames as New Photos](#)
 6. After capturing photos, click the **Go to Library** button.
 7. Set the Capture Settings as follows:
 - **Folder:** indicates the folder on your computer where the photos will be saved. To change the folder, click  and then browse to and select the new folder.
 - **Put in subfolder:** select this option if you want to place the imported photos in a new subfolder. Input the name of the new folder in the field provided.
-  **Note:** you can click **Advanced** for more capture settings. See [Advanced Capture Settings](#) for more information.
8. Click **Import** to import the new photos into the library, and use them in the selected feature.


Supported Video File Formats

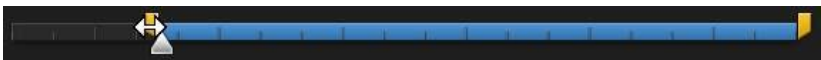
CyberLink PhotoDirector supports the following video file formats for importing:

3G2, 3GP, 3GPP2, ASF, AVI, DAT, FLV, M2T, M2TS, M2V, M4V, MKV, MOD, MOV, MP4, MPE, MPG, MPEG, MTS, TOD, TPD, TRP, TS, VOB, VRO, WMV

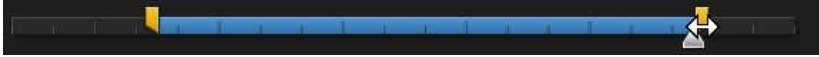
Trimming a Video Clip

Before [importing a video and capturing its frames](#), you can trim the imported video clip. To trim the video clip, do this:

1. Click the  button to open the Trim window.
2. Use the player controls to find where you want the trimmed clip to begin, and then drag the mark in position slider to this position.



- Use the player controls to find where you want the trimmed clip to end, and then drag the mark out position slider to this position.



- If required, you can preview what the trimmed clip will look like by clicking **Output** and then clicking the play button on the player controls. Click **Original** if you want to play the original video.
- Click **OK** to set your changes and trim the clip.




Note: you can reenter the trim window to refine the trimmed clip at any time.


Applying TrueTheater Adjustments

Before [importing a video and capturing its frames](#), you can apply TrueTheater Adjustments to enhance your video and the resulting photos.

To apply TrueTheater Adjustments, do this:

- Select the **TrueTheater Adjustments** check box in the bottom left corner to enable them.
- Click  and then adjust the TrueTheater Adjustments options as follows:
 - Sharpness:** select this option to up scale the original video to a higher resolution version, which is sharper and artifact-free. Use the slider to adjust the sharpness to the best output that suits your configuration.
 - Lighting:** is a video enhancement technology developed by CyberLink that detects video content and dynamically adjusts the brightness/contrast ratios. Use the level slider to adjust the TrueTheater Lighting effect the desired amount.
 - Color:** select this option to dynamically adjust the color saturation ratio in the video. Use the level slider to make the colors in the video more vivid, without affecting skin tones.




Note: you can click and hold  while applying the TrueTheater Adjustments to view the original video and compare how the adjustments have enhanced your video.






Manually Capturing Video Frames as New Photos

After [importing a video](#) into CyberLink PowerDirector, to manually capture its frames, do this:

1. Use the playback controls to find a moment in your video where you want to capture the video and then pause the video.



*Note: if you find that the video preview is not smooth during playback, you can click  and then select **Non Real-time Preview**. This mutes the audio and displays the preview at a reduced speed to help make the preview go more smoothly.*

2. If required, use the  and  buttons to find the exact video frame you want to capture.
3. When ready, click  to capture the frame of video and add it to the captured frames panel.
4. Repeat steps 1-3 to capture as many frames as required.
5. If required, hover your mouse over a photo in the captured frames panel and then click  for a larger view. Click **X** to remove any captured photos from the panel.
6. When you are done, click the **Go to Library** button.
7. Set the Capture Settings as follows:
 - **Folder:** indicates the folder on your computer where the photos will be saved. To change the folder, click  and then browse to and select the new folder.
 - **Put in subfolder:** select this option if you want to place the imported photos in a new subfolder. Input the name of the new folder in the field provided.



*Note: you can click **Advanced** for more capture settings. See [Advanced Capture Settings](#) for more information.*



- Click **Import** to import the new photos into the library.

Auto Capturing Video Frames as New Photos

After [importing a video](#) into CyberLink PowerDirector, if you selected the **Import Video Frames as New Photos** option, you can use this feature to capture a large number of photos quickly. To auto* capture frames as new photos, do this:



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

- Click on **Library**, the **Import** button at the bottom of the library panel, and then select **Video-to-Photo**.
- Browse to and select the video file you want to import, and then click **Open**.
- Select the **Import Video Frames as New Photos** option.
- In the Video-to-Photo window, click on the **Auto** button.
- In the **Frames** field, input how many photos (frames of video) you want captured from the video.
- Click the **Start** button. CyberLink PowerDirector will capture the specified number of frames and import them into the captured frames panel.
- If required, hover your mouse over a photo in the captured frames panel and then click  for a larger view. Click **X** to remove any captured photos from the panel.
- When you are done, click the **Go to Library** button.
- Set the Capture Settings as follows:
 - Folder:** indicates the folder on your computer where the photos will be saved. To change the folder, click  and then browse to and select the new folder.

- **Put in subfolder:** select this option if you want to place the imported photos in a new subfolder. Input the name of the new folder in the field provided.



Note: you can click **Advanced** for more capture settings. See [Advanced Capture Settings](#) for more information.

10. Click **Import** to import the new photos into the library.

Auto Create Panorama from Video

After [importing a video](#), if you selected the **Create a Panorama Photo*** option, CyberLink PhotoDirector can create a panorama for you automatically. To auto create a panorama from a video, do this:



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

1. Click on **Library**, the **Import** button at the bottom of the library panel, and then select **Video-to-Photo**.
2. Browse to and select the video file you want to import, and then click **Open**.
3. Select the **Create a Panorama Photo** option.
4. In the Video-to-Photo window, click on the **Auto** button. CyberLink PhotoDirector will auto capture video frames and then merge the photos to create the panorama.



Note: if you are not satisfied with the results, click **Retry** to try again.

5. When the merge is complete, adjust the position and size of the crop area to create the panorama image you want.




Note: by default, CyberLink PhotoDirector does not include any of the black areas in the crop area. However, if you expand/move the crop area and it includes some black areas, select the **Auto fill boundary** option. CyberLink PhotoDirector will fill in the black area using nearby pixels to create a complete image.

6. When you are done, click on the **Save** button to save the panorama to your computer's hard drive.
7. Enter in a file name for the panorama, select the save location on your computer, and then click **Save**.

Advanced Capture Settings

During the [video import and capture process](#), you can set the following advanced capture settings:

1. In the **Destination** section of the Import Settings window, specify the import location as follows:
 - **Folder:** specify the folder that photos are imported to as follows:
 - Click on  to specify a specific folder on your computer where the photos are imported to.
 - **Put in subfolder:** select this option if you want to place the imported photos in a new subfolder. Input the name of the new folder in the field provided.
2. In the **File Settings** section of the Import Settings window, if required, you can specify the file format and color space as follows.
 - **Format:** specify whether you want the captured photos to be in the JPEG, PNG, or TIFF file format.
 - **Color space:** select the type of color space you want used on the imported photos.
3. In the **Image Size** section of the Import Settings window is where you can set the size of the imported photos, as follows:
 - **Keep original resolution as video frame:** select this option if you don't want the photos resized during the import process.
 - **Resize to fit:** select this option if you want CyberLink PhotoDirector to resize the photos during the import process. In the fields provided, specify the new size as follows:
 - **Width/Height:** specify the width or height of each photo in the fields provided. CyberLink PhotoDirector will resize photos to the specified size, and ensure the photos maintain their current aspect ratio.
 - **Resolution:** enter the desired resolution of the photos in the field provided.
4. In the **Naming format** section of the Import Settings window, specify the naming convention used on the imported photo files as follows:



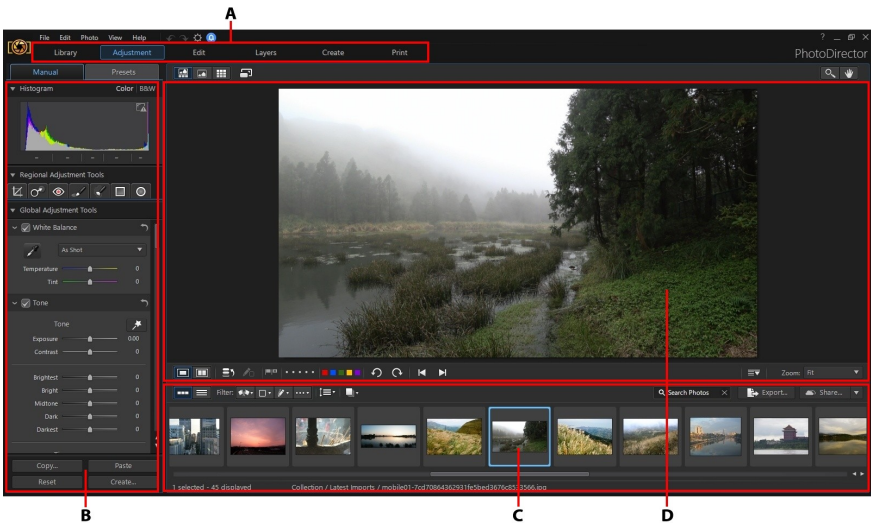
Note: see the **Example** field at the bottom of **Naming format** section to view an example of the naming that will be used on the imported photos.

- **Prefix:** in the field provided, enter the prefix used in each photo file name.
 - **Start number:** if you want the file name to contain a number sequence, specify the starting number in the field provided.
5. In the **Apply during import** section of the Import Settings window, you can add copyright information and keyword tags as follows:
- **Copyright:** in the field provided, enter in the copyright text you would like to embed in each photo. The copyright information can be viewed and edited later on the Metadata tab in the library panel.
 - **Tags:** in the field provided, enter in the keyword tags you want to apply to each photo, separated by a semi colon.
6. Click **Import**. CyberLink PhotoDirector will capture and import the photos as specified.

Chapter 3:

The PhotoDirector Workspace

This chapter outlines the CyberLink PhotoDirector workspace, and all of its features. Getting familiar with the workspace is helpful, because it is where you spend all of your time when using CyberLink PhotoDirector.



A - PhotoDirector Modules, B - Adjustment Panel, C - Photo Browser Panel, D - Photo Viewer Window

PhotoDirector Modules

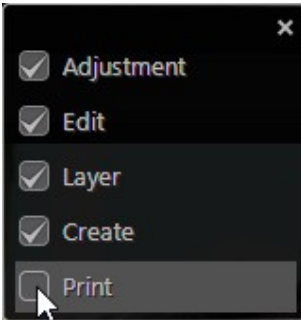
CyberLink PhotoDirector is comprised of six main modules: **Library, Adjustment, Edit, Layers, Create, and Print.**


Hiding PhotoDirector Modules

If required you can customize which modules are displayed/available in CyberLink PhotoDirector. To hide any of the modules, just right click at the top of CyberLink PhotoDirector window and then deselected it from the list.



Note: the Library module cannot be hidden.



You can also click  at the bottom of the photo viewer to hide any of the PhotoDirector modules. If you'd like to make the module available again, just right click and then reselect it in the list.



Note: before you can hide a module, you must exit that module/enter a different module.

Library

Click the **Library** button to open the photo library of CyberLink PhotoDirector. When you import photos into CyberLink PhotoDirector, they are stored in the photo library. Once in the library you can organize them in a smart collection, folder, album, and by keyword tags. See [Photo Library](#) for more information.

Adjustment

The Adjustment module is where you touch up and make adjustments to the photos in your library. Click the **Adjustment** button to apply presets, crop and

rotate photos, apply gradients, remove spots, red-eye, and make other corrections. You can also adjust white balance, sharpness, color, and much, much more. See [Adjustments](#) for more information.

Edit

Click the **Edit** button to touch up the faces in your photos, apply effects, remove objects and backgrounds, create panoramas and multi exposure photos, apply watermarks and frames on your photos, and much more. See [Edits](#) for more information.

Layers

Click the **Layers** button to perform advanced photo composing to create stunning images using multiple images, text, and mask layers. See [Layers](#) for detailed information.

Create

In this module you can use your photos to create slideshows with background music, animated GIFs, and Motion Stills™. Click the **Create** button to access the Create module. See [Creating](#) for more information on all the features in this window.

Print

Once you have finished adjusting and editing your images, click the **Print** button to print them. You can print off your photos one at a time, print multiple photos on a single sheet of paper, and also add watermarks to your printed photos. For more information see [Printing Photos](#).

Photo Library

All of the photos that you import into CyberLink PhotoDirector can be found by clicking on the **Library** button at the top of the window. The photo library has two tabs: [Project](#) and [Metadata](#). To access either tab, simply click on it to view its contents.



Project Tab

Click the **Library** button and then the **Project** tab to access all of the photos in the library. When photos are imported into the library, a CyberLink PhotoDirector project database keeps track of photo location, and associated photo information, including adjustments you make to each photo. If required you can add new projects, open existing projects, or export smart collections, albums, folders, and tags as new projects.

On the Project tab you can also organize imported photos by album, folder, keyword tags, and more.


Smart Collection

CyberLink PhotoDirector automatically organizes your photos in a smart collection for easy browsing. Every time you import, rate, or reject photos, CyberLink PhotoDirector updates the smart collection.

- **All Photos:** select to view all the photos you have imported into the current project database.
- **Latest Imports:** select to view the photos that were most recently imported into the library.
- **1 Star or Better:** select to view photos you have rated 1 or more stars.
- **5 Stars:** select to view all the photos you have rated 5 stars.
- **Rejected:** select to view all the rejected photos.

Right click on a smart collection folder to export the photos, or create a new project that contains just the photos in the selected collection. You can also **Rename**, **Edit** or **Delete** some folders out of the smart collection.

You can also create a custom smart collection based on rules you specify. To create a custom smart collection, do this:

1. Select the **Project** tab, and then click  in the Smart Collection section.
2. Select **Create Smart Collection**.
3. Enter the information in the fields as follows:
 - **Name:** enter a name for the new collection of photos.

- **Match:** select whether to match at least one (**Any**) of the rules, **All** of the rules, or **None** of them.
4. Use the drop-down boxes to set the rules for the type of photos that you want to include in the smart collection.
 5. Click on **Create** to finish. CyberLink PhotoDirector creates the collection based on your selected rules.

Folders

When photos are imported into the library, CyberLink PhotoDirector organizes them into folders based on the structure of the import source location.

Right click on a folder to:


- **Synchronize Folder:** select to ensure the folder is up-to-date. Use this feature if the photos were added, deleted, or moved out of the folder. Synchronize folders as follows:

Synchronizing folder options

If CyberLink PhotoDirector detects any changes, the following related options become enabled.

- **Import new photos:** if photos were added to the folder, this option becomes enabled. Select it to import the specified number of photos into the folder.
- **Show import dialog before importing:** select if you want to display the Photo Import window before importing. If you do not select this option, CyberLink PhotoDirector performs a background import of the photos.
- **Remove missing photos:** if there are missing photos in the folder, this option becomes enabled. Select it to remove the specified number of photos from the folder. Click the **Show Missing Photos** button to see which photos are missing.


Click the **Synchronize** button to begin the process.

- **Find Missing Folder:** select to locate the selected folder if it was moved to a different location. Click the  button to specify the New location of the missing folder.

- **Export Photos:** select to export the photos, with any changes applied to them, in the selected folder. See [Exporting and Sharing Photos](#) for more information.
- **Export Folder as New Project:** select to create a new project database that only includes the photos in the selected folder.
- **Tag Faces:** select this option if you want CyberLink PhotoDirector to analyze all the photos in the selected folder and tag any faces it detects in them. See [Tagging Faces](#) for more information.
- **Remove from Library:** select to remove the selected folder, and all of the photos it contains, from the library.
- **Locate on Disk:** select to view the selected folder, and all of its contents, in Windows Explorer.
- **Rename Folder:** select to give the selected folder a different name.

Albums

You can organize your photos in custom albums. To create a new album, do this:

1. Select the **Project** tab, and then click  in the Albums section.
2. In the pop-up menu that displays:
 - select **Create Album with Selected Photos** to create a new album that contains all the current photos you have selected.
 - select **Create Empty Album** to create an album that does not have any photos in it.
 - select **Create Empty Album Set** to create a new album set. Album sets are comprised of a number of albums that you can group together. You cannot add photos directly into an album set, but it can contain multiple albums comprised of a number of photos.
3. Enter an **Album name** in the dialog that displays, and then click **Create** to add it to the library.

To add photos into albums in the library, just drag them from the photo browser panel to the album in the library.



Right click on an album to:

- **Export Album as New Project:** select to create a new project database that only includes the photos in the selected album.
- **Export Photos:** select to export the photos, with any changes applied to them, in the selected album. See [Exporting and Sharing Photos](#) for more information.
- **Tag Faces:** select this option if you want CyberLink PhotoDirector to analyze all the photos in the selected album and tag any faces it detects in them. See [Tagging Faces](#) for more information.
- **Rename:** select to give the selected album a different name.
- **Delete:** select to delete the selected album from the library. Any photos it contains are not removed from the project library.


Tags

You can add keyword tags to photos in the project library. Tags are useful for photo management and when sharing photos, as users search by tag keywords to find photos they are interested in.

To create a new tag, do this:




Note: you can also create new tags on the Metadata tab.

1. Select the **Project** tab, and then click  in the Tags section.
2. In the pop-up menu that displays:
 - select **Create Tag** to create new tag in the project library.

- select **Create Tag with Selected Photos** to create a new tag and then add them to all the current photos you have selected.

3. Enter a **Tag name** in the dialog that displays.



*Note: if an existing tag was selected when you clicked , the **put in** option is available. Select this option to add the new tag as a subcategory of the selected tag. Deselect it to add the tag at the same level as the selected tag.*

4. Click **Create** to add it to the library.

To add keyword tags to photos in the library, just drag photos from the photo browser panel to the tag in the library.

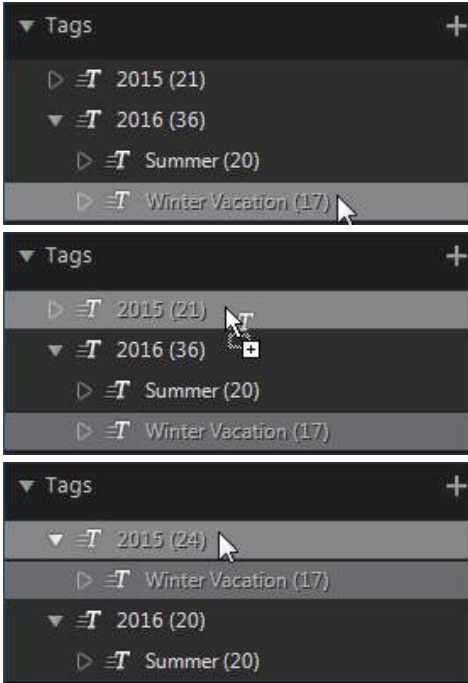


Right click on a tag to:

- **Export Tag as New Project:** select to create a new project database that only includes the photos with the selected tag.
- **Export Photos:** select to export the photos, with any changes applied to them, with the selected tag. See [Exporting and Sharing Photos](#) for more information.
- **Tag Faces:** select this option if you want CyberLink PhotoDirector to analyze all the photos in the selected keyword tag and tag any faces it detects in them. See [Tagging Faces](#) for more information.
- **Rename:** select to give the selected tag a different name.
- **Delete:** select to delete the selected tag from the library. Any photos with the tag are not removed from the project library.



Note: you can also change the tag structure by dragging and dropping them on other tags. When a tag is dropped on another tag, it becomes a subcategory of that tag.



Faces

When faces are tagged* in your photos, they are added to this section of the library panel, organized by people. Click on a person in the list to view all the photos that he/she is tagged in, in the photo browser panel.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

If you haven't tagged any faces yet, select a folder/album/smart collection/tag in the library, select the photos in the photo browser panel, and then click the **Tag Faces** button. See [Auto Tagging Faces](#) for instructions on how to tag the faces in

your photos. If you want to manage the people and faces, see [Managing Faces in the Library](#).

Right click on a face (person's name) in the list to:

- **Rename this Face:** select to give the selected face a different name.
- **Export Photos:** select to export the photos, with any changes applied to them, that contain the tagged face. See [Exporting and Sharing Photos](#) for more information.
- **Export Face as New Project:** select to create a new project database that only includes the photos with the tagged faces.
- **Remove this Person:** select to remove the selected face tag and the person from the library. The photos that were tagged are not removed from the project library.

Tagging Faces in Photos


CyberLink PhotoDirector can analyze the photos in your library, detecting any faces in them. You can then tag* the people you want in your photos, by reviewing the results or by manually tagging them yourself. Once the faces are tagged, the photos are then categorized in the Faces section of the library.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

Analyzing Photos for Faces

CyberLink PhotoDirector uses face recognition to auto detect the faces in your photos. To have CyberLink PhotoDirector analyze photos for faces, do this:



1. Click the **Library** button and then select the smart collection, folder, etc. that contains the photos you want to tag faces in.
2. Select all of the photos in the photo browser panel that you want to analyze.
3. Click the  button. CyberLink PhotoDirector will analyze the photos and detect all the faces in them.

- When the analysis process is complete, the Tag Faces window is displayed. See [Managing Faces in the Library](#) below for information on managing the faces you just finished analyzing.

Managing Faces in the Library



After CyberLink PhotoDirector has analyzed photos, it groups similar faces together in the Tag Faces window. In this window you can review each face and associate it with a person in the library, or add a new person. You can also skip faces if you want to add them later.

The Tag Faces window can be accessed by the following methods:

- select photos in the photo browser panel, and then click the  button. The Tag Faces window displays after analyzing the photos for faces.
- in the **Faces** section of the library panel, click  next to the item marked **Unknown** and then select one of the following:
 - Tag Faces in Selected Photos** to have CyberLink PhotoDirector analyze the currently selected photos for faces.
 - Tag Previously Unnamed Faces** to continue tagging and naming the faces previously analyzed.
 - Continue Last Process** if you canceled the analysis process previously before the face tagging was complete on the selected photos.

Once in the Tag Faces window you can manage the tagged faces, for each group of faces, by doing the following:



Note: CyberLink PhotoDirector groups the similar faces together in the group browser. Select a group of faces to view them and tag the faces. Click on  to show the group browser if necessary, or  to hide it.


- if the person tagged in the group of photos is not in your library, select the check boxes on the photos, click on **Select**, and then enter the person's name in the **Add New Person** field. Click **OK** to add the person and tag them in the photos.



Note: if one of the photos in a group does not match the others, just deselect its checkbox before tagging the faces, so that it won't be included.

- select the check boxes on the photos, click on the **Select** button, and then select the person from the list that matches the face in the group of photos.
- if the person tagged in the group of photos is in the suggestion list above the group of photos, just select the button with the name of the person.




Note: if required, hover your mouse over a tagged face in the Tag Faces window and then click  to view the photo the face is tagged in.

- select **Skip** to ignore the tagged face. At any time you can click on the **Skipped** tab and tag the photos if required.

Click the **Done** button to close the tag faces window when you are finished.





*Note: once you are done tagging a person in some photos, you can select more photos in the library, click  next to the person's name, and then select **Find More Faces of this Person in the Selected Photos**. CyberLink PhotoDirector will analyze all the selected photos, looking for more photos that contain this person.*

Manually Tagging Faces

If CyberLink PhotoDirector missed faces during the auto tagging process, you can manually tag faces in your photos.

To manually tag faces, do this:

1. First, ensure you are in the Library module and that the face tag tools are available on the [Photo Viewer Toolbar](#).
2. Select the photo in the browser panel you want to tag faces in.
3. Click the  button at the bottom of the photo viewer window to enter the tag face editor.
4. CyberLink PhotoDirector will place tag face boxes on all the faces it detects in the photo. If none are added, click on the  button to add one.
5. If required, drag and resize any manually placed face squares so that they fit on the person's face.
6. Do one of the following:
 - click on **Unnamed** and then enter the person's name in the **Add New Person** field. Click **OK** to add the person and tag them in the photo.

- click on **Unnamed** and then select the person from the list that matches the face in the photo.
 - if CyberLink PhotoDirector thinks it recognizes the person tagged in the photo, it will display the suggested name below the photo. Click the check mark under it if it is correct. If incorrect, click on the suggested name and then select another person from the list. If it is a new person, enter his or her name in **Add New Person** field and then click **OK**.
7. If required, repeat the above steps to tag more faces in the photo as required.



Note: at any time you can hover your mouse over a tagged face and click the X to remove the face tag information.

Metadata Tab


Click the **Library** button and then the **Metadata** tab to view the detailed embedded information for the current photo or photos that are selected. Included on the Metadata tab are the EXIF camera details and capture information, including date captured, shutter speed, and exposure information. The tab also includes fields where you can manually enter IPTC metadata for your photos, including contact and copyright information.





Note: the photo EXIF metadata available on the Metadata tab is dependent on the information that was embedded in the photo when it was shot.

General Information

At the top of the Metadata tab is some capture information about the selected photos, including whether the flash was fired, the aperture used, and the shutter speed. Here you can also:

- click  to add a color label to each photo by selecting one color from the list. You can then filter labeled photos in the photo browser panel later.
- rate each photo by selecting the desired star rating. You can then filter photos by their rating in the photo browser panel later.



- click  to flag a photo that you like and may want to use later. You can then filter flagged photos in the photo browser panel later.
- click  to reject a photo you do not like.

EXIF

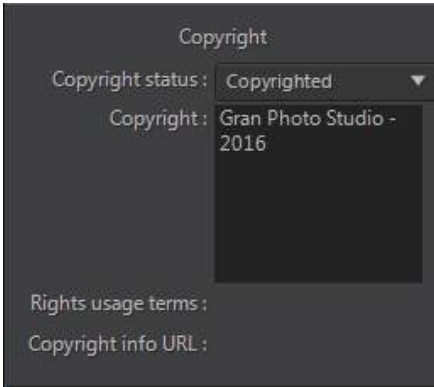
Click the **EXIF** tab to view the EXIF camera details and more capture information. If required, you can edit the EXIF capture date of one or more selected photos. Just click in the **Capture date** field, and then enter the new date and time in the YYYY-MM-DD hh:mm:ss format.

IPTC


Click on the **IPTC** tab to add IPTC metadata to your photos. To do this, select all the photos you want to add IPTC metadata information to, click in the spaces next to the IPTC fields, and then enter the metadata in the fields provided.




You can also add IPTC copyright information to your photos. To do this, select all the photos you want to add copyright information to, and then select the **Copyright status** from the drop down in the **Copyright** section. Next, click in the spaces next to the **Copyright** section, and then enter the copyright info in the fields provided.




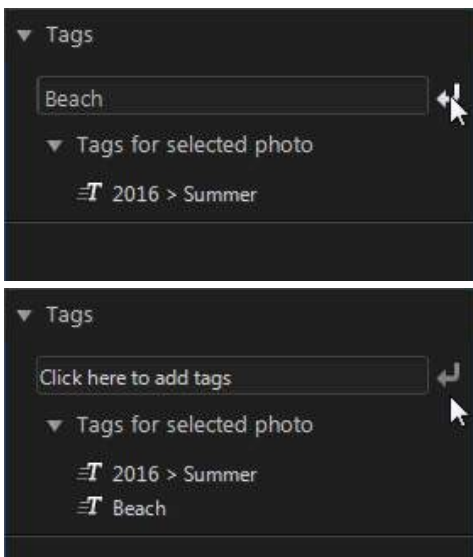
Creating IPTC Profiles


When adding IPTC metadata to your photos, click on the  button to create an IPTC profile. This allows you to quickly add the same IPTC metadata profile to other photos later, and also [apply it during photo import](#).

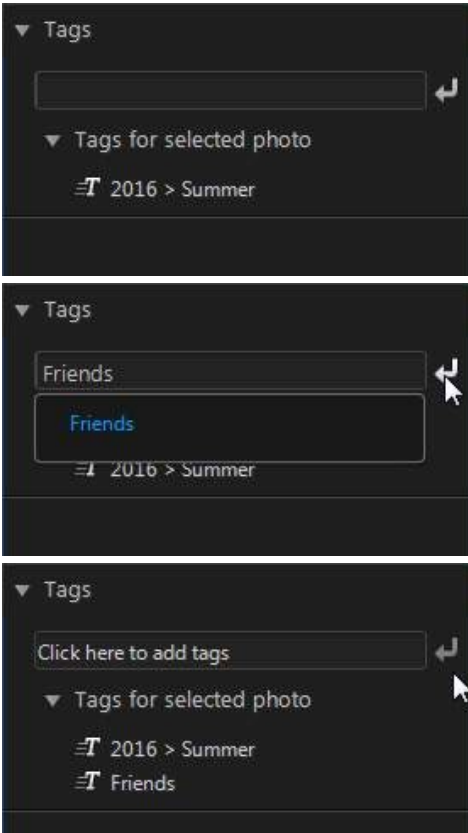
Once you create a profile, any edits you make to the profile are auto saved. To add an IPTC metadata profile to another photo, just select the photo and then the created IPTC profile from the **Apply Profile** drop-down. If you want to delete a created IPTC profile, just select it in the drop-down and then click .


Tags

Click on the **Tags** tab to view all the [keyword tags](#) for the selected photos. If required, you can create a new tag for all the selected photos by entering it in the field provided and then clicking .



You can also add existing tags to the selected photos by typing in the tag name in the field provided and then clicking .



Hover your mouse over a tag and then click  to remove it from a photo.

Adjustment Panel

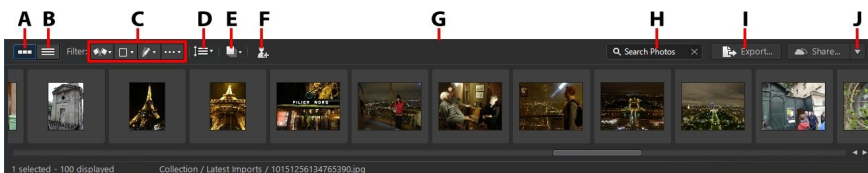
The adjustment panel displays when in the Adjustment module and contains all of the tools you use to touch up and adjust your photos. See [Adjustments](#) for a detailed description of the all the tools available on the adjustment panel.



Note: you can set the position of the adjustment panel (library panel, edit options, layers manager, etc.) in [General preferences](#).

Photo Browser Panel

The photo browser panel is where you can browse through all the photos in your project library. When you select a collection, folder, album, tag, etc. in the library panel, all the photos it contains display in the photo browser panel.





A - Thumbnail View, B - List View, C - Filter Photos, D - Sort Photos, E - Stack Photos, F - Tag Faces, G - Resize Panel, H - Search, I - Export Photos, J - Share Photos

Select a photo in the panel to display it in the photo viewer window.



Note: the time it takes for CyberLink PhotoDirector to load a preview of the photo is dependent on the preview quality selected in [File Handling Preferences](#). See [Preview cache in File Handling Preferences](#) for more information.

While browsing through photos in the panel, you can:










- select  to browse through photos in a thumbnail view that includes large photo thumbnails.
- select  to view more detailed information about photos, including date captured, aperture, and shutter speed. In list view you can also sort the photos in the panel by clicking on a column header.



Note: for best results when sorting photos in list view, try the **Browser Only** mode. See [Selecting View Mode](#) for more information.

- when in thumbnail view, select a photo and then rate it by selecting the desired star rating.



- when in thumbnail view, select a photo and then click  to flag a photo that you like and may want to use later.
- when in thumbnail view, select a photo and then click  to reject a photo you do not like or want to use.
- click  and then select an option in the list to filter the photos in the panel by their flagged or rejected status.
- click  and then select an item in the list to filter the photos in the panel by their label.
- click  and then select an option in the list to filter the photos in the panel by whether they have been adjusted or not.
- click  and then select an option in the list to filter the photos in the panel by camera model or lens.
- click  and then how you want to sort the photos in the panel by. You can also select whether they are sorted in ascending or descending order.
- click  to stack* the photos in the browser panel. See [Stacking Photos](#) for more information.
- if you are in the Library module, click  to have CyberLink PhotoDirector tag* all the faces in the photos selected in the browser panel. See [Tagging Faces in Photos](#) for more information.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

- right click on a photo and select **Create Virtual Photo** to create another copy you can use for editing. See [Virtual Photos](#) for more information.


- click and drag the top edge of the photo browser panel to resize it and the size of the photo thumbnails (when in thumbnail view).
- type text in the **Search Photos** field when looking for specific photos in the browser panel. See [Searching for Photos](#) for more information.
- click **Export** to export, with the adjustments applied to them, the selected photos. See [Exporting and Sharing Photos](#) for more information.
- click **Share** to upload the selected photos to Flickr. See [Sharing Photos](#) for more information.
- double-click in the photo viewer window area (outside the photo) to hide the photo browser panel from view and get a larger view of the current photo (viewer only mode). Double-click on it again to redisplay the browser panel (viewer & browser mode).


Entering 360° Photo Editor

In the photo browser panel you can right click on a 360° photo and then select **View/Edit 360° Photo** to enter the 360° Photo Editor. In the 360° Photo Editor you can fix and align your photos, and also create new creative 360° photos. See [360° Photo Editor](#) for detailed information on the available features.



360 Controls

When viewing a 360° photo, you can click and drag on the preview window to pan around the 360° environment or use the  controls to pan left, right, up, or down.

Note that you can click the  in the middle of the controls at any time to reset to the default viewing position.



*Note: you can also use your mouse's scroll wheel to zoom in and out within the 360° view. To exit the 360° photo editor, click the **Done** button or the **X** in the top right corner of the window.*

Stacking Photos

Use the stack* photo feature for easy grouping of photos in the photo browser panel. You can manually stack the photos, or have CyberLink PhotoDirector assist you using the Auto Stack feature.




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

Auto Stacking of Photos

The Auto Stack feature stacks photos based on the date and time the photos were taken.

To automatically stack photos in the photo browser panel, do this:

1. Select all of the photos in the photo browser panel that you want to stack.
2. Click  and then select **Auto Stack**.
3. In the dialog that displays, use the slider to set the amount of time (up to one hour) between the photos in the stacks. Dragging the slider left creates more stacks, while dragging it right creates fewer.




Note: the number of stacks that will be created is displayed at the bottom of the dialog.

4. Click **OK**. CyberLink PhotoDirector stacks the photos based on your settings.

Manual Stacking of Photos

The Manual Stack feature lets you select which photos you want in each stack.

To manually stack some photos in the photo browser panel, do this:

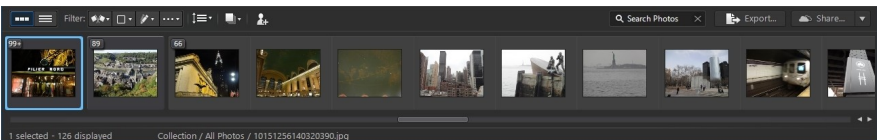
1. Select all of the photos in the photo browser panel that you want to put in a single stack.
2. Click  and then select **Manual Stack**.
3. CyberLink PhotoDirector puts the photos you selected in a stack.



Note: you can repeat these steps as many times as required to stack the photos in the photo browser panel.

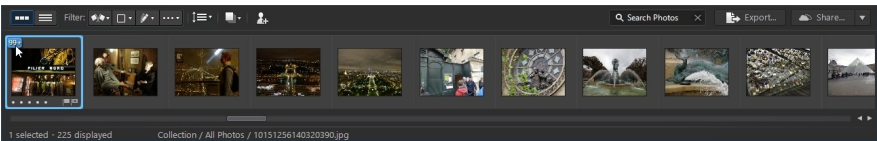
Viewing the Photos in Stacks


Once the photos in the photo browser panel are in stacks, you can more easily view your photos, especially if browsing through a large number of them. Stacks are indicated by a number in the top left corner of a photo thumbnail. The number is placed on the first photo in each stack.




Note: you can change which photo is on top of the stack by dragging it to the first photo position in the stack.

To view the photos in a stack, just click on the number to expand it.




Click  and then select **Expand All Stacks** if you want to open all of the stacks and view all of the photos in the photo browser panel. Select **Collapse All Stacks** to only show photo stacks in the panel.

Drag an existing stack on top of another stack if you want to combine them into one stack. To remove all of the photos from a stack, just select the stack, click , and then select **Unstack**.

Splitting Stacks

If you want to split the photos in a stack into two different stacks, do this:

1. Select the photo stack you want to split.
2. If required, click on the stack number in the top left corner to expand the stack so you can view all the photos in it.
3. Click on the photo in the stack that you want in the new stack, i.e. the place where you want the new stack to begin.
4. Click  and then select **Split Stack**.
5. The photo you selected, and all of the photos after it, will be put in a new stack.

Searching for Photos

If you are looking for specific photos in the browser panel, use the search function to find them using keyword tags.

To search for photos in the browser panel, do this:

1. Enter in a keyword in the search field located on top of the browser panel.



2. CyberLink PhotoDirector filters the photos based on the keywords entered.

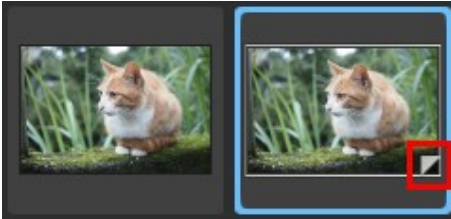


Note: click on  to clear the search results and display all the photos in the browser panel.

Virtual Photos

Virtual photos are copies of the original photos that were imported into CyberLink PhotoDirector. They can be created manually when making adjustments by right clicking on a photo in the browser panel and then selecting **Create Virtual Photo**. They are also created automatically when you save your edits in the Edit module.

Virtual photos are indicated in the photo browser panel as shown below.



Virtual photos are not physical photos on your hard drive. You must [export the photo](#) if you want a saved photo file that you can view or share outside of the PhotoDirector program.

Photo Viewer Window




The photo viewer window displays a preview of a photo selected in the photo browser panel. Any adjustments you make to photos are viewable in the photo viewer window as well.



A - Select View Mode, B - View at Full Screen, C - Secondary Monitor Display Mode, D - Zoom Tool, E - Pan Tool, F - Select Viewer Display Mode, G - View History, H - Show Original Photo, I - Photo Viewer Toolbar, J - Customize Toolbar, K - Viewer Zoom



Selecting View Mode

In the top left of the photo viewer window, select one of the following view modes when browsing through and viewing photos in CyberLink PhotoDirector:

-  **Viewer & Browser Mode** - select to display the photo viewer window and the photo browser panel for easy browsing and viewing of photos.
-  **Viewer Only Mode** - select to display a larger view of the photos.
-  **Browser Only Mode** - select to display a large photo browser panel. This view is ideal when sorting through photos when in list view.



Note: you can double-click in the photo viewer canvas area to hide the photo browser panel from view and get a larger view of the current photo (viewer only mode). Double-click on it again to redisplay the browser panel (viewer & browser mode).

When previewing photos in the project library or when making adjustments, select  to view the current photo at full screen. Once in full screen mode, you can click  to display the library/adjustment/edit panel if required.

Selecting Viewer Display Mode

The photo viewer window has several display modes, including compare, mirror, and also the ability to view photos on more than one display device.








*Note: if you have more than one display device connected to your computer, the primary device is listed as **Main Monitor**, while the secondary device is listed as **Secondary Monitor**. Click the  button to view the secondary monitor display mode options.*






Click the buttons in the bottom left corner of the photo viewer window to set the display mode.



Note: the buttons/modes that are available is dependent on which CyberLink PhotoDirector window you are currently within.




Main Monitor

-  **Show one** - shows one preview window for the selected photo in the library and Adjustment modules.
-  **Compare two** - when browsing through photos in your project library, use this display mode to compare two different photos in the library. The photo on the left (Current) is the photo you are comparing to other (Candidate) photos. Click the Set as Current button to set the Candidate photo as the Current photo, or the one you are using to compare. If zoomed in on a photo in this mode, the following buttons are available:
 -  **Link focus** - select to link the movement of two photos you are comparing when zoomed in.
 -  **Sync** - select to quickly sync the zoomed in focus area of both photos you are comparing.
-  **Show multiple** - when browsing through photos in your project library, use this display mode to show multiple photos at once. To select multiple photos, hold down the Ctrl key on your keyboard and select as many photos as you want. In this view you can rate, flag, and reject each of the photos. Hover your mouse over a photo and then click the X in the top right corner to remove it from the view, if required.


-  **Compare before/after** - when in the Adjustment module, click this button to display before and after panels, or a comparison between the original photo (Before) and the photo with the adjustments applied (After). There are four available comparison modes you can choose from:
 -  **Side by side** - select to compare adjustments to photos side by side.
 -  **Split - left/right** - select to split the photo, with the left half containing the original photo, and the right half of the photo with the adjustments applied.
 -  **Top/bottom** - select to compare adjustments to photos top to bottom.
 -  **Split - top/bottom** - select to split the photo, with the top half containing the original photo, and the bottom half of the photo with the adjustments applied.

Secondary Monitor

If you have more than one monitor connected to your computer and have extended your desktop, click the  button and select the display mode for the secondary monitor.

-  **Mirror**: duplicates the viewer display on the secondary monitor.
-  **Alternate**: provides a secondary view of the photos you are viewing. For example, if you are viewing a photo in normal mode, the photo displays at full screen on the secondary monitor. If you are in compare two mode, select one of the two photos to have it display at full screen on the secondary monitor.
-  **None**: select if you don't want anything displayed on your secondary monitor.

History

When in the Adjustment or Edit module, click  to view a history of all the adjustments and edits you have made to the current photo you are viewing. See [Viewing History](#) for more information.

You can also click and hold the  button to quickly view the original photo during the adjustment/edit process.






Note: when in the Library module, these two buttons are hidden and replaced by  and . Use these buttons to manually tag people in selected photos. See [Manually Tagging Faces](#) for more information.



Photo Viewer Toolbar

When in the Library, Adjustment, or Edit module, the photo viewer toolbar provides quick access to several useful tools you can use to manage the photos as you work.

Click on  to customize the tools displayed on the photo viewer toolbar. The available tools are as follows:

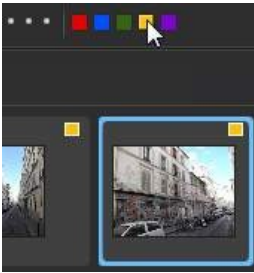






Note: in the photo viewer toolbar you can also hide specific PhotoDirector modules if required. See [Hiding PhotoDirector Modules](#) for more information.

- **Face Tag Tools:** use the face tag tools to manually tag faces in selected photos. See [Manually Tagging Faces](#) for more information.
- **Flag:** when viewing a photo, click  to flag a photo that you like and may want to use later. when viewing a photo, click  to reject a photo you do not like or want to use.
- **Rate:** when viewing a photo, rate it by selecting the desired star rating on the tool bar, or directly below the bottom left corner of the photo.



- **Color Labels:** when viewing a photo, click a color to label it. You can use color labels to group photos together by selecting the same color label for similar types of photos.



- **Rotate:** when viewing a photo, click  to rotate it 90 degrees in the counterclockwise direction, or  to rotate it 90 degrees in the clockwise direction.
- **Previous/Next:** when viewing a photo, click  to select the previous photo in the browser panel, or  to select the next one.

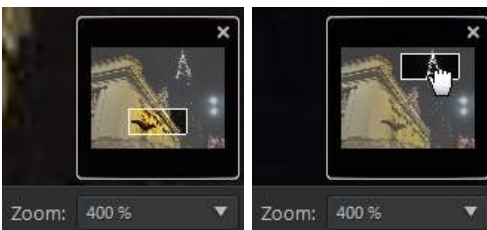
Viewer Zoom

When previewing photos in the photo viewer window, use the **Zoom** drop-down to set the zoom amount in the photo preview. You can also enter a **Custom** zoom amount in the field provided. Select **Fit** to resize the selected photo so that it fits in the viewer window.



Note: you can hold down the Ctrl key on your keyboard and then use your mouse's scroll wheel to quickly zoom in and out.


When you zoom in or out on a photo, a navigation thumbnail for the viewer displays above the drop-down. Click and drag the available box to change the focus area to suit your zooming requirements.






Note: the **Navigation** option must be selected in the **Zoom** drop-down for the navigation thumbnail to display.

You can also use the following zoom and pan tools for easier viewing of your photos in the photo viewer window:

-  - when selected, clicking the left mouse button in the photo viewer window zooms in on the current photo. Click the right mouse button to zoom out.



Note: when selected, hold down the left mouse button and then draw a square on the photo to quickly zoom in on a specific area.

-  - click to enable panning when zoomed in on a photo. To pan, just click on the photo and drag it to view different areas.

Chapter 4:

PhotoDirector Projects

When you import photos into CyberLink PhotoDirector, the program automatically creates and saves your work in a project in the .phd file format. Use the options in the **File** menu to create new a project or open an existing project.



Note: a CyberLink PhotoDirector project (.phd) file essentially contains a list of the photos in the library, and a log of all the edits and adjustments you want to make to these photos. Project files do not include the photos in them. If you want to back up your project and the photos, use the export project function. See [Exporting Projects](#) for more information.

If you have a CyberLink Cloud* subscription you can also upload saved projects to CyberLink Cloud. See [CyberLink Cloud Projects](#) for more information.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Exporting Projects

You can export your CyberLink PhotoDirector project as a new project. All of the photos, their copyright info, tags, and more will be included in the exported project. You can also export it by packing all the project materials in a folder and then uploading it to CyberLink Cloud*. Exported projects can then be imported into another computer running CyberLink PhotoDirector.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To export your project, select **File > Export Project**. If you have a CyberLink Cloud subscription you can select **File > Pack Project Materials and Upload to CyberLink Cloud** to back it up in a folder on CyberLink Cloud.

CyberLink Cloud Projects

If you have a CyberLink Cloud subscription you can select **File > Upload Project to CyberLink Cloud** to store project files on CyberLink Cloud*.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To open a project that was saved on CyberLink Cloud, including projects that were packed in a folder with their photos (materials), select **Download Project from CyberLink Cloud** from the **File** menu. In the window that displays, select a project and then click **Download**.



Note: when you open a packed project stored on CyberLink Cloud, the project file and all the project media is downloaded to your local computer and stored in the download folder specified in [CyberLink Cloud Preferences](#).

Chapter 5:



Adjustments

This chapter outlines all of the adjustments you can make to your photos in CyberLink PhotoDirector. It also provides a description of adjustment presets, and how you can use them to quickly edit your photos. Click on the **Adjustment** button and then on the **Manual** tab to begin making adjustments to your photos.



Note: any adjustments you make are not auto-applied or saved to the original photo file. CyberLink PhotoDirector keeps a log of all the adjustments you want to make, and then applies them to each photo when it is exported, printed, shared, etc. This leaves the original photo untouched.

At any time during the adjustment process, you can:

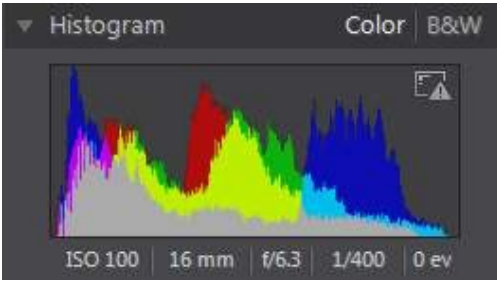
- click  to quickly peek at the original photo.
- click  to view a log of the adjustments applied on a photo in History. See [Viewing History](#) for more information.
- click **Reset** at the bottom of the adjustment panel to revert all the changes back to the original photo.

Histogram

The histogram is a graphical representation of the color tone distribution in a selected photo. Below the histogram is some metadata information for the photo.

To find the histogram, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. The **Histogram** is at the top of the Manual tab.



The X axis of the graph represents the RGB color tone value between 0 and 255, while the Y axis indicates the number of pixels in the photo that have this value.

The histogram is created with the three RGB (red, green, and blue) color values given to each pixel in a photo. The gray portions indicate where all three colors overlap on the histogram, while yellow, magenta, and cyan appear when two of the colors overlap.



Note: hover the mouse pointer over any pixel on the selected photo to view its RGB tone value in the histogram.

Converting Photos to Black and White

You can instantly convert a selected photo to black and white, i.e. replace the colors with grayscale, using the histogram.

To convert, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. The **Histogram** is at the top of the Manual tab.
3. Select **B&W**. To convert back, select **Color** on the top of the histogram.




Note: after you convert a photo to black and white, the Black and White section of the adjustment panel is enabled. See [Black and White Mix](#) for details on adjusting the lightness in black and white photos.


Viewing Exposed Areas

The [histogram](#) can be used to determine if the photo was shot correctly. A photo with a histogram that arcs towards the left, indicates the photo was underexposed

(contains a lot of dark pixels), while one that arcs towards the right means there was an overexposure (lots of lighter pixels).

Click  to view the areas of a photo that were so over and underexposed that all detail was lost, or clipped, in that area.



The areas that are overexposed are indicated in red. The areas of the photo that are underexposed, in blue. Click  to hide these areas.

Regional Adjustment Tools

Use the regional adjustment tools if you want to modify only a specific area of a photo. You can also use these tools to crop, straighten, remove spots and red-eye, and more.

The following sections outline the features and functions available in the regional adjustment tools of CyberLink PhotoDirector.

- [Cropping and Rotating Photos](#)
- [Removing Spots](#)

- [Removing Red-Eye](#)
- [Using the Adjustment Brush](#)
- [Using Adjustment Selection](#)
- [Using a Gradient Mask](#)

To begin using a regional adjustment tool, just select it from the available icons.



Cropping and Straightening Photos

You can crop out portions of a photo you do not want, and rotate them up to 45 degrees for an effect or to straighten them if they are a little crooked or uneven.



To assist you when cropping and rotating photos, select a **Tool overlay** from the drop-down in the bottom right of the photo viewer window. Use the overlay that will best guide and assist you to more precisely crop and straighten a photo.

Cropping Photos

To crop a photo, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to display the available crop and rotate options.
3. To crop, do one of the following:
 - click  to manually crop out a section. Click and drag on the photo to manually set the crop area.
 - select a crop area shape from the **Area** drop-down. To create a custom shape, select **Enter Custom**, enter the **Aspect ratio** values in the field provided, and then click **OK**.



Note: click  if you want to manually resize the crop area. Click  if you want the crop area to maintain its aspect ratio.

4. Click and drag the corners and sides of the crop area to resize, if necessary.
5. Click inside the shape and drag to move the crop area, if necessary.



- Click **Done** to crop the photo.

Straightening Photos

To straighten a photo, do this:



Note: when you straighten a photo, some portions are cropped to make it square. You can rotate photos 90 degrees by right clicking on it and selecting **Rotate Right/Left**.

- Click on **Adjustment** and then on the **Manual** tab (if necessary).
- In the **Regional Adjustment Tools** section, click  to display the available crop and straighten options.
- To straighten, do one of the following:
 - click  and then click and drag on the photo to draw a line along the part you want to be horizontal or vertical. For best results, draw on a straight line in the photo that you know should be level, as shown in the example below.





- click and drag the Angle slider until the photo appears to be level.
- hover the mouse outside the crop area until the mouse pointer becomes curved. Then click and drag on the photo to manually straighten it.



4. Click inside the crop area and drag to move it, if necessary. You can also resize the crop area as well.
5. Click **Done**. CyberLink PhotoDirector crops out the excess portions of the photo to make it square.




Removing Spots

The spot removal* tool lets you fix any imperfections or blemishes in a photo.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To remove spots, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the spot removal tools.
3. Set the spot removal options as follows:
 - **Clone/Heal:** select and use **Clone** if you want to copy an area of the photo and use it to cover up the spot. Select and use **Heal** to touch up the spot using the photo information (texture, lighting, and shading) that surrounds it.
 - **Size:** use the slider to set the size of area that the tool covers up.

- **Feather:** use the slider to set the transition level between the area being covered up and the pixels around the area.
 - **Opacity:** use the slider to set the transparency of the applied cover up.
4. Click on the part of the photo you want to touch up and then drag the spot removal tool to the part of the photo you want the spot to resemble.



5. Click **Done** to finish the adjustments and close the panel.

Using Intelligent Spot Removal

If you find that a large number of photos have a spot on them in the exact same place, you can use the intelligent spot removal feature to remove all of the spots at once. This works best if the spot was caused by something on the lens.


To use intelligent spot removal on a number of photos, do this:

1. On the first photo, perform the spot removal as noted above.
2. Click the **Copy** button.
3. In the Adjustment Copy window, ensure that **Spot removal** is selected and then select:
 - **Manual** if all the spots in the photos are in the same position and were taken with a similar background.
 - **Auto** if you want CyberLink PhotoDirector to auto find the correct pixels required to fix each photo. Select this item if the backgrounds in the photos are different from the original photo.
4. Click **Copy** to close the Adjustment Copy window.
5. Select all of the photos in the photo browser panel that have the similar spots that need removing.
6. Click on **Paste**. CyberLink PhotoDirector will duplicate the spot removal in all the selected photos.

Removing Red-Eye

You can remove red-eye from photos using the tool in regional adjustments.

To remove red-eye, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the remove red-eye tools.
3. On the photo, click in the center of the affected eye, and drag the mouse to resize a color spot that is placed over the red-eye.



4. CyberLink PhotoDirector should auto detect the red-eye, and then fix it for you. If it is unable to detect it properly, click and drag the applied spot to center it over the red area, and then use the available sliders to manually fix it as follows:
 - **Pupil size:** use the slider to resize the spot on the red area of the pupil.
 - **Darken:** use the slider to darken the spot to the desired color.
5. Click **Done** to finish the adjustments and close the panel.

Using the Adjustment Brush

You can use the adjustment brush* to select, or brush, just the parts of a photo that you want to adjust.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To use the adjustment brush, do this:



Note: you can adjust multiple areas of the photo using masks. See [Using Masks for Multiple Brush Adjustments](#) for more information.

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the adjustment brush controls.
3. Click and drag on the photo to apply a brush stroke. CyberLink PhotoDirector displays a mask color on the area you apply.



Note: the mask disappears as soon as you start adjusting the brush options. See [Using Masks for Multiple Brush Adjustments](#) for more information.

4. Set the adjustment brush options as follows:
 - **Brush/Eraser:** select the **Brush** to apply the set adjustments. Use the **Eraser** if you make some errors using the brush and want to remove areas of the applied adjustments.
 - **Size:** use the slider to set the size of the brushed or erased area. You can also use the mouse scroll wheel to adjust the diameter of the brush.
 - **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Strength:** use the slider to set the amount of adjustment applied with a brush stroke.
 - **Fit to edges:** select this option to limit applied adjustments to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
5. Set the type of **White Balance** adjustments you want to make using the available sliders. See [White Balance](#) for details on the available adjustment options.
6. Set the type of **Tone** adjustments you want to make using the available sliders. See [Tone](#) for details on the available adjustment options.
7. Set the type of **HSL/Color** adjustments you want to make using the available sliders. See [HSL/Color](#) for details on the available adjustment options.
8. Set the type of **Detail** adjustments you want to make using the available sliders. See [Detail](#) for details on the available adjustment options.

9. Click and drag on the other areas of the photo where the adjustments should be applied. Use the sliders to further refine the adjustments as required.
10. Click **Done** to finish the adjustments and close the panel.

Using Masks for Multiple Brush Adjustments

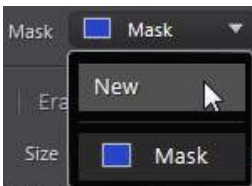
You can make up to five different brush adjustments on a photo. When you modify the adjustment options and use the brush to apply them to a photo, a mask is auto created and labeled by color.

The mask label is visible in the **Mask** drop-down at the top of the brush panel.



To create a new adjustment mask, do this:

1. Select **New** from the **Mask** drop-down to create a new mask.



2. Apply a brush stroke and then use the sliders to set the adjustments as required for the second adjustment.
3. CyberLink PhotoDirector labels the mask with another color in the **Mask** drop-down.



4. CyberLink PhotoDirector marks each mask on the photo with the color label.



Note: to remove a mask from a photo, just click its color label node and then press the Delete key on your keyboard.

5. Click the color label to toggle the masks on and off, and view the areas of the photo where each of the adjustments was applied.





Using Adjustment Selection

Adjustment selection* lets you select only the pixels in a photo you want to adjust. This allows you to select and adjust objects in the photo, and areas that are similarly colored, only.




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To use adjustment selection, do this:



Note: you can adjust multiple areas of the photo using masks. See [Using Masks for Multiple Adjustment Selections](#) for more information.

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the adjustment selection controls.
3. Set the adjustment selection options as follows:
 - **Brush/Eraser:** select the **Brush** to select areas (pixels) to adjust. Use the **Eraser** to deselect areas (pixels).


- **Size:** use the slider to set the size of the selection tool. You can also use the mouse scroll wheel to adjust the diameter of the selection tool.
 - **Intelligent:** enable this option if you want CyberLink PhotoDirector to assist you when using the brush to select pixels. Once enabled, all pixels with similar properties are selected for you when you make a brush stroke.
 - **Feather:** use the slider to set the transition level between the area being selected and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
4. If **Brush** is selected, click on an area of the photo and CyberLink PhotoDirector will auto select a range of similar pixels. If there are some pixels selected that you don't want to adjust, use the **Eraser** to deselect them.



Note: CyberLink PhotoDirector displays a mask color on the area you select. See [Using Masks for Multiple Adjustment Selections](#) for more information.

5. Once you have the area of the photo selected, you can use the **Shift** slider to reduce or enlarge the selection area. Drag the slider left to shrink to selection area, or right to enlarge it.
6. Set the type of **White Balance** adjustments you want to make using the available sliders. See [White Balance](#) for details on the available adjustment options.
7. Set the type of **Tone** adjustments you want to make using the available sliders. See [Tone](#) for details on the available adjustment options.
8. Set the type of **HSL/Color** adjustments you want to make using the available sliders. See [HSL/Color](#) for details on the available adjustment options.
9. Set the type of **Detail** adjustments you want to make using the available sliders. See [Detail](#) for details on the available adjustment options.



Note: if required, click the  button in the brush tools to invert the selected pixels. When selected, CyberLink PhotoDirector will apply the adjustments to areas that were not selected.

10. Click **Done** to finish the adjustments and close the panel.

Using Masks for Multiple Adjustment Selections

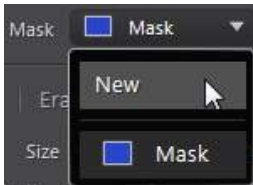
You can make up to five different selected adjustments on a photo. When you select areas of the photo and modify the adjustment options, a mask is auto created and labeled by color.

The mask label is visible in the **Mask** drop-down at the top of the brush panel.



To create a new adjustment mask, do this:

1. Select **New** from the **Mask** drop-down to create a new mask.



2. Select an area of the photo and then use the sliders to set the adjustments as required for the second adjustment.
3. CyberLink PhotoDirector labels the mask with another color in the **Mask** drop-down.



4. CyberLink PhotoDirector marks each mask on the photo with the color label.



Note: to remove a mask from a photo, just click its color label node and then press the Delete key on your keyboard.

5. Click the color label to quickly select the mask, and view the selected areas (pixels) of the photo where each of the adjustments was applied.


Using a Gradient Mask

Use the gradient mask* to apply adjustments gradually across a large area of a photo.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To use a gradient mask, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the gradient mask tools.

- Click and drag on the photo to set the gradient across a portion of the photo. CyberLink PhotoDirector displays a mask color on the area you apply.



Note: the mask disappears as soon as you start adjusting the gradient mask options. See [Using Multiple Gradient Masks](#) for more information.

- Set the type of **White Balance** adjustments you want to make using the available sliders. See [White Balance](#) for details on the available adjustment options.
- Set the type of **Tone** adjustments you want to make using the available sliders. See [Tone](#) for details on the available adjustment options.
- Set the type of **HSL/Color** adjustments you want to make using the available sliders. See [HSL/Color](#) for details on the available adjustment options.
- Set the type of **Detail** adjustments you want to make using the available sliders. See [Detail](#) for details on the available adjustment options.
- Click **Done** to finish the adjustments and close the panel.

Using Multiple Gradient Masks

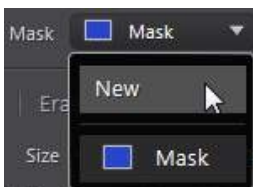
You can use up to five gradient masks on a photo in CyberLink PhotoDirector. When you modify the adjustment options and use the gradient mask on the photo, CyberLink PhotoDirector auto creates a mask labeled by color.

The mask label is visible in the **Mask** drop-down at the top of the gradient mask panel.



To create a new gradient mask, do this:

- Select **New** from the **Mask** drop-down to create a new mask.



2. Click and drag on the photo to set the gradient across a different portion of the photo.
3. Use the sliders to set the adjustments as required for the second gradient mask.
4. CyberLink PhotoDirector labels the mask with another color in the **Mask** drop-down.

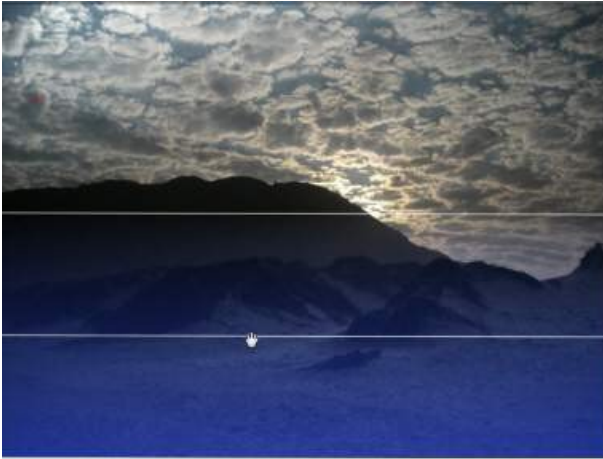


5. CyberLink PhotoDirector marks each gradient mask on the photo with the color label.



Note: to remove a mask from a photo, just click its color label node and then press the Delete key on your keyboard.

6. Click the color label to toggle the masks on and off, and view the areas of the photo where the gradient was applied.




Using a Radial Filter

The radial filter* tool lets you apply regional adjustments in an elliptical shaped masked area. You can use the radial filter to highlight a specific area of a photo, or to manually create a vignette effect.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To use the radial filter, do this:


1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the **Regional Adjustment Tools** section, click  to open the radial filter tools.
3. Click and drag on the photo to create an ellipse around the area you want to highlight. Once the ellipse is drawn, you can resize it by clicking and dragging any of the four white nodes to create the exact shape you need. Click the green control node outside the ellipse and drag it left or right to rotate it. You can also click anywhere inside the ellipse to move it to another location on the photo.



Note: CyberLink PhotoDirector displays a mask color on the area in the ellipse. The mask disappears as soon as you start adjusting the radial filter mask options. See [Using Multiple Radial Filter Masks](#) for more information.

4. Set the type of **White Balance** adjustments you want to make using the available sliders. See [White Balance](#) for details on the available adjustment options.



Note: when you start making adjustments on the photo, CyberLink PhotoDirector applies the adjustments outside the created ellipse. Select the  button if you want the adjustments applied inside the ellipse.

5. Set the type of **Tone** adjustments you want to make using the available sliders. See [Tone](#) for details on the available adjustment options.



Note: you can use the **Gradient** slider to set the size of the gradient on the edges of the radial filter ellipse.

6. Set the type of **HSL/Color** adjustments you want to make using the available sliders. See [HSL/Color](#) for details on the available adjustment options.
7. Set the type of **Detail** adjustments you want to make using the available sliders. See [Detail](#) for details on the available adjustment options.
8. Click **Done** to finish the adjustments and close the panel.

Using Multiple Radial Filter Masks

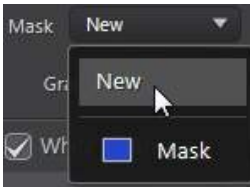
You can use up to five radial filter masks on a photo in CyberLink PhotoDirector, allowing to highlight multiple areas of the photo. When you create a radial filter ellipse on a photo, CyberLink PhotoDirector auto creates a new mask labeled by color.

The mask label is visible in the **Mask** drop-down at the top of the radial filter panel.



To create a new radial filter mask, do this:

1. Select **New** from the **Mask** drop-down to create a new mask.



2. Click and drag on the photo to add an ellipse on a different area of the photo.
3. Use the sliders to set the adjustments as required for the second radial filter mask.
4. CyberLink PhotoDirector labels the mask with another color in the **Mask** drop-down.



5. CyberLink PhotoDirector marks each radial filter mask on the photo with the color label.



Note: to remove a mask from a photo, just click its color label node and then press the Delete key on your keyboard.

6. Click the color label to toggle the masks on and off, and view the areas of the photo where the radial filter was applied.





Regional Adjustment Options

When making regional adjustments with the [adjustment brush](#), [adjustment selection](#), a [gradient mask](#), or the [radial filter](#), the following options are available to you.

White Balance

- **Temp:** use to adjust the color temperature in the selected region of the photo. A negative value applies a colder temperature, while a positive value applies an atmosphere that is warmer.
- **Tint:** use to adjust the color level in the selected region of the photo.

Tone

- **Exposure:** use to adjust areas of the photo that are over or underexposed. A negative value darkens overexposed areas, while a positive value lightens underexposed areas.
- **Brightness:** use to adjust the brightness in parts of the photo.

- **Contrast:** use to adjust contrast, or the difference between light and dark areas of the photo.
- **Clarity:** use to adjust the clarity of details in the photo.
- **Vibrance:** use to make the colors in areas of a photo brighter and more vivid, by enhancing the duller colors.
- **Saturation:** use to adjust the intensity of a color in certain areas of the photo.

HSL/Color

See [HSL/Color](#) for a detailed explanation of the HSL/Color options available on the selected areas of your photo.

Detail

Sharpness

- **Amount:** use the slider to adjust the amount of sharpness applied to the photo.

Noise Reduction

Applying sharpness to areas of photos may result in some image noise. Use the following sliders to reduce the noise as required:

- **Luminance:** use this slider to slightly adjust the color brightness, by reducing any unwanted light grey spots in a photo that cause luminance noise.
- **Detail:** use this slider to adjust/recover detail in the photo that may be lost when reducing luminance noise from a photo.
- **Texture:** use this slider to adjust/recover texture in the photo that may be lost when reducing luminance noise from a photo.
- **Color:** use this slider to slightly adjust the overall color saturation, by reducing any unwanted color spots in a photo that cause color noise.
- **Detail:** use this slider to adjust/recover detail in the photo that may be lost when reducing color noise from a photo.

Lens Correction

Defringe

Use defringe* to remove color fringing on edges and high contrast areas in your photos.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

- **Amount:** drag the slider right to increase the amount of defringe applied.

Global Adjustment Tools

Use the global adjustment tools to modify the entire photo. The following sections outline the features and functions available in the global adjustment tools of CyberLink PhotoDirector.

- [White Balance](#)
- [Tone](#)
- [HDR Effect](#)
- [Level](#)
- [Curve](#)
- [HSL/Color](#)
- [Black and White Mix](#)
- [Split Toning](#)
- [Detail](#)
- [Lens Correction](#)


White Balance

Use white balance for color correction or you can use it to adjust the color temperature of a photo to create a specific atmosphere. A warmer color shifts light toward the yellows and reds; a colder color shifts light toward the blues and greens.

To adjust the atmosphere of an entire photo using white balance, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **White Balance** section.
3. Drag the **Temp** slider to adjust the color temperature in the photo. A negative value applies a colder temperature, while a positive value applies an atmosphere that is warmer.
4. Drag the **Tint** slider to adjust the color level of in the photo.

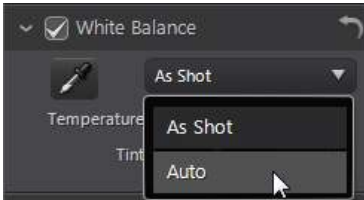
To use white balance to color correct a photo, do one of the following:

- click  and then use the eye dropper to select a pixel in the photo that you believe should be grey.



CyberLink PhotoDirector auto corrects the color in the photo.

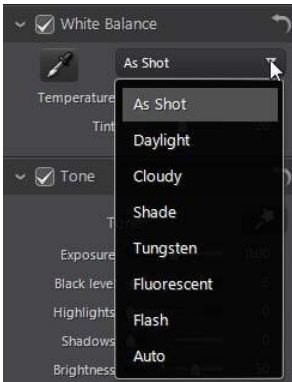
- select **Auto** in the drop-down to have CyberLink PhotoDirector auto adjust white balance and correct the color for you.



Note: to reset the white balance back to the original color values, select **As Shot** in the drop-down.

White Balance on RAW Photos

When adjusting the white balance on camera RAW photo formats, there are several white balance presets available.



Select a preset from the list to have CyberLink PhotoDirector auto adjust the white balance for you.

Tone

In this section of the adjustment panel, the sliders available adjust the tone of the entire photo, while the Tinge sliders let you modify the clarity, vibrancy, and saturation levels. Use the histogram to assist you in the adjustment of some of the options.


To adjust the tonal level of an entire photo, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Tone** section.

Adjusting the Color Tone

Use the available sliders as outlined below to adjust the color tone of the entire photo.

Tone

Click  to have CyberLink PhotoDirector automatically adjust the color tone in the selected photo. You can manually adjust color tone using the available sliders as follows:

- **Exposure:** use on photos that are over or underexposed. A negative value darkens all the colors in the photo, while a positive value lightens them.
- **Contrast:** use to adjust contrast, or the difference between light and dark areas of the photo.
- **Brightest:** use to brighten/darken the colors in the photo that are close to whites. Darkening the lighter colors can enhance their contrast and make highlights stand out more. Drag the slider left to darken, reducing the clipping in highlights. Drag it right to brighten and clip the colors that are close to white.
- **Bright:** is applied to areas of photos that are overexposed, which can recover detail in the highlights and brighter areas. Drag the slider left to recuperate lost detail in highlights by darkening them. Drag it right to brighten the photo without clipping the brighter areas.
- **Midtone:** use to adjust the overall brightness of the photo by changing the midtone colors only. Drag the slider left to darken, or right to brighten.
- **Dark:** can be used to help enhance detail in dark sections of the photo by brightening shadows and underexposed areas. Drag the slider left to darken the photo without clipping the shadows. Drag it right to recuperate lost detail in shadows by brightening them.
- **Darkest:** use to brighten/darken the colors in the photo that are close to blacks. Brightening the darker colors can enhance their contrast and make shadows stand out more. Drag the slider left to darken and clip the dark colors. Drag it right to brighten and reduce clipping in shadows.

Tinge

Manually adjust the photo tinge as follows:

- **Clarity:** use to adjust photo clarity. Dragging the slider to the right makes the photo appear crisper, while to the left makes it appear more "dreamy".

- **Vibrance:** use to make the colors in a photo brighter and more vivid, by enhancing the duller colors.
- **Saturation:** use to adjust the saturation of color in a photo. A negative value moves the colors towards black and white, while a positive value increases the overall intensity of color in the photo.

Dehaze

Apply dehaze* to photos by dragging the **Amount** slider right to brighten the colors to make photos appear less hazy. Drag the slider left if you want to give photos a haze effect.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

HDR Effect

In this section of the adjustment panel, use the sliders to apply an HDR effect* on your photos.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

The HDR (high dynamic range) effect adjusts the lighting range on the edges in photos, allowing you to recover any loss of detail caused by contrasting brightness during photo exposure. Users can also use this effect to give photos a more dramatic tone.



Note: if you shot multiple photos at different exposures and you want to use them to create a real HDR photo, you can do this in the Edit module. See [Bracket HDR](#) for more information.

To apply the HDR effect to an entire photo, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **HDR Effect** section.

Applying the HDR Effect

Use the available sliders as outlined below to apply the HDR effect.

Glow

Use the Glow sliders as follows to apply an HDR glow effect, or a "halo" edge, on contrast edges in your photos:

- **Strength:** use this slider to adjust the amount of the HDR glow effect applied to the photo.
- **Radius:** use the slider to adjust the radius of the HDR glow effect, or the amount of contrast applied to the edges in the photo.
- **Balance:** use the slider to adjust the balance (where it is applied) of the HDR glow effect. Moving the slider right applies it on the brighter parts (highlights) of edges. Moving it left applies it to the darker parts (shadows) of edges.

Edge

Use the Edge sliders as follows to apply the HDR effect on contrast edges in the photo:

- **Strength:** use this slider to adjust the amount of the HDR edge effect applied to the photo. Dragging it right will reveal more detail on the contrast edges. Dragging it left will blur them.
- **Radius:** use the slider to adjust the radius of the HDR edge effect, or the amount of contrast applied to the edges in the photo.
- **Balance:** use the slider to adjust the balance (where it is applied) of the HDR edge effect. Moving the slider right applies it on the brighter parts (highlights) of edges. Moving it left applies it to the darker parts (shadows) of edges.

Level

In the Level* section of the adjustment panel you can redefine the color in the photo by adjusting the color levels. You can adjust using the available presets or manually with the histogram.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To use Level to redefine the colors of an entire photo, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Level** section.

Redefining the Colors


To redefine the color using the available presets, select a preset from the **Level preset** drop-down list that best suits the selected photo.

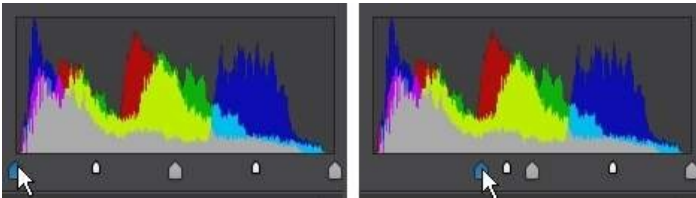
To manually redefine the color in photo, do this:

1. Select whether you want to adjust just the **R** (red), **G** (green), or **B** (blue) color channel levels. Select **RGB** to adjust all three levels at once.



Note: if the photo is in black and white, the only channel available is for luminance, or overall brightness of the photo.

2. Click  to display the midtone controls.
3. Click and drag the sliders to adjust the color levels in the photo.



Note: in the above example, the colors in the photo are changed by redefining how many pixels should have a value of 0.

Dragging the sliders on the left, right, make the colors in the photo darker. While dragging sliders left make the colors brighter.

Curve

In the Curve* section you can use the tone curve graph and controls to change the tonal scale, or overall contrast of a photo.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*


To use Curve to change the tonal scale, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Curve** section.



Adjusting the Curve

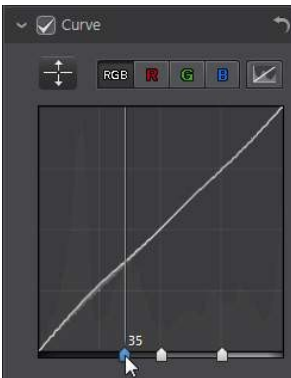
Select whether you want to adjust just the **R** (red), **G** (green), or **B** (blue) color channel's tonal scale. Select **RGB** to adjust the tonal scale of all three at once.

Click on the curve and drag it up or down, or use the  tool to target the adjustments on a specific tonal region in the photo. Dragging the curve/tool down makes the photo darker. Dragging it up makes it lighter.



Note: click the  button at any time to reset the curve back to its default setting.

Select the **Tonal region** checkbox if you want to limit the range of tones that are affected when you make changes to the curve. Once selected, you can drag the region control sliders at the bottom of the tone curve graph to fine tune the shape of the curve and the overall tonal scale of the photo.



You can also use the **Tonal region** sliders to make adjustments to the curve as follows:

- **Highlights:** affects the top end of the curve, and is applied to areas of photos that are overexposed to recover detail in the highlights and brighter areas.
- **Lights:** affects mainly the upper middle of the curve, and is used to adjust the color tone of the lighter pixels in the photo.
- **Darks:** affects mainly the bottom middle of the curve, and is used to adjust the color tone of the darker pixels in the photo.
- **Shadows:** affects the bottom end of the curve, and enhances detail in dark sections of the photo by lightening shadows and underexposed areas.

If you want free range on the curve, just deselect the **Tonal region** checkbox. Once deselected you can shape the curve any way you want to achieve the tonal adjustment you require.

HSL/Color

In the HSL/Color section you can fine tune the color in a photo by adjusting its hue, saturation, and lightness. CyberLink PhotoDirector lets you adjust the color in two different ways, but with the similar results.

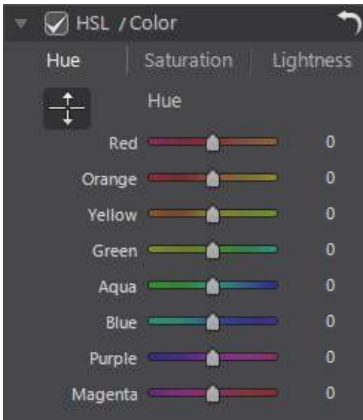


***Note:** if you converted the selected photo to black and white, the HSL/color section displays as **Black and White**. See [Black and White Mix](#) for details on adjusting the lightness in black and white photos.*

HSL

To fine tune your photo's colors with HSL, do this:



1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **HSL/Color** section.
3. When you enter the HSL/Color section of the adjustment panel, the HSL controls display.



These sliders let you adjust the entire hue, saturation, or lightness of a photo at the same time.



Hue

Click on **Hue** to fine tune the shade or purity of a specific color in the photo. Use the sliders to adjust the eight color band ranges as required.

You can also use the  tool to target the adjustments on a specific color in the photo. To do this, click  to enable the tool, and then click and (while holding the mouse button down) drag on the color. Drag the mouse up to increase its hue, or down to decrease it in the targeted color.



Saturation

Click on **Saturation** to adjust the saturation of color in the photo. Dragging the sliders to right increases the amount of that color in the photo, while dragging it to the left reduces it. If you drag the slider all the way to the left, you can completely remove a color from the photo.

You can also use the  tool to target the adjustments on a specific color in the photo. To do this, click  to enable the tool, and then click and (while holding the mouse button down) drag on the color. Drag the mouse up to increase the color's saturation, or drag it down to decrease it in the targeted color.

Lightness

Click on **Lightness** to adjust color brightness. For each of the eight colors listed, you can adjust how light or dark the specific color is.

You can also use the  tool to target the adjustments on a specific color in the photo. To do this, click  to enable the tool, and then click and (while holding the mouse button down) drag on the color. Drag the mouse up to increase the color's brightness, or drag it down to decrease, making the color darker.

Color

To adjust the hue, saturation, and lightness of one specific color using the color palette, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **HSL/Curve** section.
3. Click on **Color** to display the color palette and available sliders.



To use, select a color on the palette and then use the sliders to adjust the hue, saturation, and lightness as required. See the HSL descriptions above for information on the effects of using these sliders. Click on **HSL** to return to the HSL sliders.



Black and White Mix

When you convert photos to black and white in the [histogram](#), this section becomes enabled, replacing the HSL/Color section. In it you can adjust the grayscale levels, or the overall image lightness of the converted photos.



To change the grayscale levels in a photo, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In the histogram, [convert the photo to black and white](#).
3. In **Global Adjustment Tools**, go to the **Black and White** section.
4. Use the **Lightness** sliders to adjust the brightness of the original colors, which are now black and white.

You can also use the  tool to target the adjustments on a specific color (shade of gray) in the photo. To do this, click  to enable the tool, and then click and (while holding the mouse button down) drag on the color. Drag the mouse up to increase the brightness of the color, or drag it down to decrease.

Split Toning

In the Split Toning* section of the Adjustment panel you can produce creative effects on your photos, such as the Lomo photography effect. You can also add color to monochrome photos, or photos you converted to black and white.




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To use Split Toning to produce creative effects, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Split Toning** section.
3. Use the Split Toning controls on a selected photo as outlined below.

Highlights

Use the sliders to adjust the hue and saturation of the highlights, or the brightest areas of a selected photo.

- **Hue:** use this slider to set the hue or color of the highlights in the photo. You can also click  and then use the eye dropper to select the precise color (both hue and saturation) you want used in the photo's highlights.
- **Saturation:** use this slider to set the saturation of the color used, or its amount/strength. Dragging the slider right makes the color more saturated, while dragging it left makes it less saturated.


Balance

- use the **Balance** slider to set the balance between the split toning effect applied on the highlights and shadows in the photo. Drag the slider left to increase the influence of the **Shadows** sliders on the photo, drag it right to

increase the influence of the **Highlights** sliders. Set the **Balance** slider's value to 0 if you want both the effects on the highlights and shadows equally applied.

Shadows

Use the sliders to adjust the hue and saturation of the shadows, or the darkest areas of a selected photo.

- **Hue:** use this slider to set the hue or color of the shadows in the photo. You can also click  and then use the eye dropper to select the precise color (both hue and saturation) you want used in the photo's shadows.
- **Saturation:** use this slider to set the saturation of the color used, or its amount/strength. Dragging the slider right makes the color more saturated, while dragging it left makes it less saturated.

Detail

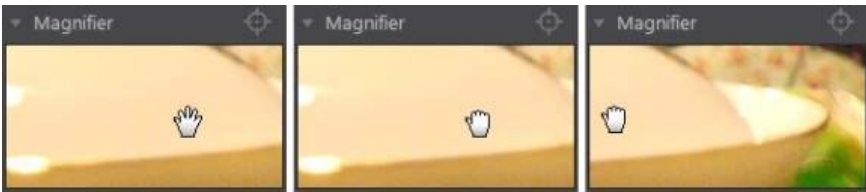
You can adjust the sharpness in a photo in the Detail section. The sharpness is applied to edges in a photo to enhance photo detail, where possible.


To adjust the photo sharpness, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Detail** section.
3. Use the Detail controls on a selected photo as outlined below.

Magnifier

You can use the Magnifier to get a better view of the applied sharpness on a particular area of the photo. To change the area that is magnified, just click in the Magnifier and then drag your mouse to change the area of focus.



If the area you want to magnify is in a completely different area of the photo, it is faster to change the area of focus in the Magnifier by clicking on . Then click on the area of the photo you want to magnify.

Adjusting Sharpness

To adjust the sharpness in the photo, use the available sliders as follows:

- **Amount:** use this slider to adjust the amount of sharpness applied to the photo.
- **Radius:** use the slider to adjust the radius or range of sharpness applied to edges in the photo.




Note: to see the radius mask, ensure that **Show affected areas** is selected. When enabled, dragging the slider lets you see the applied range of sharpness.

- **Edge mask:** use the slider to apply a mask over on the detected edges in the photo. Once a mask is applied, CyberLink PhotoDirector only applies the sharpness to the masked areas, leaving the surrounded areas untouched.



Note: to see the edge mask, ensure that **Show affected areas** is selected. When enabled, dragging the slider lets you see the detected edges in the photo.

Noise Reduction

Applying sharpness and other adjustments may result in image noise appearing on the resulting photos. Click the  button to apply auto denoise* on a selected photo. Then use the following sliders to further reduce the image noise as required:



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

- **Luminance:** use this slider to slightly adjust the color brightness, by reducing any unwanted light grey spots in a photo that cause luminance noise.
- **Detail:** use this slider to adjust/recover detail in the photo that may be lost when reducing luminance noise from a photo.
- **Texture:** use this slider to adjust/recover texture in the photo that may be lost when reducing luminance noise from a photo.
- **Color:** use this slider to slightly adjust the overall color saturation, by reducing any unwanted color spots in a photo that cause color noise.
- **Detail:** use this slider to adjust/recover detail in the photo that may be lost when reducing color noise from a photo.

Lens Correction

In the Lens Correction section of the Adjustment panel you can use Auto Lens Correction to correct distorted photos, or just manually correct them if they have a keystone effect, fisheye distortion, or vignette effect. Or you can add a custom vignetting effect to photos if required.

To use Lens Correction on your photos, do this:

1. Click on **Adjustment** and then on the **Manual** tab (if necessary).
2. In **Global Adjustment Tools**, go to the **Lens Correction** section.

Auto Lens Correction

If you find that many of the photos you shot with your camera appear distorted, you may be able to use the Auto Lens Correction* feature to fix them if a fix for the camera's model and lens is available.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To use Auto Lens Correction on a photo, do this:


1. Select the photo in the photo browser panel that you want to correct and then select **Enable correction**.
2. By default, CyberLink PhotoDirector will read the photo's metadata, auto select the drop-downs for you, and then correct the photo.




Note: if any of the drop-downs have a **None** value, there is no correction profile currently available for that lens. See [Downloading Lens Profiles from DirectorZone](#) for information on finding the lens profile for your camera.



3. If the detected lens is incorrect, you can manually select a different **Maker**, **Lens**, or **Profile** if required to correct the photo.



Note: click the  button to redo the lens detection and reset any changes made to the drop-downs.

Downloading Lens Profiles from DirectorZone

If your camera's lens and profile are not available in CyberLink PhotoDirector you can click the  button to download more lens profiles from DirectorZone.

Once downloaded, click the  button to import it and then click  to refresh the profile. CyberLink PhotoDirector should auto detected the imported profile and then correct the selected photo.

Keystone

The keystone section lets you correct the perspective of your photos. Use the available sliders if the subject in a photo appears off because it was taken at an incorrect angle.

Use the sliders to fix the perspective as follows:

- **Vertical:** use the slider to adjust the vertical perspective in the photo. This slider helps correct photos that were taken from an upward or downward angle, for example if the camera was tilted up or down.
- **Horizontal:** use the slider to adjust the horizontal perspective in the photo. This slider helps correct photos that were taken from a left or right angle from the intended subject.


Fisheye Distortion

The fisheye distortion* section helps correct photos that appear distorted. Dragging the **Distortion** slider to the right straightens lines that bend away from the center, correcting barrel distortions. Dragging it to the left straightens lines that bend towards the center, fixing pincushion distortions in photos.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Defringe

The defringe* section allows you to remove color fringing on high contrast edges in your photos. Click  to have CyberLink PhotoDirector automatically remove the color fringes in the selected photo.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Use the following sliders to manually remove the color fringes:

- **Amount:** drag the slider right to increase the amount of defringe applied.
- **Threshold:** drag the slider to adjust the luminance threshold of color fringes. Pixels are treated as possible fringe pixels if their luminance values are larger than the threshold.

Chromatic Aberration

The chromatic aberration* section helps to remove color distortions, or fringes, along boundaries that separate dark and bright colors in photos. These fringes are caused when a camera lens does not properly focus all the colors at these boundaries.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Use the sliders to fix the chromatic aberration as follows:

- **Blue/Yellow:** drag the slider to remove blue/yellow fringing.
- **Red/Cyan:** drag the slider left to remove red/cyan fringing.

Vignette Removal

Use the following sliders to remove an unwanted vignette effect on photos that was caused by a camera lens or the lighting environment:

- **Amount:** use this slider to adjust the level of vignette removal on the photo.
- **Midpoint:** drag the midpoint slider to the left to increase the size of the area (towards the center of the photo) where the vignette removal is applied. Drag it right to decrease the size, towards the corners.

Vignetting Effect

You can add custom vignetting effects to photos in CyberLink PhotoDirector.



Note: the vignetting effect sliders also remove unwanted vignette effect on photos, however the degree of application is greater.

- **Shade:** use this slider to adjust the shade of the vignetting effect. Dragging the slider to the left darkens the corners of the photo towards black, while dragging it right lightens them towards white.
- **Size:** use this slider to adjust the size of the vignetting effect. Dragging the slider to the left increases the size of the vignette effect, closing in a circle on the center of the photo.
- **Roundness:** use this slider to adjust the overall shape of the vignetting effect.
- **Feather:** use this slider to adjust the edge sharpness of the vignetting effect. Dragging the slider to the left makes the edge blunt, while to right uses more of a gradient.

Copying Adjustments

When you have finished applying adjustments to a photo, you can copy all of the adjustments you made and apply them to other photos by pasting them. This is

useful if you took several photos in the same lighting environment and you need to apply similar adjustments.

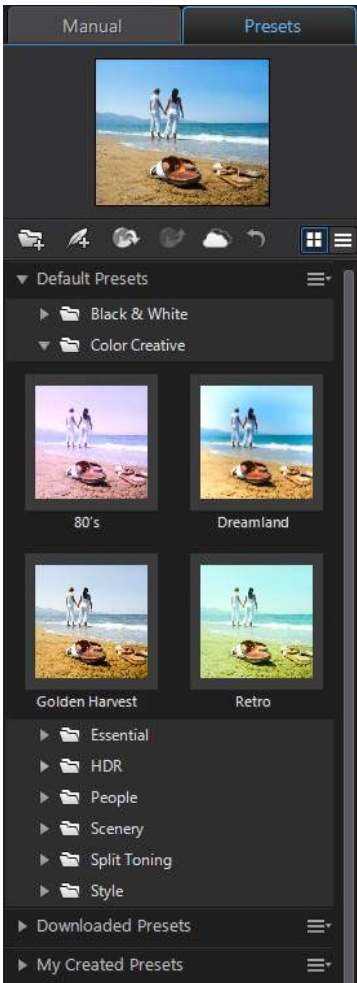
To copy and apply adjustments to other photos in the library, do this:



1. At the bottom of the **Adjustment** panel (**Manual** tab), click **Copy**.
2. In the Adjustment Copy window, select or deselect any adjustment types as required. This allows you to customize the copied adjustment if required.
3. Click the **Copy** button.
4. In the photo browser panel, browse to and select all of the photos you want apply the adjustments to.
5. Click the **Paste** button at the bottom of the adjustment panel to apply the adjustments to the selected photos.

Using Adjustment Presets

Adjustment presets are a saved set of adjustments that you can apply to your photos. You can also download and import presets created by other users, or save your own to use on other photos or share them by uploading to DirectorZone.

Click on **Adjustment** and then the **Presets** tab to display the available adjustment presets.




When browsing through the available presets, click  to view a thumbnail preview of each preset on the currently selected photo. You can also view the presets in list view by clicking .

Downloading Presets from DirectorZone

You can download additional adjustment presets from DirectorZone, which were create by CyberLink and other PhotoDirector users.


To download additional adjustment presets from DirectorZone, do this:

1. Click on **Adjustment** and then on the **Presets** tab.
2. Click on . CyberLink PhotoDirector launches DirectorZone in your default web browser.
3. You must first sign in to DirectorZone to download templates. If you don't have an account, click the **Create Account** link at the top of the page to get one for free.
4. Select the **PhotoDirector** tab to display all the available adjustment presets you can download.
5. Find a preset you want to download, and then click the **Download** link underneath it.
6. Click **Download** again.
7. Save the template to your computer. Find the location on your computer where you saved the preset .pdadj file, and then double-click on it to install it in the Presets window.

My DirectorZone Presets

In the My DirectorZone window you can conveniently download your custom presets that you previously uploaded to DirectorZone. You can also access and download presets from your DirectorZone download history and also your favorite presets.

To download My DirectorZone presets, do this:

1. Click on **Adjustment** and then on the **Presets** tab.
2. Click  on the Presets tab.
3. Click the **My DirectorZone** tab.
4. Filter the presets by **My Uploads**, **Download History**, or **My Favorites**, or enter a search keyword in the field provided.

5. Select all of the presets you want to download.
6. Click **Download** to download them to your computer and import them into the presets library.



Note: *the presets you download are available in the **Downloaded Presets** section of the **Presets** tab.*


Downloading Presets from CyberLink Cloud

If you have a CyberLink Cloud subscription you can download the presets you previously backed up to CyberLink Cloud*. Once downloaded, these presets are stored in the download folder specified in [CyberLink Cloud Preferences](#), and imported into the presets library on the Presets tab.



Note: ** optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To download presets from CyberLink Cloud, do this:

1. Click on **Adjustment** and then on the **Presets** tab.
2. Click  on the Presets tab.
3. Click the **My CyberLink Cloud** tab.
4. Filter the presets by selecting a collection from the drop-down, or enter a search keyword in the field provided.
5. Select all of the presets you want to download.
6. Click **Download** to download them to your computer and import them into the presets library.




Note: *the presets you download are available in the **Downloaded Presets** section of the **Presets** tab.*

Saving Custom Presets

You can save all the adjustments you made on a photo into a custom preset, so that you can use them on other photos.

To save a custom adjustment preset, do this:

1. Click on **Adjustment** and then on the **Presets** tab.
2. Click on  when on the Presets tab, or at the bottom of the **Manual** tab click on **Save**.
3. In the New Preset window, enter the following information:
 - **Name:** enter a custom name for the new preset.
 - **Save in:** select which preset folder on the Presets tab you want to save the preset in. Select **New Folder** if you want to save the custom preset in a new folder.
4. Select or deselect any adjustment types as required. This allows you to customize the adjustment if required.
5. Click the **Save** button.



*Note: before saving the preset, click the **Upload** button if you want to upload it to DirectorZone or back it up on CyberLink Cloud. See [Sharing and Backing Up Presets](#) for more information on uploading presets.*

Applying Presets on Photos

You can apply any of the adjustments presets in the Presets window on photos in your library.

To apply adjustment presets on photos, do this:

1. Click on **Adjustment** and then on the **Presets** tab.
2. Select the photos you want to apply presets to in the photo browser panel.
3. Hover your mouse over each available preset to preview the current photo with the adjustment applied.
4. Click on the adjustment preset you want to use to apply it.


Sharing and Backing Up Presets

You can share your customized presets with other CyberLink PhotoDirector users by uploading them to DirectorZone. If you have a CyberLink Cloud subscription you can back up all your customized presets by storing them on CyberLink Cloud*.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To share and back up your presets, do this:

1. Do either of the following:
 - in the New Preset window, enter a name for the custom preset, and then click **Upload**.
 - select the preset in the **My Created Presets** section of the Presets tab, and then click .
 - right click on the preset in the **My Created Presets** section of the Presets tab, and then select **Upload to DirectorZone/CyberLink Cloud**.
2. In the upload window, enter the information as follows:
 - **Destination:** select where you want to upload the preset.
 - **Preset name:** name of the preset as it will display once uploaded.
 - **This preset belongs to which styles:** select the styles or category for the preset.
 - **Description:** enter a short description of your preset.
 - **Collection:** enter the name of the collection you want the preset added to.
 - **Tags:** enter some keyword search tags that will help users find the preset when searching.



Note: separate each tag you enter with a space. If you want to use two words as the tag, just put quotes around them, e.g. "dollar bill".

3. Click **Next** to proceed.



Note: if you are not signed into DirectorZone, you will first be asked to sign in to continue.

4. Confirm the copyright disclaimer, and then click **Next** to proceed with the upload.
5. Click on **Close** to close the upload window.

Exporting/Import Presets


You can export your adjustment presets for import and use on another computer. To export an adjustment preset, do this:

1. Right click on a preset and then select **Export**.
2. Enter a file name for the preset, and then select the location where you want to export it.
3. Click **Save**. CyberLink PhotoDirector saves the preset in the .pdadj file format.


To import an adjustment preset, do this:



Note: you can only import adjustment presets in the .pdadj file format via this import method. If you are trying to import an adjustment preset in the .pdadj format that you downloaded from DirectorZone, just double click on it.

1. Within the Downloaded Preset or My Created Presets section, click on  and then select **Import**.
2. Browse to location of the preset file and then select **Open** to complete the import.

Viewing History

Click **Adjustment** and then on the  button below the photo viewer to view a history of all the adjustments and edits you made to the selected photo in CyberLink PhotoDirector.

Hover your mouse over an item in the history to view in the thumbnail what the photo looked like at that moment in the history.

If required, select an item to revert the photo back to that adjustment or edit. Click **Apply** to close the History window.

Turning Adjustments On/Off


You can turn off a set of adjustments applied to a photo instantly. This allows you to reset the one type of adjustments, instead of resetting all the adjustments by clicking **Reset**.

To do this, just deselect the check box associated to the applied adjustments.



At any time you can turn the adjustments back on by re-selecting the check box.



Note: you can also click the  button if you would like to reset a set of adjustments back to the default values.

Chapter 6:



Edits

This chapter outlines all of the features available in the Edit module. In this window you can use the People Beautifier tools to touch up the people in your photos, add effects to your photos, remove objects and backgrounds, merge photos to create panoramas or real HDR photos, add frames and watermarks, and much more. Click on the **Edit** button to begin editing your photos.



Note: when you enter the Edit module, CyberLink PhotoDirector creates a virtual copy of the photo and then applies any adjustments you previously made to this copy for more seamless editing. Any edits you make are applied to the virtual copy, **not** the original photo file. To apply the edits in a photo file, you must either click the **Save to** button in the window, export as a new photo, or share/print it. See [The Export Photo Process](#) for more information on how to export photos that have been edited.

At any time during the editing process, you can:

- click  to quickly peek at the original photo.
- click  to view a log of the edits made on a photo in History. See [Viewing History](#) for more information.
- click **Clear** at the bottom of the edit panel to clear all unsaved changes you made in the current window. This does not clear the adjustments made before entering the Edit module, or any edits made with any of the other Edit features.

People Beautifier

In the **People Beautifier*** section you can touch up people in your photos using the [Body Shaper](#), [Skin Tools](#), and the [Face Tools](#).




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.


Face Tools

Click the **Face Tools*** option to open a panel where you can change the shape of the faces in photos using the [Face Shaper](#), or touch up other facial features using [Shine Remover](#), [Eyes tools](#), [Wrinkle Remover](#), or the [Tooth Brush](#).




***Note:** when you enter any of the tabs in the Face Tools panel, its beautifying features are auto applied to the faces in your photo. Clicking the **Undo** button removes any changes you make on the current tab, returning to the point when you entered the current Face Tools tab. * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

If more than one face is detected in a selected photo, CyberLink PhotoDirector asks you which person's face you want to edit when you first enter. Select the face in the photo you want to edit, and then use all of the below tools to beautify it. If you want to edit another person's face, just click  and then select it.

When you are done using these tools, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.


Face Shaper

The Face Shaper lets you change the shape of the faces in your photos. To use the Face Shaper, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Face Tools**.
3. Click on the  tab.
4. If required, select the **Show feature points** option to display points that should align to the chin and sides of the face. If required, move the feature points to the proper locations on the face.
5. Use the **Strength** slider to change the shape of the face as required. Drag it right to make it thinner, or left to make it more round.

Shine Remover


Use Shine Remover to remove any shiny parts on the person's face. To use the Shine Remover, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Face Tools**.
3. Click on the  tab.
4. If required, select the **Show feature points** option to display points that should align to the features of the face (eyes, nose, mouth, chin, and cheeks). If required, move the feature points to the proper locations on the face.
5. Use the **Strength** slider to set the amount of shine removal applied.

Eye Tools

Use the Eye Tools to make eyes larger, remove bags under a person's eyes, and to brighten the eyes or darken the eyelashes, eyebrows, or other parts of the eye.

To use the Eye Tools, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Face Tools**.
3. Click on the  tab and then use the available tools as described below.



*Note: if required, select the **Show feature points** option to display points that should align to the outside of the person's eyes. If required, move the feature points to the proper locations around the eyes.*

Eye Enlarger

Eye Enlarger lets you increase the size of the person's eyes. Use the **Strength** slider to resize eyes. Drag it right to make them larger, or left to decrease them in size.


Eye Bag Remover

Use the Eye Bag Removal feature to remove the bags under the person's eyes. Use the **Strength** slider to set the amount of removal applied.

Eye Blinger

Use the Eye Blinger brushes to brighten the eyes in your photos, or darken the eyelashes, eyebrows, or other parts of the eye.


To brighten the eyes, do this:

1. Ensure  is selected.
2. Configure the Brush Settings as follows:
 - **Size:** use the slider to set the size of the brushed area.
 - **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Strength:** use the slider to set the strength, or intensity of the whitening applied.
 - **Fit to edges:** select this option to limit applied whitening to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
3. Click and drag on the white part of eyes in the photo to apply brush strokes.



Note: if you brush areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

To enhance the dark parts of the eye, do this:

1. Click on  to select the eyelash/eyebrow brush.
2. Configure the Brush Settings as follows:
 - **Size:** use the slider to set the size of the brushed area.



- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Strength:** use the slider to set the strength, or intensity of the darkening applied.
 - **Fit to edges:** select this option to limit applied darkening to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
3. Click and drag on the areas of the photo you want to darken to apply brush strokes.




Note: if you brush areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

Wrinkle Remover

The Wrinkle Remover option can eliminate wrinkles on the faces in your photos. To use the Wrinkle Remover tool, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Face Tools**.
3. Click on the  tab.
4. Ensure  is selected.
5. Use the **Size** slider to set the size of the brush.
6. Use the brush to select an area of the face that contains the wrinkles you want to remove.



Note: if you select areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

7. When you are done, click on **Next**.
8. Click on a selected area and then drag it to an area of the face that is smoother, i.e. has no wrinkles.



- Use the **Size** slider to adjust the size and look of the area that covers up the wrinkles.




Note: repeat the above steps to remove all of the wrinkles on the face. You can also select multiple areas at once if required to speed up the removal process.

Tooth Brush

Use the Tooth Brush to whiten teeth in your photos. To use the Tooth Brush, do this:

- Click on **Edit**.
- In the **People Beautifier** section, click **Face Tools**.
- Click on the  tab.
- Ensure  is selected.
- Configure the Brush Settings as follows:
 - Size:** use the slider to set the size of the brushed area.
 - Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - Strength:** use the slider to set the strength, or intensity of the whitening applied.
 - Fit to edges:** select this option to limit applied whitening to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
- Click and drag on the teeth in the photo to apply a brush stroke.



Note: if you brush areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

Skin Tools

Click the **Skin Tools*** option to open a panel where you can use [Skin Smoothener](#) and [Skin Tone](#) to touch up the skin imperfections in your photos.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

When you are done using these tools, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on to return to the main menu.


Skin Smoothener

Use the Skin Smoothener option to the smoothen the skin on faces in your photos. To use the Skin Smoothener brush, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Skin Tools**.
3. Click on the tab.
4. Ensure is selected.
5. Configure the Brush Settings as follows:
 - **Size**: use the slider to set the size of the brushed area.
 - **Feather**: use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Strength**: use the slider to set the strength, or intensity of the smoothening applied.
 - **Fit to edges**: select this option to limit applied smoothening to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
6. Select the **Fine tune detail** option to enable the following two sliders to adjust the amount of smoothness and adjust/recover detail.

- **Smoothness:** use this slider to adjust the amount of smoothness applied to the brushed areas of the photo.
 - **Detail:** use this slider to adjust/recover detail in the photo that may be lost when smoothening areas of the face.
7. Click and drag on the skin area you want to smoothen to apply brush strokes.





Note: if you brush areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

Skin Tone

The Skin Tone* feature lets you touch up just the skin color in your photos. To use Skin Tone, do this:



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Skin Tools**.
3. Click on the  tab.
4. Ensure  is selected, and then select an area of the skin. CyberLink PhotoDirector will detect the skin and then cover up all areas that are not skin with a mask. You can view the masked areas in the mask preview window.






Note: the skin is indicated by a skin like color in the mask preview window. The areas in white are the areas where the skin tone edits will not be applied.

5. If required, you use the **Tolerance** slider to adjust the masked area. Dragging the slider left will reduce the size of the mask, while dragging to right will expand it.
6. If required, you can use the fine tune tools to manually adjust the masked areas as follows:



Note: to help with the use of the fine tune tools, select the **Show mask on viewer** option to display the mask on your photo in the preview window.


-  - use the cleaner tool to add to the white areas of the photo that should not be edited. For example teeth or light colored clothing, i.e. areas that are not skin.
 -  - use the recovery tool to remove the white areas to expose skin that should not be covered.
 - **Size:** drag this slider to change the size of the fine tune tool brush.
 - **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Fit to edges:** select this option to limit applied areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
7. Select a color to use as the foundation for the new skin tone. Click  if you want to customize the foundation color using the color picker.
8. Use the sliders to fine tune the skin color as follows:
- **Strength:** use this slider to adjust the amount of the color applied.
 - **Warmth:** use this slider to adjust the warmth of the skin color. Dragging it left applies a colder temperature, while dragging it right makes it warmer.
 - **Tint:** use this slider to adjust the tint of the applied color.

Body Shaper

Click the **Body Shaper*** option to open a panel where you can you reshape the people and objects in your photos using the [Distortion tool](#), [Mesh tool](#), and the [Manual Mesh Tool](#).




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*


When you are done using these tools, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.


Distortion Tool





The Distortion Tool lets you warp areas of a photo, changing the shape of objects in them. To use the Distortion Tool to warp objects, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Body Shaper**.
3. Click on the  tab.




*Note: before you begin using the distortion tool, you can click  to enable and use the add protection brush. Use it to brush on areas of the photo you want to protect, or where the distortion tools won't have any effect. Use the **Size** slider to set the size of the brush and then brush the areas you want to protect. Select the **Show mask** option to see the area you brushed.*

Click on the  button to erase any areas you don't want to protect.

4. Click on the  button and then drag the mouse on the photo to warp areas by having the surrounding pixels dragged in the direction it is moving. Use the **Size** slider to set the size of the area being distorted. Use the **Strength** slider to change the amount of distortion applied when dragging the mouse.
5. Click on the  button and then drag the mouse on the photo to make areas pucker, or appear to sink in. Use the **Size** slider to set the size of the area being distorted. Use the **Strength** slider to change the amount of distortion applied when dragging the mouse on the photo.
6. Click on the  button and then drag the mouse on the photo to make areas bloated, or appear to bulge out. Use the **Size** slider to set the size of the area being distorted. Use the **Strength** slider to change the amount of distortion applied when dragging the mouse on the photo.
7. If you want to remove parts of the distorted areas you applied on a photo, you can use the recover brush to remove them. To do this, click on the  button and then brush the areas you want to recover/remove the distortion from. Use the **Size** slider to set the size of the recover brush. Use the **Strength** slider to change the amount of recovery applied when dragging the mouse on the photo.

Mesh Tool

The Mesh Tool lets you use the sliders to create a mesh grid that you use to reshape objects. To use the Mesh Tool to reshape objects, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Body Shaper**.
3. Click on the  tab.
4. Use the **Rows** slider to set the number of rows in the mesh grid.
5. Use the **Columns** slider to set the number of columns in the mesh grid.
6. Click and drag a control point (the square that appears where each row and column intersect) and then drag it to a new position to reshape the object as required.



Note: you can reset a control point back to its original position by double-clicking on it.

7. Continue clicking and dragging controls points until the object becomes the desired shape.





Note: if required, deselect the **Show mesh** option to preview the photo with the mesh grid hidden from view.

Manual Mesh Tool

The Manual Mesh Tool lets you manually add the control points, creating a customized mesh grid you can use to reshape objects.

To use the Manual Mesh Tool to reshape objects, do this:

1. Click on **Edit**.
2. In the **People Beautifier** section, click **Body Shaper**.
3. Click on the  tab.
4. Ensure  is selected.

- Click on the photo to add control points, as required. Continue this process until you have added all the required control points you think you need to reshape the object. Note that CyberLink PhotoDirector also auto adds control points where the mesh grid lines intersect.



Note: to delete a control point, just right click on it.

- Click on a control point and drag it to a new position to reshape the object as required.



Note: you can reset a control point back to its original position by double-clicking on it.

- Continue clicking and dragging controls points until the object becomes the desired shape.



Note: if required, deselect the **Show mesh** option to preview the photo with the mesh hidden from view.

Photo Effects


In the Photo Effects section you can apply Color Effects to your photos, use the Blur Tools, or give photos a gritty or coarse look with the Grain Effect.



Note: you can only apply one effect to each photo.

Color Effects


Click on **Edit** and then in the **Photo Effects** section, click the **Color Effects** option to add a black and white, sepia, or tint color effect to your photos. You can also use Color Splash to keep only a color you select in the photo.

When you are done applying the color effects, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.

Black & White


Click the **Black & White** option to instantly convert the selected photo to black and white.

Customizing the Color Effect

If required you can click on  to enable the erase effect brush, and then click and drag on the photo to brush away the applied color effect. Use the following brush settings to customize the brush strokes:

- **Size:** use the slider to set the size of the brush.
- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
- **Strength:** use the slider to set the strength, or intensity of the brush.
- **Fit to edges:** select this option to limit the brush strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.




Note: if you brush areas on the photo by mistake, click  to enable the restore effect brush. Then use your mouse to restore the color effect on areas of the photo you erased by mistake.

Sepia


Click the **Sepia** option to apply a dark brown-gray hue that resembles the effect of aging in old photographs. Use the **Amount** slider to adjust the intensity of the applied effect.

Customizing the Color Effect

If required you can click on  to enable the erase effect brush, and then click and drag on the photo to brush away the applied color effect. Use the following brush settings to customize the brush strokes:

- **Size:** use the slider to set the size of the brush.
- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
- **Strength:** use the slider to set the strength, or intensity of the brush.
- **Fit to edges:** select this option to limit the brush strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.




Note: if you brush areas on the photo by mistake, click  to enable the restore effect brush. Then use your mouse to restore the color effect on areas of the photo you erased by mistake.

Tint

Click the **Tint** option to add highlighted color throughout the selected photo. Click on the **Color** button to pick your desired color and then use the slider to adjust its **Intensity**.

Customizing the Color Effect


If required you can click on  to enable the erase effect brush, and then click and drag on the photo to brush away the applied color effect. Use the following brush settings to customize the brush strokes:

- **Size:** use the slider to set the size of the brush.
- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer

circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.

- **Strength:** use the slider to set the strength, or intensity of the brush.
- **Fit to edges:** select this option to limit the brush strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.



Note: if you brush areas on the photo by mistake, click  to enable the restore effect brush. Then use your mouse to restore the color effect on areas of the photo you erased by mistake.


Color Splash

Click the **Color Splash*** option to keep only a color you select in the photo.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To keep only a chosen color in the selected photo, do this:

1. Click the  button and then use the eye dropper to select the color in the photo you want to keep. All the other colors in the photo become black and white.
2. Use the **Tolerance** slider to adjust the range of color that is kept. Dragging it right will allow more color into the photo. Dragging it left will remove more color.
3. Use the **Hueshift** slider to adjust the shade of the remaining color. You can completely change the color using this slider, if required.

Customizing the Color Effect

If required you can click on  to enable the erase color brush, and then click and drag on the photo to remove any excess color that remains in the photo. Use the following brush settings to customize the brush strokes:

- **Size:** use the slider to set the size of the brush.

- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
- **Strength:** use the slider to set the strength, or intensity of the brush.
- **Fit to edges:** select this option to limit the brush strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.




Note: you can also click on  to enable the restore color brush, then use your mouse to restore the original color on specific areas of the photo as required.

Blur Tools

Click the **Blur Tools*** option to create a blur effect on your photos using one of the three tools available.



Note: when you enter any of the tabs in the Blur Tools panel, its blurring effect is auto applied to your photo. Clicking the **Undo** button removes any changes you make on the current tab, returning to the point when you entered the current Blur Tools tab. * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

When you are done using the Blur Tools, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.

Circular Tool

This tool lets you create a blur effect that is centered on a specified point or area of a photo. To use the circular tool, do this:

1. Click on **Edit**.
2. In the **Photo Effects** section, click **Blur Tools**.
3. Click on the  tab.

4. Click and drag the red center point of the mask to the location on the photo where you want to focus the blur effect. The portion of the photo within the white circle of the mask will not be affected by the blur applied.
5. From the **Blur type** drop down, select one of the following types of blur:
 - **Soft Focus:** applies a light blurring effect on the photo.
 - **Bokeh:** select this option to apply an out of focus blur effect on your photo. Once selected, select the **Blur shape** you want to use. The shape you choose is integrated into the lighter areas of the blur effect.
 - **Radial:** applies a blur that circles or swirls around the focus area.
 - **Focal Zoom:** applies a blur that draws focus to the focus area and can give the perception of motion in some images.
 - **Motion Blur:** applies a blur that gives the perception that the subject/object in the focus area is moving. Once selected, click and drag the **Blur direction** control to set the direction of the blurred motion.
6. Use the **Blur** degree slider to set the strength of the blur effect applied to the photo.





*Note: deselect the **Show mask** option to get a better view of the applied blur effect at any time. You can also click on the red dot in the center to hide the applied blur effect if required.*

7. If required, click and drag the outer part of the circle of the mask to adjust the size of the gradient between the blur and focus area for the blur effect.

Linear Tool

This tool lets you create a linear blur effect across the photo. To use the linear tool, do this:

1. Click on **Edit**.
2. In the **Photo Effects** section, click **Blur Tools**.
3. Click on the  tab.
4. Click and drag the red center point of the mask to the location on the photo where you want the blur to start from. The portion of the photo between the white lines of the mask will not be affected by the blur applied.

5. If required, hover your mouse over the center line and when your mouse cursor changes to , click and drag to rotate the mask as required.
6. From the **Blur type** drop down, select one of the following types of blur:
 - **Soft Focus:** applies a light blurring effect on the photo.
 - **Bokeh:** select this option to apply an out of focus blur effect on your photo. Once selected, select the **Blur shape** you want to use. The shape you choose is integrated into the lighter areas of the blur effect.
 - **Motion Blur:** applies a blur that gives the perception that the subject/object in the focus area is moving. Once selected, click and drag the **Blur direction** control to set the direction of the blurred motion.
7. Use the **Blur degree** slider to set the strength of the blur effect applied to the photo.





*Note: deselect the **Show mask** option to get a better view of the applied blur effect at any time. You can also click on the red dot in the center to hide the applied blur effect if required.*

8. If required, click and drag the outer lines of the mask to adjust the size of the gradient between the blur and area between the white lines.


Brush Tool

This tool lets you apply a blur effect and then brush away areas of the photo where you don't want it applied. To use the brush tool, do this:

1. Click on **Edit**.
2. In the **Photo Effects** section, click **Blur Tools**.
3. Click on the  tab.
4. From the **Blur type** drop down, select one of the following types of blur:
 - **Soft Focus:** applies a light blurring effect on the photo.
 - **Bokeh:** select this option to apply an out of focus blur effect on your photo. Once selected, select the **Blur shape** you want to use. The shape you choose is integrated into the lighter areas of the blur effect.

- **Motion Blur:** applies a blur that gives the perception of motion in the photo. Once selected, click and drag the **Blur direction** control to set the direction of the blurred motion.
5. Use the **Blur degree** slider to set the strength of the blur effect applied to the photo.
 6. Click on  to enable the erase effect brush.
 7. Configure the Brush Settings as follows:
 - **Size:** use the slider to set the size of the brush.
 - **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
 - **Strength:** use the slider to set the strength, or intensity of the brush.
 - **Fit to edges:** select this option to limit applied strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.
 8. Click and drag on the regions of the photo to brush away the applied blur.



Note: if you brush areas on the photo by mistake, click  to enable the restore effect brush. Then use your mouse to restore the blur effect on areas of the photo you erased by mistake.

Grain Effect

Click on **Edit** and then in the **Photo Effects** section, click the **Grain Effect*** option to give photos a grittier or grainier look.




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*


After selecting the option, the effect is auto applied to the selected photo. Use the **Amount** slider to adjust the strength of the applied effect.



Note: once you have applied an effect, you can use the Region Cleaner to remove parts of the effect from the photo. See below section for more information.


When you are done applying the grain effect, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.

Customizing the Grain Effect

If required you can click on  to enable the erase effect brush, and then click and drag on the photo to brush away the applied grain effect. Use the following brush settings to customize the brush strokes:

- **Size:** use the slider to set the size of the brush.
- **Feather:** use the slider to set the transition level between the area being brushed and the pixels around the area. The area between the inner and outer circle is the size of the gradient that CyberLink PhotoDirector uses to create a smooth transition between the areas.
- **Strength:** use the slider to set the strength, or intensity of the brush.
- **Fit to edges:** select this option to limit the brush strokes to areas of the photo that have a similar properties. CyberLink PhotoDirector auto applies them for you based on your brush strokes.



Note: if you brush areas on the photo by mistake, click  to enable the restore effect brush. Then use your mouse to restore the grain effect on areas of the photo you erased by mistake.

Overlay


Click on **Edit** and then in the **Photo Effects** section, click the **Overlay*** option to add stylish effects to your photos in a single click. You can choose from these four types of overlays by clicking on the corresponding tab:



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*





- **Light Leak:** applies an effect that gives the impression of light being leaked onto a film negative, reminiscent of color photography from the 60s and 70s.
- **Grunge:** applies a superimposed earthy/rough looking effect on the photo.
- **Scratch:** applies a superimposed streak or scratch effect to the photo.

- **Lens Flare:** applies a lens flare effect to the photo.

When you are done selecting the overlay, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel. Once the save is complete, click on  to return to the main menu.

Customizing the Overlay Effect

If required you can use the available settings to customize the effect as follows:

- **Opacity:** use the slider to change the opacity of the selected overlay template. Drag it right to increase the opacity, or left to reduce it.
- **Rotate:** you can change the look of the selected overlay effect by rotating it. Click  to rotate it 90 degrees right, or  to rotate it left 90 degrees.
- **Flip:** you can change the look of the selected overlay effect by flipping it. Click  to flip it horizontally, or  to flip it vertically.
- **Enable template resize/movement:** enabling this option allows you to resize the overlay effect or click and move it on the photo. Doing this can change the look of the overlay effect on your photo.

Downloading Overlay Templates from DirectorZone

You can download additional overlay templates from DirectorZone.

To download additional overlay templates from DirectorZone, do this:

1. Click on the **Download more from DirectorZone** link. CyberLink PhotoDirector launches DirectorZone in your default web browser.
2. You must first sign in to DirectorZone to download templates. If you don't have an account, click the **Create Account** link at the top of the page to get one for free.
3. Select the **PhotoDirector** tab to display all the available overlay templates you can download.

4. Find a template you want to download, and then click the **Download** link underneath it.
5. Click **Download** again.
6. Save the template to your computer. Find the location on your computer where you saved the overlay template file, and then double-click on it to install it on the corresponding overlay tab.

360° Photo Editor

Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor*** to fix your 360° photos.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

In the 360° Photo Editor you can also use 360° photos to create little planet photos or panoramas.



*Note: you can also enter the 360° Photo Editor by right clicking on a 360° photo in the browser panel and then selecting **Edit 360° Photo**.*

When in the 360° Photo Editor, click the **Fix and Align** tab to apply the following fixes to your 360° photos:

- [Straighten 360° photos](#)
- [Remove the tripod from 360° photos](#)
- [Apply photo adjustments to 360° photos](#)

Click on the **Create** tab to:

- [Create little planet photos](#)
- [Convert 360° photos into panoramas](#)

Straightening 360° Photos

Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor > Straighten*** to straighten your 360° photos that appear not to be level. When you are finished straightening the photo you can select another feature

in the 360° Photo Editor, or click on the **Done** button to save the changes you made in a new virtual photo that is added to the photo browser panel.







Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Straighten Display Mode Options

After selecting the Straighten option, the following window display mode options are available to you:



Note: while straightening a 360 photo, you can click and hold the  button to preview the results in equirectangular view.

-  **Show grid lines** - click to display grid lines on your 360° photo, which can be helpful when trying to straighten a photo.
-  **Show one** - shows one preview window for the selected 360° photo.
-  **Show split view** - select to split the preview window into four sections. This lets you view the 360° photo in four directions to help you ensure the photo is straight.

Horizontal

Click and drag on the **Horizontal** control on the **Fix and Align** tab, or at the bottom of your photo, to straighten the photo along the horizontal. For the best straightening results, use this control in conjunction with the **Vertical** and **Tilt** controls.

Vertical

Click and drag on the **Vertical** control on the **Fix and Align** tab, or on the right side of your photo, to straighten the photo along the vertical. For the best straightening results, use this control in conjunction with the **Horizontal** and **Tilt** controls.



Note: you can also click and drag anywhere on the 360° photo to straighten it. However, note that clicking and dragging on the horizontal/vertical controls lets you move in straight lines.

Tilt

Use the **Tilt** control to rotate the photo to level out the horizon as required. Just click on the control on the **Fix and Align** tab, or on the photo, and then drag it to rotate the photo on its current axis. For the best straightening results, use this control in conjunction with the **Horizontal** and **Vertical** controls.

Removing Tripod From 360° Photos


Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor > Tripod Removal*** if you can see the tripod used to take your 360° photo and want to cover it up. When you are finished removing the tripod from the photo you can select another feature in the 360° Photo Editor, or click on the **Done** button to save the changes you made in a new virtual photo that is added to the photo browser panel.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To remove a tripod from a 360° photo, do this:



Note: while removing the tripod from a 360° photo, you can click and hold the  button to preview the results in equirectangular view.

1. **Enable tripod removal** using the available control.



2. **Select the tripod position** so CyberLink PhotoDirector knows where to cover it up.



Note: CyberLink PhotoDirector sets the tripod position directly on the **North pole** or **South pole** from the photos default axis setting, i.e. before it was straightened.

3. **Select the tripod cover** you want to use. The **Blur** cover blurs out the tripod, or you can choose the **Reflective bubble**.

4. Use the **Size** slider to set the size of the tripod cover. If you are using the blur tripod cover, use the **Strength** slider to set the intensity of the blur.




Note: select the **Display reference controls** option if you want to use

Adjusting 360° Photos

You can apply some global adjustments on your 360° photos in the 360° Photo Editor. Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor > Adjustment** to use the available controls.



Note: while making adjustments to a 360° photo, you can click and hold the  button to preview the results in equirectangular view.

See the relevant sections in [Global Adjustment Tools](#) for detailed information on how to use these adjustments. When you are finished adjusting the photo you can select another feature in the 360° Photo Editor, or click on the **Done** button to save the changes you made in a new virtual photo that is added to the photo browser panel.

Creating Little Planet Photos

Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor > Little Planet*** to create new unique photos with your 360° photos that look like little planets.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To create a little planet photo, do this:

1. Select the new photo's **Aspect ratio** from the drop-down, which can be either portrait or landscape. Select the **Enter Custom** option to set a custom aspect ratio for the new photo by entering it in the available fields.
2. **Select a planet view mode** for the photo:
 - **Ground side as planet:** sets the bottom part of the 360 photo as the planet, which is usually the ground/floor in a photo.

- **Sky side as planet:** sets the top part of the 360 photo as the planet, which is usually the sky/ceiling in a photo.
3. Use the following sliders to customize the little planet photo as required:
 - **Rotate:** use this slider to rotate the little planet.
 - **Zoom - focal point:** use the slider to zoom in on a point of focus on the little planet.
 - **Move focal point:** use the slider to move the focal point on the little planet. Adjusting the focal point, lets you change the focus and overall look of the photo.
 - **Field of view:** use the slider to increase/decrease the field of view.
 4. When you are finished, click on the **Done** button to save the changes you made in a new virtual photo that is added to the photo browser panel.

Converting 360° Photos to Panoramas

Select a 360° photo in the browser panel, click the **Edit** button, and then select **360° Photo Editor > 360°-to-Panorama*** to use a 360° photo to create a panorama photo.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To convert a 360° photo into a panorama photo, do this:

1. **Select a projection mode** for the photo:
 - **Mercator:** creates the photo using a cylindrical map projection.
 - **Cylinder:** creates a photo that is on a cylindrical tangent to the center line of the original photo.
 - **Equirectangular:** creates a photo using equidistant cylindrical projection.
2. If required, you can customize your panorama by dragging the edges of the crop area, or by moving the crop area to another position by clicking and dragging it.
3. Customize what and where people/objects in your panorama are positioned by dragging the **Customize field of view** control left or right.



Note: select the **Display reference lines** option if you want to use the guides to help you customize your panorama.

4. When you are finished, click on the **Done** button to save the changes you made in a new virtual photo that is added to the photo browser panel.

Object Removal

In the Object Removal* section you can conceal objects in photos in by cloning an area using Smart Patch, or use Content Aware Removal to remove objects completely, replacing the pixels with the surrounding ones.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.


Smart Patch

In the Smart Patch* section you can conceal objects in photos by cloning an area and using it as a mask to cover up the desired part of the photo.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To cover up an object in a photo, do this:

1. Click on **Edit**.
2. In the **Object Removal** section, click on **Smart Patch** to open the panel.
3. Ensure  is selected.
4. Click and hold down the left mouse button, and then draw an outline around the object you want to remove from the photo. Once you are done drawing the outline, release the mouse button.
5. Click on the outlined area and then drag it to a part of the photo that you can use to mask the object.



Note: CyberLink PhotoDirector uses the color of the surrounding pixels, not necessary the cloned area, to cover the object to better blend it with the background.

6. Use the **Size** slider to adjust the size and look of the area that covers up the object.
7. Click on **Apply**.
8. When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
9. Once the save is complete, click on  to return to the main menu.

Content Aware Removal

Use the Content Aware Removal* option to remove objects in your photos. Using the manual selection and line drawer tools, you select the pixels that make up the object you want to remove. When you click apply, CyberLink PhotoDirector removes the unwanted pixels and then replaces them with the surrounding pixels to make the object essentially disappear.





Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.


To remove objects in a photo using Content Aware Removal, do this:





Note: when using Content Aware Removal, you can use both the manual selection brush and the line drawer to select the object you want to remove from the photo.


1. Click on **Edit**.
2. In the **Object Removal** section, click on **Content Aware Removal** to open the panel.
3. Click on the  tab to use the manual selection tool to select the object you want to remove. The manual selection tool lets you select the pixels you want to remove using a brush. Use the manual selection tool as follows:
 - Click on  to use the manual brush to select the pixels you want to remove. Use the **Size** slider to set the size of the brush and then brush on the object to select its pixels. Continue this process until the entire object is selected.



Note: *if there are some pixels selected that shouldn't be, click the  button and then brush these areas to deselect them. You can also hold down the Alt key on your keyboard to quickly switch to the eraser and deselect the areas.*

- Click on the  tab to use the line drawer tool to select the object you want to remove. With the line drawer tool you draw a series of straight lines to select the pixels you want to remove. Use the line drawer tool as follows:
 - Click on  to enable the line brush tool. Use the **Size** slider to set the width of the line. Click on an area on the object, and then click on another to create a line that selects the pixels that you want to remove. Continue this process until the entire object is selected. Double-click to complete the selection.




Note: *if there are some pixels selected that shouldn't be, click the  button and then brush these areas to deselect them.*

- Click on **Apply**. CyberLink PhotoDirector will remove the selected pixels and replace them with the surrounding pixels to fill in the gap.



Note: *for best results, it is sometimes necessary to select the pixels around the object as well, and any shadow the object may have cast in the photo. If the object is not fully removed, redo the above process until you get the results you want.*

- When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
- Once the save is complete, click on  to return to the main menu.

Extract or Compose

In the Extract or Compose* section you can remove areas or objects in a photo, making them transparent. You can also use the Photo Composer option to add logos and other images onto a photo.



Note: ** optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

Background Removal

Use the Background Removal* feature to remove areas or objects in a photo, making them transparent. Once removed and saved, this image is available for use in the Photo Composer.





Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.


To use the Background Removal tools, do this:





Note: when using Background Removal, you can use both the magic selection brush and the smart lasso to select the area of the photo you want to remove.

1. Click on **Edit**.
2. In the **Extract or Compose** section, click on **Background Removal** to open the panel.
3. Click on the  tab to use the magic selection tool. The magic selection tool lets you highlight the pixels you want to select using a brush. Use the magic selection tools as follows:
 - Click on  to use the brush tool. Use the **Size** slider to set the size of the brush and then brush along the edges of the area you want to select. To make it easier to select the area, enable the **Intelligent** option to have CyberLink PhotoDirector assist you by selecting all the pixels with similar properties when you make a brush stroke. Continue using the brush tool until the entire area you want is selected.






Note: if there are some areas that are selected that shouldn't be, click the  button and then brush these areas to deselect them. You can also hold down the **Alt** key on your keyboard to quickly switch to the eraser and deselect the areas.

4. Click on the  tab to use the smart lasso to select an area or objects. With the smart lasso, you drag your mouse along the edges of the area you want to select and it auto snaps the pixels on the edges for you. Use the smart lasso as follows:

- Click on  and then use the **Cursor size** slider to set the size of the selection tool. Click on the edge of the area and then drag the cursor around the entire edge of the area you want to select. When you are done, double click to complete the selection.



Note: *if required, you can click anywhere on the outline created and drag a node to adjust the selected area. You can also click on the line to add a new node, or right click on a node to remove it.*

5. When you are done selecting the area using the magic selection tool or the smart lasso, select one of the following options.
 - **Remove selected area:** select this option if you want to make the selected area transparent, removing it from the photo.
 - **Remove unselected area:** select this option if you want to keep the selected area in the photo, making the remaining portions of the photo transparent.
6. Click **Apply** to remove the specified area, making it transparent.
7. If you need to refine the transparent/removed area, do this:
 - click on  and then brush the edges of the removed area to fine tune it as required.
 - if you removed the selected area, click on  and then brush on the selected area to reveal it. If you removed the unselected area, use this brush to cover up the selected areas that are still showing.
 - if you removed the unselected area, click on  and then brush on the unselected area to reveal it. If you removed the selected area, use this brush to cover up the unselected areas that are still showing.



Note: *use the **Size** slider to set the size of the selected brush.*

8. If required, click the **Color Board** button and select a color for the removed part of the photo. If you don't set a color, the removed part is transparent in the new photo.
9. When you are done, click on the **Save to** button to save the changes you made in a new photo in the PNG format.



Note: this image is also saved to the Background Removal Gallery, and is available for use in the Photo Composer.


- Once the save is complete, click on  to return to the main menu.




Photo Composer

In the Photo Composer* section you can create a new photo composite by adding images in the PNG or JPG format onto an existing photo in your library.




Note: you can create more advanced photo composites in the Layers module. See [Layers](#) for more information. * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To compose a new photo, do this:

- Click on **Edit**.
- In the **Extract or Compose** section, click on **Photo Composer** to open the panel.
- Select the photo in the library panel that you want to use in the new photo.
- Click on the  button and then select one of the following options:
 - From Folder:** select this option to import an image that is in a folder on your computer's hard drive. Browse to and select the image you want to add, and then click on **Open**.
 - From Background Removal Gallery:** select this option to use an image you previously saved in the Background Removal Gallery. Select an image in the gallery, and then click **OK**.
- Click on the added image and drag it to the required location on the photo.
- Click and drag the edges of the image to resize it, if required.
- Adjust the Image Settings as follows:
 - Flip:** if required, click  to flip the added image vertically. Click  to flip it horizontally.



Note: you can also right click on the added image to flip it horizontally or vertically. If you want to undo all the changes to the image's settings, right click on it and then select **Reset**.

- **Opacity:** use the slider to set the amount of transparency for the imported image.
 - **Temperature:** if required, adjust the color temperature of the imported image so that it blends in with the background image.
 - **Tint:** if required, adjust the color tint of the imported image so that it blends in with the background image.
 - **Exposure:** if required, adjust the exposure level of the imported image so that it blends in with the background image.
 - **Contrast:** if required, adjust the contrast of the imported image so that it blends in with the background image.
8. If required, repeat steps 3 to 6 to add more images to your photo composite. When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
 9. Once the save is complete, click on  to return to the main menu.


Content Aware Move

Use the Content Aware Move* option to move an object in a photo to another location in the same photo. Using the selection tool, you select the object you want to move, and then drag it to the new location. When you click apply, CyberLink PhotoDirector uses nearby pixels to fill in the empty space left by the moved object and blends the pixels around the moved object.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To move objects in a photo using Content Aware Move, do this:

1. Click on **Edit**.
2. In the **Extract or Compose** section, click on **Content Aware Move** to open the panel.
3. Click on  to use the manual brush to select the pixels you want to move. Use the **Size** slider to set the size of the brush and then brush on the object to select its pixels. Continue this process until the entire object is selected.



Note: if there are some pixels selected that shouldn't be, click the  button and then brush these areas to deselect them. You can also hold down the Alt key on your keyboard to quickly switch to the eraser and deselect the areas.

4. Click on **Next**.
5. Drag the selected pixels to the new location in your photo.
6. If required, use the **Size** slider to change the size of the selected object.
7. Click **Apply** to set the changes. CyberLink PhotoDirector will fill in the empty space and blend the moved object in with the surrounding pixels.



Note: for best results, it is sometimes necessary to select the pixels around the object as well, and any shadow the object may have cast in the photo.


8. When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
9. Once the save is complete, click on  to return to the main menu.

Photo Merge

In the Photo Merge section you can create real HDR photos if you have multiple photos shot at different exposures. You can also make panorama images, incorporate the best faces in photos in one new photo in Face Swap, or compose a multiple exposure burst shot photo.

Bracket HDR

In the Bracket HDR* section of the Edit module you can create real HDR (high dynamic range) photos. You can do this if you have multiple versions of the same photo that were shot at different exposures. This is called bracketing, and is best achieved by taking at least three of the same photo at different exposure intervals.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

In CyberLink PhotoDirector you can use a maximum of five photos in a bracket HDR photo.




Note: if you only have one photo and want to add an HDR effect to it, you can do this in the Adjustment module. See [HDR Effect](#) for more information.

To create an HDR photo, do this:

1. Click on **Edit**.
2. In the **Photo Merge** section, click on **Bracket HDR** to open the panel.
3. Double-click on all of the photos in the photo browser panel that you want in the HDR photo. You can also drag and drop them into the photo viewer window area.
4. If required, select which photo should be the main photo. You only need to do this if one of the photos contains specific content or objects that you want to ensure is in the created photo.



Note: you can change the main photo at any time by simply clicking on the photo in the photo browser panel after the photos are merged together.

5. Click on the **Merge** button. CyberLink PhotoDirector will merge the selected photos together, creating an HDR photo.
6. If required, use the available options in the Edit panel to make adjustments to the HDR photo. See [Adjusting Bracket HDR Photos](#) for more detailed information.
7. When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
8. Once the save is complete, click on  to return to the main menu.

Adjusting Bracket HDR Photos

Once you have merged multiple photos and created an HDR photo, you can adjust it as follows:

- **Remove ghost artifacts:** if the HDR photo contains ghost artifacts, select this option to remove them. CyberLink PhotoDirector will auto select this if it is required.
- **Presets:** if required you can select an HDR preset from this drop-down instead of adjusting the sliders. Each preset will result in a different looking HDR photo.

Glow

Use these sliders to adjust the glow, or "halo" edge, on the contrast edges in the HDR photo.

- **Strength:** use this slider to adjust the amount of glow applied to the photo.
- **Radius:** use the slider to adjust the radius of the glow, or the amount of contrast applied to the edges in the photo.
- **Balance:** use the slider to adjust the balance (where glow adjustments are applied) of the glow. Moving the slider right applies them on the brighter parts (highlights) of edges. Moving it left applies them to the darker parts (shadows) of edges.

Edge

Use these sliders to adjust the contrast between the edges in the HDR photo.

- **Strength:** use this slider to adjust how detailed the edges are in the photo. Dragging it right will reveal more detail on the contrast edges. Dragging it left will blur them.
- **Radius:** use the slider to adjust the radius of the edges, or the amount of contrast applied to the edges in the photo.
- **Balance:** use the slider to adjust the balance (where edge adjustments are applied) on the edges. Moving the slider right applies them on the brighter parts (highlights) of edges. Moving it left applies them to the darker parts (shadows) of edges.

Detail

Use these sliders to adjust the overall detail in the HDR photo.

- **Luminosity:** use this slider to adjust the photo's luminosity, or which of the merged photos is displayed more in the HDR photo.
- **Contrast:** use this slider to adjust the contrast between the merged photos.
- **Highlights:** use this slider to adjust the detail in the HDR photo's brighter areas. Drag the slider left to darken, reducing the clipping in highlights. Drag it right to reveal more detail in the highlights.
- **Shadows:** use this slider to adjust the detail in the HDR photo's darker areas. Drag the slider left to darken and clip the dark colors. Drag it right to reveal more detail in the shadows.

Tone

Use these sliders to adjust the HDR photo's tone.

- **Exposure:** use this slider adjust the overall exposure of the HDR photo. A negative value darkens the colors in the photo, while a positive value lightens them.
- **Contrast:** use this slider to adjust the overall contrast of the HDR photo, or the difference between light and dark areas.
- **Saturation:** use this slider to adjust the saturation of color in the HDR photo. A negative value moves the colors towards black and white, while a positive value increases the overall intensity of color in the HDR photo.
- **Vibrance:** use this slider to make the colors in the HDR photo brighter and more vivid, by enhancing the duller colors.

Panorama

You can create a panorama* image by stitching together two or more photos.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To create a panorama image, do this:

1. Click on **Edit**.
2. In the **Photo Merge** section, click on **Panorama** to open the panel.
3. Double-click on all of the photos in the photo browser panel that you want in the panorama image. You can also drag and drop them into the photo viewer window area.
4. Once you have added all the photos you want in the panorama image, click the **Merge** button to create it.
5. When the merge is complete, adjust the position and size of the crop area to create the panorama image you want.



Note: by default, CyberLink PhotoDirector does not include any of the black areas in the crop area. However, if you expand/move the crop area and it includes some black areas, select the **Auto fill boundary** option. CyberLink PhotoDirector will fill in the black area using nearby pixels to create a complete image.

- When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
- Once the save is complete, click on  to return to the main menu.

Face Swap

Use the Face Swap* feature if you want to incorporate the best faces in two or more photos in one new photo that you can save or share with others.




Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To swap the faces in multiple photos, do this:

- Click on **Edit**.
- In the **Photo Merge** section, click on **Face Swap** to open the panel.
- Double-click on all of the photos in the photo browser panel that contain the faces you want to incorporate in the photo. You can also drag and drop them into the photo viewer window area.



Note: for the best results, the photos should have been taken in relative quick succession, i.e. with similar background and subjects.

- If required, select which photo should be the main photo. You only need to do this if one of the photos contains specific content or objects in the background that you want to ensure is in the created photo.
- Click on the **Merge** button. CyberLink PhotoDirector will take the best faces in the selected photos and use them in a new photo.
- If you'd like to change one or more of the faces being used in the new photo, ensure that **Show face frames** is selected and then click on a face frame to select a different face. Select a different face from the list and then click **OK** to use it.
- When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
- Once the save is complete, click on  to return to the main menu.

Multi Exposure

You can compose a Multi Exposure* photo by combining multiple burst shots or captured video frames of a moving subject or target object. Multiple Exposure photos can be outputted as a still photo or as an animated GIF.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

To compose a multi exposure photo, do this:

1. Click on **Edit**.
2. In the **Photo Merge** section, click on **Multi Exposure** to open the panel.
3. Double-click on all of the photos in the photo browser panel you want to use in the new photo. You can also drag and drop them into the photo viewer window area.





Note: for the best results, the photos should have been taken in relative quick succession, i.e. with similar background and a moving subject/target object.

4. Click on the **Start** button.
5. Next, first select the photo in the photo browser panel you want to use as the background in your final merged photo.



Note: if the subject/target object happens to move out of frame in the selected background photo (because the camera is panning), that frame will be removed from the merged photo.

6. Once you select the background photo, drag and resize the available box in that photo so that it outlines the moving subject/target object in the photo.
7. Click . CyberLink PhotoDirector will analyze all the photos.
8. Check each photo in the photo browser panel and ensure the box outlines the subject/target object in each. If it doesn't, move and resize the box over the target object.
9. Click on the **Merge** button to combine the photos.
10. Select one of the following output formats:
 - **Still Photo:** select this option if you want a regular multi exposure photo.

- **Animated GIF:** select this option to create an animated GIF.
11. Set the [still photo](#) or [animated GIF](#) photo **Options**.
 12. When you are done, click on the **Save to** button to save the changes you made in a virtual photo that is added to the library and browser panel.
 13. Once you are done, click on  to return to the main menu.

Still Photo Options

If you are outputting as a still photo, the following options are available:

- **Blending type:** select whether you want the subject/target object to **Fade In** or **Fade Out** in the multi exposure photo. Select **Normal** if you don't want either fade applied.
- **Number of frames:** select the number of photos or frames used in the final multi exposure photo.

Animated GIF Options

If you are outputting as an animated GIF, the following options are available:

- **Number of frames:** select the number of photos or frames used in the animated GIF.
- **Trail length:** select the length of the multi exposure trail behind the moving object in the animated GIF.
- **Frames per second:** use the slider to adjust the frame rate of the animated GIF. The higher the frame rate, the faster the animated GIF will play.
- **Total duration:** the total duration is set based on the other options. Adjust them to increase or decrease the length of your animated GIF.


Frames & Watermarks

In the Frames & Watermarks section you can create watermark templates that include frames, lines, text, images, photo information, and more. Once created, you can apply the templates to photos and then export, print, or share them on Flickr.


Using Watermark Templates

In the Watermark Templates section you can edit watermark templates and also use them to output photos in your library in a variety of ways. The watermark templates library includes predefined watermark templates and custom watermark templates you created.


To use a watermark template, do this:

1. Click on **Edit**.
2. In the **Frames & Watermarks** section, click on **Watermark Templates** to open the panel.
3. Browse through and then select the watermark template you want to use.
4. If required, hover your mouse over the selected watermark template and then click  to edit it. See the relevant sections in [Watermark Creator](#) for detailed information on editing and customizing watermark templates.



Note: at any time you can hover your mouse over a watermark template in the list and then click  to remove it.





5. Select all of the photos in the browser panel you want to apply the watermark template to, click the **Output Photo** button, and then select one of the following options:
 - **Export:** select to export your current photo with the watermark template applied, creating a new copy in the library. See [The Export Photo Process](#) for detailed information.
 - **Print:** select to print off the current photo with the watermark template applied. See [Printing Photos](#) for more information.
 - **Flickr:** select to upload the current photo to Flickr with the watermark template applied. See [Uploading Photos to Flickr](#) for more detailed information.
 - **CyberLink Cloud:** select to back up the current photo on CyberLink Cloud with the watermark template applied. See [Backing Up Photos on CyberLink Cloud](#) for more detailed information.
 - **DirectorZone:** select to share the current photo on DirectorZone with the watermark template applied, by uploading it to the DirectorZone Photo Gallery. See [Uploading Photos to DirectorZone](#) for more detailed information.


- **E-mail:** select to e-mail the current photo with the watermark template applied. See [E-mailing Photos](#) for more detailed information.
6. Click on  to return to the main menu.

Creating New Frames and Watermarks


You can create new watermark templates that include frames, lines, images, text, and photo information, in the Watermark Creator.

To create a new watermark template, do this:

1. Click on **Edit**.
2. In the **Frames & Watermarks** section, click on **Frame & Watermark Creator** to open the panel.
3. Click on the tabs to customize your watermark template as follows:
 - Click on  to add frames or lines onto your watermark template. See [Adding Frames and Lines](#) for detailed information.
 - Click on  to add text on your watermark template. See [Adding Text](#) for detailed information.
 - Click on  to add images onto your watermark template. See [Adding Images](#) for detailed information.
 - Click on  to add photo copyright and photo information on your watermark template. See [Adding Photo Information](#) for detailed information.
4. Once you are done, click on **Save Template** to save the customized watermark template. Enter a **Name** in the field provided and then click **OK**.
5. If required, you can apply the watermark template to photos in your library and output them in a variety of ways. To do this, select all of the photos in the browser panel you want to apply the watermark template to, click the **Output Photo** button, and then select one of the following options:
 - **Export:** select to export your current photo with the watermark template applied, creating a new copy in the library. See [The Export Photo Process](#) for detailed information.

- **Print:** select to print off the current photo with the watermark template applied. See [Printing Photos](#) for more information.
 - **Flickr:** select to upload the current photo to Flickr with the watermark template applied. See [Uploading Photos to Flickr](#) for more detailed information.
 - **CyberLink Cloud:** select to back up the current photo on CyberLink Cloud with the watermark template applied. See [Backing Up Photos on CyberLink Cloud](#) for more detailed information.
 - **DirectorZone:** select to share the current photo on DirectorZone with the watermark template applied, by uploading it to the DirectorZone Photo Gallery. See [Uploading Photos to DirectorZone](#) for more detailed information.
 - **E-mail:** select to e-mail the current photo with the watermark template applied. See [E-mailing Photos](#) for more detailed information.
6. Click on  to return to the main menu.

Adding Frames and Lines

When customizing a watermark template, click on  to add frames or lines on to it.

To add frames, do this:

1. In the Options section, select **Frame**.
2. If required, click on an inside corner of the frame and drag it to adjust its thickness.
3. If required, click on the frame and drag it to change its position on the photo.
4. Configure the frame settings as follows:
 - **Color:** click the button and then select the color of the frame. Click **OK** to set the color.
 - **Opacity:** use the slider to set the level of opacity for the frame.
 - **Shadow:** if required, drag the slider left or right to apply a shadow to the frame.


To add lines, do this:

1. In the Options section, select **Line**.
2. If required, click on the square node in the middle of the line and drag it to adjust its thickness.
3. If required, click on the line and drag it to change its position on the photo.
4. Select whether the line is **Vertical** or **Horizontal**.
5. Configure the line settings as follows:
 - **Color**: click the button and then select the color of the line. Click **OK** to set the color.
 - **Opacity**: use the slider to set the level of opacity for the line.
 - **Shadow**: if required, drag the slider left or right to apply a shadow to the line.

Adding Text


When customizing a watermark template, click on  to add text on to it.

To add text, do this:


1. Click on the  button. A new text box displays on the photo.
2. Click and drag the text box to the position on the watermark template where you want it located.
3. Configure the font settings as follows:
 - **Text color**: click on the button and then select the color of the text. Click **OK** to set the color.
 - **Border color**: if required, click on the button to add a colored border to the text. Select the color and then click **OK** to set it.
 - **Font**: select the type of font you want to use for the text.
 - **Font style**: select the desired font style and weight of the text from the drop down.
 - **Font size**: use the slider to set the size of the text.
 - **Opacity**: use the slider to set the level of opacity on the text.

- **Shadow:** if required, use the slider to apply a shadow to the text.


Adding Images

When customizing a watermark template, click on  to add images on to it.

To add an image onto the watermark template, do this:

1. Click on the  button.
2. Browse to and select the image you want to add, and then click on **Open**.
3. Click on the added image and place it in the required location on the watermark template.
4. Click and drag the edges of the image to resize it, as required.
5. Use the **Opacity** slider to set the amount of opacity for the added image.

Adding Photo Information

When customizing a watermark template, click on  to add copyright and photo information onto it. When photos are outputted, each photo will contain its unique individual photo information, that can include date taken, aperture, shutter speed, and more.

To add photo information, do this:

1. Select all of the Photo Information items you want to include in the watermark template. If you select the **Copyright** option, enter the copyright wording you want to include on the watermark template in the field provided.
2. Configure the Text Settings for the copyright info as follows:
 - **Text color:** click on the button and then select the font color of the text. Click **OK** to set the color.
 - **Border color:** if required, click on the button to add a colored border to the text. Select the color and then click **OK** to set it.
 - **Font:** select the type of font you want to use for the text.

- **Font style:** select the desired font style and weight of the text from the drop down.
 - **Alignment:** set the text alignment from the drop down.
 - **Font size:** use the slider to set the size of the text.
3. If there is a frame in your watermark template, select the **Show photo information on frame** option to have CyberLink PhotoDirector auto adjust the frame's width so that the copyright info will fit perfectly on the bottom of the frame.

Chapter 7:

Layers

This chapter outlines all of the tools and features of the Layers* module, where you can do advanced photo compositing to create stunning images using multiple images, text, and mask layers.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Click on the **Layers** button to begin making new photo creations.

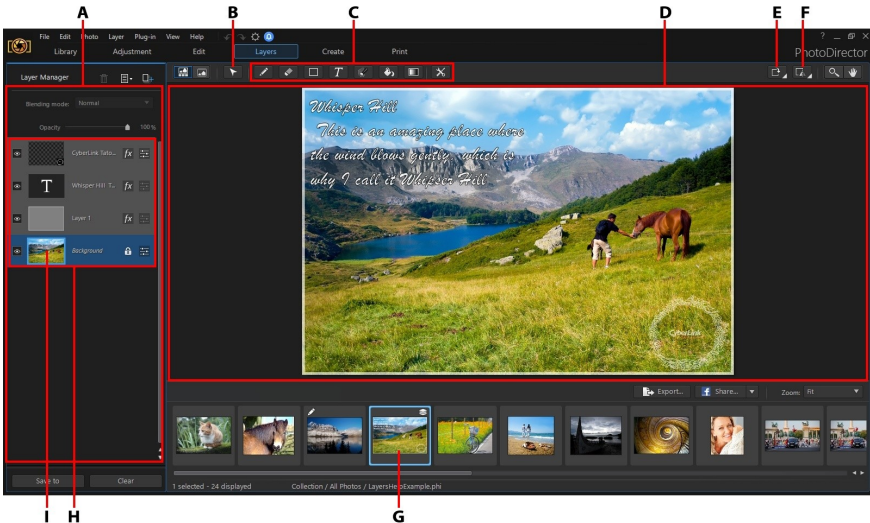


Note: before you enter the Layers module, it is recommended that you finish all the required adjustments and edits on all the photos you want to use. You can perform some adjustments on each of the photo layers, but there are less available.

When you are done creating in the Layers module, you can save (as a new photo) and share your layers project. See [Saving Layers Projects](#) for more information.

Layers Overview

With layers you can create photo composites, using a background photo and then any graphics, text, shapes, or other photos you add on top of the background. Each of these items are added as another layer of the photo, and once finished you can blend them together (if necessary), and then save, export, or share it as a new combined photo.



A - Layers Manager, B - Pick and Move Tool, C - Layer Tools, D - Editing Canvas, E - Rotate Layer, F - Flip Layer, G - Selected Photo, H - Layers, I - Background Photo

Layers

Layers are a background photo, and any photos, graphics, text, and shapes you add on top of it. Each layer you add onto your selected background photo is placed over the content below it in the Layer Manager, and may cover it if it is not transparent or blended.



Note: you can have up to 100 layers in a single PhotoDirector PHI file.

Types of Layers

The following is a list of the different types of layers that are available in the Layers module:

- **Photo layer:** photo layers are the selected background photo and any other photos, graphics, logos, etc. that you add onto the photo. Photo layers are also created if you convert a text or shape layer to an image.
- **Text layer:** text layers are added when you use the text tool.
- **Shape layer:** shape layers are added when you use the shape tool.

Background Photo

The background photo is the photo in your PhotoDirector library that you select in the photo browser panel in the Layers module. Once you select the background photo, you can then start adding layers (text, shapes, photos, graphics). Once you start adding layers onto the background, the background photo cannot be changed or moved (to a higher layer), i.e. it will always be in the background. The background photo can be duplicated, if required.

Layer Tools

The tools available in the Layers module let you draw on, add text and shapes, and more on the layers in your photo creation. See [Using the Layer Tools](#) for more detailed information.

Editing Tools

The editing tools let you move, rotate, and resize objects in a selected layer, or rotate and flip whole layers. See [Using the Editing Tools](#) for more detailed information.

Layers Example

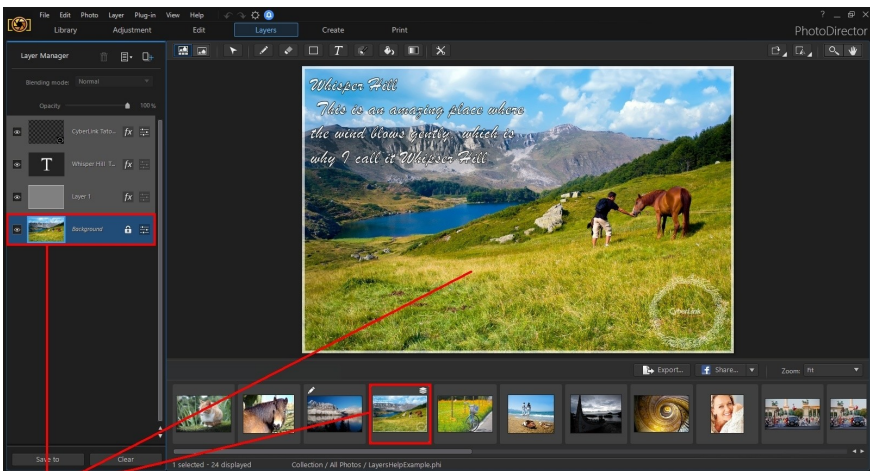
The following is an example layer project that has a background photo and three other layers: shape layer, text layer, and imported photo layer. This example will hopefully help you better understand the concept of layer editing.



Note: if you are not sure how to get started on a layer project, try [using an express template](#).

Background Photo

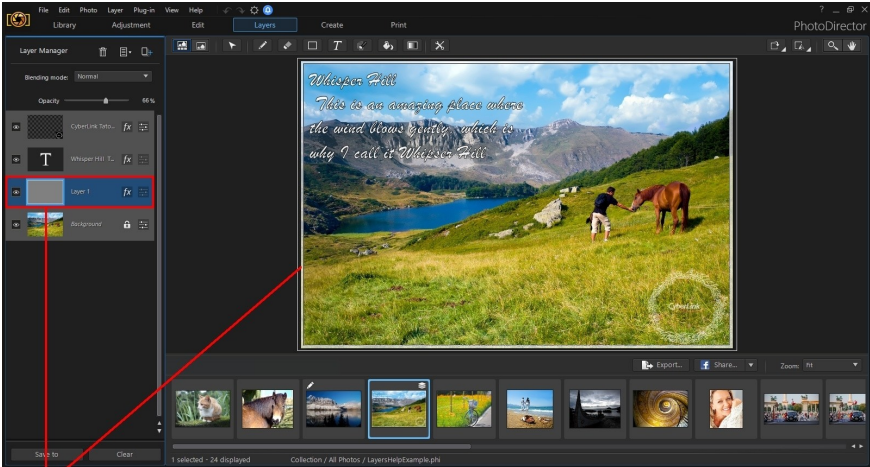
The background photo is always at the bottom of the Layers Manager, and is the photo you select in the photo browser panel.



Background Photo

Shape Layer

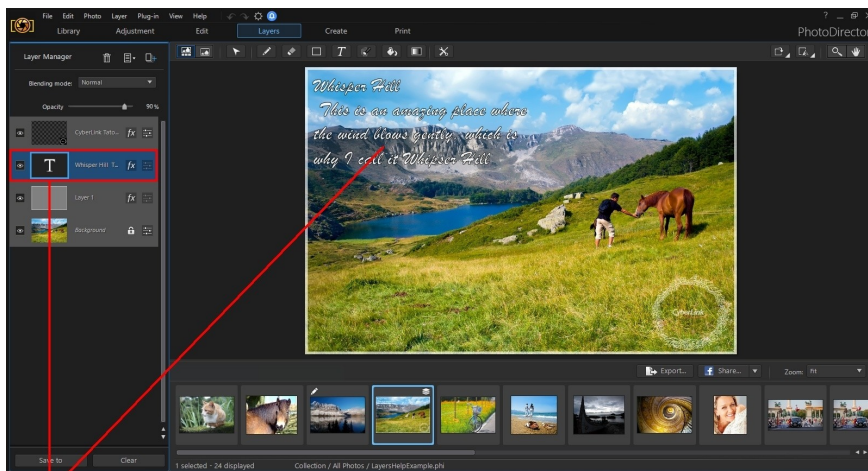
In this example, rectangle shapes were drawn and used as a border on the background photo. This was done by drawing the first rectangle, and then using the subtract from an existing shape area option to reveal the background image. See [Shape Tool](#) for more information on adding shapes.



Shape Layer

Text Layer

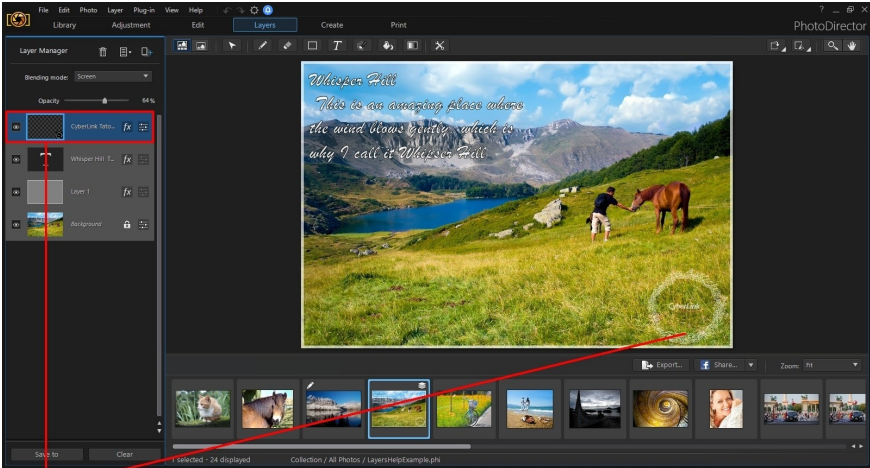
Text can be added anywhere on the background photo, and can be fully customized. See [Text Tool](#) for more information on adding text.



Text Layer

Imported Photo Layer


In this example, a CyberLink logo was imported as a new photo layer and then blended with the background using the "Screen" blend. See [Blending Layers](#) for more information about blending layers and the available blending modes.



Imported Photo Layer

Using Express Templates

Express templates are pre-designed layer templates you can use to quickly create creative photo composites. To use an express template, do this:

1. Click on the **Layers** button.
2. Select a photo in the photo browser panel to use as the background photo.
3. Click  and then select **Add Express Template**. The Add Express Template window will display.
4. Select one of the available express templates and then click **OK**.



Note: if required you can click the [Find more on DirectorZone](#) link to download more express templates from DirectorZone.

- The selected express template will be applied to the background photo.



*Note: the original background photo in the express template may be available in the applied template, but by default will be set to invisible in the layer manager. If required you can right click on it in the layer manager and select **Delete Layer** to remove it from your new layers project.*



- Once applied you can use the Layer Manager and the layer and editing tools to customize your photo composite to your requirements.

Using the Layer Manager

With the Layer Manager you can add and manage all the layers in your photo creation. By default, when you select a background photo it is the first and bottom layer in the Layer Manager.


Adding New Layers

There are several ways you can add a new layer in the Layer Manager. To add a new layer, do any of the following:

- in the Layer Manager, click  and then select **Add Empty Layer**. The empty layer is added above the selected layer in the Layer Manager. In an empty layer you can use the layer tools to add text, shapes, and more.
- in the Layer Manager, click  and then select **Add Photo Layer**, if you want to add a photo, logo, or other graphic above a selected layer. Select where the photo you want to add is (in a folder on your computer, in the browser panel, or in the [background removal](#) gallery), the photo you want to add, and then click **Open** to add it in the newly added layer.



Note: you can also add a new photo layer by dragging a photo from the photo browser panel and dropping it on the editing canvas.

- select a layer in the Layer Manager, click , and then select **Duplicate Layer** if you want to make a copy of an existing layer. You can also do this by right clicking on the layer in the Layer Manager and selecting **Duplicate Layer**.



*Note: you can also duplicate a layer by right clicking on it in the Layer Manager, selecting **Copy Layer**, and then **Paste Layer**. You can use this method to also copy and paste layers from a saved layers project onto a new background photo.*

New layers are also added for you automatically if you:

- add text or shapes onto the background photo or imported photo layer.
- add shapes onto an existing shape layer, when the create new shape layer option is selected.
- add text onto an existing shape layer.
- drag a photo in the photo browser panel and drop in on the editing canvas.


Once you have added a new layer, use the Layer Manager to do any of the following:

- [Adjusting Photo Layer](#)
- [Adjusting Layer Opacity](#)
- [Adding Shadows and Borders](#)
- [Blending Layers](#)
- [Managing Layers](#)

Adding PHI Files

PHI files are previously saved PhotoDirector layer project files saved in the .PHI format. These files can be added as a new layer in a current layers project.

To add a PHI file as a new layer, do this:

1. Click on the **Layers** button.
2. Select a photo in the photo browser panel to use as the background photo.
3. Click  and then select **Add PHI File**.
4. Select the .PHI file on your computer that you want to add and then click **Open**.

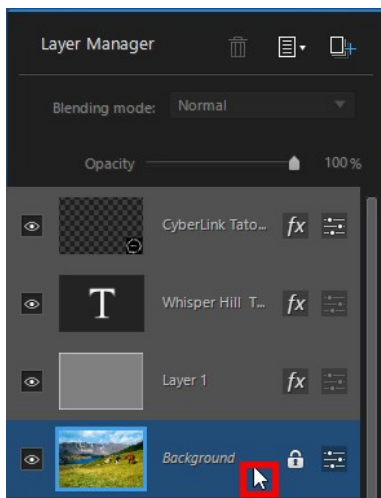
Adjusting Photo Layer

For the background photo layer and any imported photo layers, you can adjust the photo using some select tools from the Adjustment module. To adjust photo layers, do this:




Note: it is recommended that you finish all the photo adjustments before entering the Layers module instead, as there are more adjustment options available.

1. Select the photo layer in the Layer Manager.



Note: you can also use the [Blur Tools](#) on a selected photo layer. To do this, select **Plug-in > Blur Tools** from the PhotoDirector menu.

2. Right click on the photo layer and then select **Adjust Layer**, or click on the  button. The Adjust Layer window displays.



Note: all the other layers are invisible when you enter the Adjust Layer window, so you can focus on adjusting the photo. If required, select the **Preview with all layers** option to view all the layers with your recent adjustments applied.

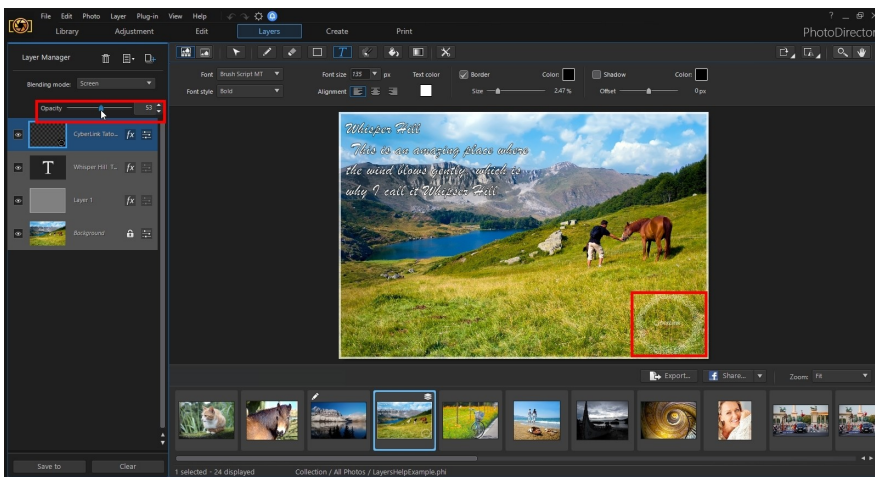
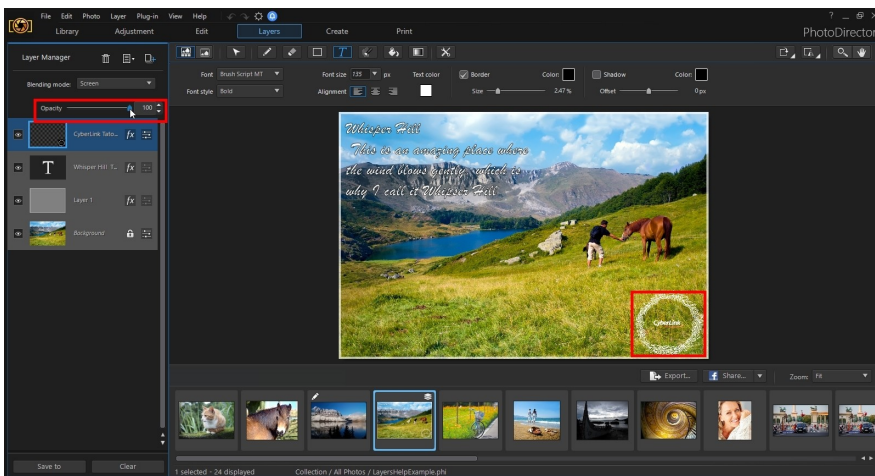
3. Use the available controls to make adjustments to the photo layer. See the relevant sections in [Global Adjustment Tools](#) for detailed information on how to use these adjustments.
4. Click **OK** to save your adjustments to the photo layer.



Note: once you close the window, the adjustments are applied and cannot be edited by reentering the Adjust Layer window. If you want to remove the adjustments, you'll need to press **Ctrl+Z** on your keyboard to undo the changes.

Adjusting Layer Opacity


You can adjust the opacity of any of the layers in the Layer Manager, except the background layer. To do this, just select the layer and then use the slider at the top of the Layer Manager.



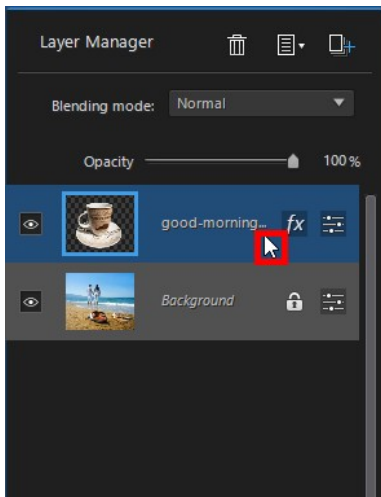
Adding Shadows and Borders

You can add drop shadows and borders to selected layers in the Layer Manager. To add shadows and borders to layers, do this:

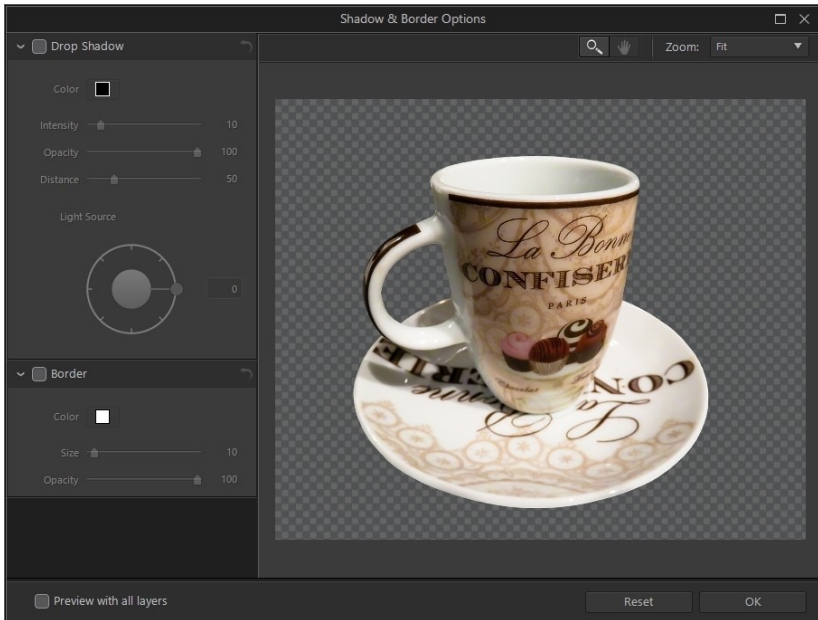


Note: if you want to add a shadow or border to the background layer, you must first click  to unlock it.

1. Select a layer in the Layer Manager.



2. Click on the  button. The Shadow & Border Options window displays.



Note: *all the other layers are invisible when you enter the Shadow & Border Options window, so you can focus on adding the shadow and border. If required, select the **Preview with all layers** option to view all the layers with your shadow and border applied.*

Adding a Drop Shadow to a Layer

To add a drop shadow to a selected layer, do this:

1. In the Shadow & Border Options window, select the **Drop Shadow** option.
2. Choose the **Color** of the shadow by clicking the colored box and then selecting the color in the Color Picker window.
3. Customize the shadow settings as follows:
 - **Intensity:** use the slider to adjust the intensity or overall strength of the shadow.
 - **Opacity:** use the slider to adjust the opacity of the shadow.

- **Distance:** use the slider to set the distance from the layer object.
4. Use the **Light Source** control to set the direction of the shadow.
 5. Click **OK** to apply the shadow to the layer.

Adding a Border to a Layer

To add a border to a selected layer, do this:

1. In the Shadow & Border Options window, select the **Border** option.
2. Choose the **Color** of the border by clicking the colored box and then selecting the color in the Color Picker window.
3. Customize the border settings as follows:
 - **Size:** use the slider to adjust the size or thickness of the border.
 - **Opacity:** use the slider to adjust the opacity of the border.
4. Click **OK** to apply the border to the layer.

Blending Layers

In the Layer Manager, select a **Blending mode** from the drop down to specify how a selected layer is blended with the layers below it. You do this to make parts of the layer transparent, and in effect combining it with the other layers.

There are 24 blending modes to choose from, with each having a different effect on your photo creation. Below is a general description of each blending mode, but it is recommended that you select each to experiment which best fits the needs of your photo. You can also hover your mouse over each blending mode to see a preview of the applied effect.

Normal

Normal is the default blending mode and does not mix the pixel colors in the selected layer with the layers below it in the Layer Manager. The pixels in the selected layer are placed over the pixels in the lower layers, and are not blended.

Dissolve

Use Dissolve to blend the pixels in the layers together, with the result being dependent on the opacity of each specific pixel in the layer.

Darken

The Darken blending mode retains the darkest pixel of all the layers being blended.

Multiply

Multiply blending mode retains the darkest pixel colors of the selected layer, and removes the lightest pixels by making them transparent.

Linear Burn

Linear Burn darkens the below layer colors to reflect the selected layer by decreasing the brightness. If blended with white, there is no change.

Color Burn

The Color Burn blend mode makes dark pixels darker, and blends all light colored pixels together so that they remain bright.

Darker Color

Darker Color uses the lower color value in the blend after comparing the total of all channel color values for the selected layer and the layers below it.

Lighten

The Lighten blending mode retains the lightest pixel colors of all the layers being blended.

Screen

Screen blending mode is the opposite of Multiply, as the brightest pixels are retained, with the darkest pixels effectively becoming transparent.

Linear Dodge

Linear Dodge brightens the below layer colors to reflect the selected layer by increasing the brightness. If blended with black, there is no change.

Color Dodge

The Color Dodge blending mode essentially has the reverse effect of Color Burn. Darker pixels are blended together so that they remain dark, while lighter pixels are made brighter.

Lighter Color

Lighter Color uses the highest color value in the blend after comparing the total of all channel color values for the selected layer and the layers below it.

Overlay

Overlay combines the effects of the Multiply and Screen blending modes. When blending the layers, for darker pixels it blends like Multiply. For lighter pixels, it blends like Screen.

Linear Light

The Linear Light blending mode combines the effects of Linear Burn and Linear Dodge. When blending the layers, for darker pixels it blends like Linear Burn. For lighter pixels, it blends like Linear Dodge.

Hard Light

The Hard Light blending mode is similar to Multiply and Screen, depending on the color of the pixels being blended.

Soft Light

The Soft Light blending mode lightens or darkens the photo's color, depending on the color of the pixels being blended.

Vivid Light

If pixels in the selected layer are lighter than 50% gray, Vivid Light will make the photo lighter by reducing the contrast. If it's darker than 50% gray, it will become darker.

Pin Light

If pixels in the selected layer are lighter than 50% gray, Pin Light blending mode will replace the darker pixels in the below layers with the pixels from the selected layer. If they are darker than 50% gray, the lighter pixels are replaced.

Hard Mix

The Hard Mix blending mode changes all the colors in your photos to one of the primary colors, or white or black, depending on the total channel value for the pixels in all the layers.

Difference

Difference subtracts the brightest pixel color value from the pixel colors in the other layers. The resulting effect is similar to the look of a film negative, but is more colorful.

Exclusion

The Exclusion blending mode blends similarly to the Difference blending mode, but with a lower contrast.

Subtract

This blending mode subtracts the color values in the selected layer from the below layers.

Divide

This blending mode divides the color values in the selected layer from the below layers.

Hue

Use the Hue blending mode to blend just the hue from the selected layer's pixels with the lightness and saturation of the below layers' pixels.

Saturation

The Saturation blending mode blends just the saturation from the selected layer's pixels with the lightness and hue of the below layers' pixels.

Lightness

Use the Lightness blending mode to blend just the lightness from the selected layer's pixels with the hue and saturation of the below layers' pixels.

Color

Use the Color to blend the hue and saturation in the selected layer, with the luminance of selected layers.


Managing Layers

The following are some other layer management options you can use within the Layer Manager.

Renaming Layers

At any time you can right click on any layer that is not the background layer and then select **Rename Layer** to give it a custom name. This can help you more easily identify layers in the Layer Manager when your project contains a lot of layers.

Deleting Layers

If you need to delete a layer in the Layer Manager, just select it and then click the  button. The background layer cannot be deleted.

Making Layers Invisible

You can make one or more layers in the Layer Manager invisible. You may want to do this to get a clearer look at another layer, or if you want to merge or export just the visible layers. To make a layer invisible, just deselect the visible icon for the layer in the Layer Manager.



Converting Layers to Images

Right click on a non photo layer and select **Convert to Image** to create a virtual photo for that layer. Doing this allows you to use certain layer tools on a text or

shape layer, and also gives you the option to edit the created layer like other photo layers.

Merging Layers

You can merge some or all of the layers in the Layer Manager if you:

- are finished editing a layer.
- have too many layers in the Layer Manger. Merging layers can make your layer editing more manageable.
- want to reduce the overall PHI file size.
- want all the layers to become one image.



Note: once layers are merged, they can no longer be edited.

To merge two or more layers, hold down the Ctrl key on your keyboard and then select the layers in the Layer Manager, right click, and then select **Merge Layers**. Select **Merge Visible** if you want to merge all of the visible layers. Select **Merge All** to merge all of the layers in the Layer Manager.


Using the Layer Tools

You can use the layer tools available in the Layers module to draw on, add text and shapes, and more on the layers in your photo creation. The following layer tools are available:

- [Pen Tool](#)
- [Eraser Tool](#)
- [Shape Tool](#)
- [Text Tool](#)
- [Select Area Tool](#)
- [Fill Tool](#)
- [Gradient Tool](#)

- [Blur Tool](#)

Pen Tool

The pen tool lets you draw colored pixels on a photo layer using the pencil, brush, or air brush. Click on the  button to begin using the pen tool.




Note: if you try to use the pen tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the pen tool, do this:

1. From the **Select tool** drop down, select one of the available tools. The **Pencil** and **Brush** tool can be used like traditional drawing tools to draw lines or apply color by dragging your mouse on the editing canvas. The **Air Brush** is similar to a spray can, as you hold down the mouse button and move the mouse pointer, the color builds up on the editing canvas.
2. Use the **Size** slider to set the size of the drawn line.
3. Use the **Opacity** slider to set the opacity level of the drawn line.
4. Select a **Blending mode** from the drop down to set how the drawn lines are blended with the background layers. See [Blending Layers](#) for more information about blending layers and a description of each blending mode.
5. Click on the **Color** square to set the color of the drawn line. You can select one of the basic colors, or click in the color picker or use the slider to choose a color. You can also manually enter the color code in the HSB, RGB, or # fields to set the color. Once you set the color, click **OK** to close the Color Picker window.
6. Draw on the editing canvas as required.

Eraser Tool

The eraser tool lets you erase pixels on a photo layer. Click on the  button to begin using the eraser tool.




Note: if you try to use the eraser tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the eraser tool, do this:

1. From the **Select tool** drop down, select one of the available tools. The **Eraser (Pencil)** and **Eraser (Brush)** tool can be used like traditional drawing tools to erase pixels by dragging your mouse on the editing canvas. The **Eraser (Block)** is similar, but the erased line result is square.
2. Use the **Size** slider to set the size of the erased line.
3. Use the **Opacity** slider to set the opacity level of the erased line. If set to 100, the eraser tool makes the pixels on the selected layer completely transparent.
4. Draw on the editing canvas as required to erase pixels.

Shape Tool

The shape tool lets you add shapes on your photo creation. Click on the  button to begin using the shape tool. Please note that the shape on this button changes, based on the last shape added on a photo.



Note: if you try to add a shape onto a photo layer, CyberLink PhotoDirector automatically creates a new layer in the Layer Manager.

To use the shape tool, do this:



Note: once you add a shape on the editing canvas, you can use the [Pick and Move Tool](#) to move, resize, or rotate it.

1. From the **Select shape** drop down, select one of the available shapes. You can draw a **Rectangle**, **Ellipse**, **Polygon**, or **Star**.
2. Set the shape tool options as required. See the relevant [Shape Tool Options](#) description below for more details.
3. Set the shape area options as required. See [Shape Area Options](#) for more details.
4. Click on the **Color** square to set the color of the shape. You can select one of the basic colors, or click in the color picker or use the slider to choose a color. You can also manually enter the color code in the HSB, RGB, or # fields to set the color. Once you set the color, click **OK** to close the Color Picker window.
5. Click and drag on the editing canvas to create a custom sized shape as required.



*Note: when adding rectangles or ellipses you can just click on the editing canvas to create a shape with the specified **Width** and **Height**.*

Shape Tool Options

Depending on the type of shape you select, the shape tools vary.

Rectangle

When creating rectangles, the following shape tool options are available:

- **Width, Height:** indicates the size in pixels of created rectangles. You can also manually enter a custom rectangle size in these fields, and then just click on the editing canvas to create one that size.
- **Round corners:** when enabled, the created rectangles have round corners. In the **Radius** field enter the radius of the round corners. The higher the number, the more circle like your rectangle will become.
- **From center:** when enabled, the rectangle is created from the center out when you click and drag your mouse on the editing canvas.

Ellipse

- **Width, Height:** indicates the size in pixels of created ellipses. You can also manually enter a custom ellipse size in these fields, and then just click on the editing canvas to create one that size.
- **From center:** when enabled, the ellipse is created from the center out when you click and drag your mouse on the editing canvas.

Polygon


- **Sides:** enter in how many sides you want the created polygons to have. It must be a number between 3 and 100.

Star


- **Points:** select how many points you want the created star to have. It must be a number between 3 and 100.
- **Indent:** indicates the depth of the indents between the points of the star. For example, an indent of 50% will be half the size of the created star.

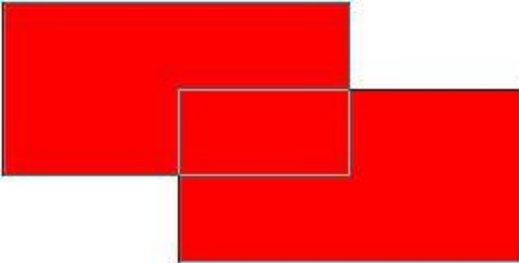
Shape Area Options


Before creating the shape, be sure to select one of the following shape area options:

-  - when selected, the new shape is added to its own layer in the Layer Manager.




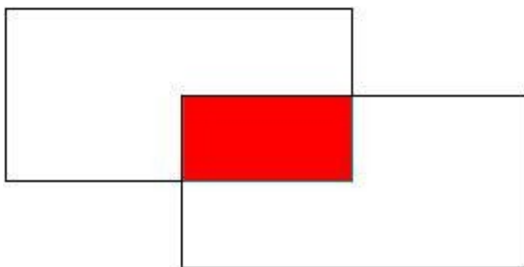
-  - when selected, you can add a new shape to a selected shape layer. Use this to add more than one shape to a selected layer.




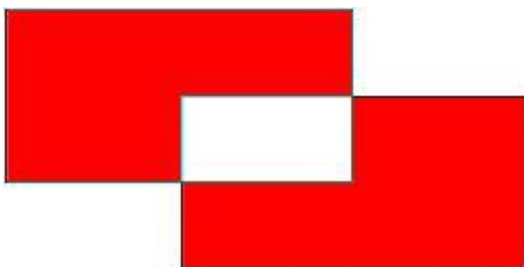
-  - when selected, you can subtract from an existing shape on a selected shape layer. Use this to make a transparent shape that reveals part of the background photo.




-  - when selected, you can draw two shapes, and only the area that intersects is colored in on the shape layer.



-  - when selected, you can draw two shapes, and the area that intersects is transparent in the shape layer.



Text Tool

The text tool lets you add text on your photo creation. Click on the  button to begin using the text tool.



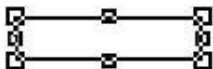
Note: if you try to add text onto a photo layer, CyberLink PhotoDirector automatically creates a new layer in the Layer Manager.

To use the text tool, do this:



Note: once you add text on the editing canvas, you can use the [Pick and Move Tool](#) to move, resize, or rotate it.

1. Click on the editing canvas to add a text box.



2. If required, you can first resize the text box to fit the text you want to enter.



3. Set the text font, style, size, and alignment. You can click on the **Text color** square to set the color of the text. You can select one of the basic colors, or click in the color picker or use the slider to choose a color. You can also manually enter the color code in the HSB, RGB, or # fields to set the color. Once you set the color, click **OK** to close the Color Picker window.

4. Enter the required text in the text box.



5. If required, select the **Border** option to add a border to the text. Once selected, choose the **Color** and then use the slider to see the **Size** of the border.




6. If required, select the **Shadow** option to apply a drop shadow to text. Once selected, choose the **Color** of the shadow, and then use the **Offset** slider to set how far it is from the text.



Note: you can [apply more advanced shadows](#) on a text layer in the Layer Manager.

Once you set the text, you can click on the text layer in the layer manager to enable the editing options, or if you want to move it to another position on the editing canvas.


Select Area Tool









The select area tool lets you select pixels on a photo layer, allowing you to edit or remove just the selected pixels from your photo creation. Click on the  button to begin using the select area tool. Please note that the icon on the select area tool button changes, based on the last select area tool used.



Note: if you try to use the select area tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the select area tool, do this:

1. Choose the **Select tool** you want to use:
 -  - with the rectangle selection tool you can click and draw on the editing canvas to select a rectangular/square area.



-  - with the elliptical selection tool you can click and draw on the editing canvas to select an elliptical/circular area.
 -  - select this button, or click the little triangle and then select **Lasso** to use the lasso selection tool. This tool allows you to draw a freeform selection area. Just use it to draw a freeform shape around the pixels you want to select. If you don't close the freeform shape, a straight line is drawn between the two end points.
 -  - select this button, or click the little triangle and then select **Smart Lasso** to use the smart lasso selection tool. This tool allows you to draw a selection area by clicking on the edge of an object or area, and then dragging the lasso around it. To close the selection, just click on the node added at the started point. Once added, these nodes can be moved to more accurately select the pixels.
 -  - select this button, or click the little triangle and then select **Brush** to use the manual selection brush. This brush allows you to manually click on pixels to select them.
 -  - select this button, or click the little triangle and then select **Smart Brush** to use the smart selection brush. When you click on an area in the editing canvas with this brush, it will auto select the similar pixels for you.
 -  - the magic wand selection tool lets you select all of the similarly colored pixels in the layer. Use the **Tolerance** slider to set selection strength of the magic wand. Dragging the slider right will result in more dissimilar pixels being selected in the photo. See [Magic Wand Selection Options](#) for a description of the other selection options available for the magic wand.
2. Choose the **Selection mode** you want to use to make the selection:
-  - use this selection mode to add to any existing selections, or if you want to select more than one area of the photo layer.
 -  - use this selection mode to deselect some of the selected pixels.
3. If using the **Brush** or **Smart Brush**, you can use the **Size** slider to set the size of the brushed area.
4. Use the **Feather** slider to set the transition level between the area being selected and the pixels around the area.





Note: you can use the [gradient tool](#) in a selected area. For the best results, ensure the **Feather** value is not set too high. The **Feather** slider is not available when using the magic wand selection. See below for a description of the extra [magic wand selection options](#).

- When you are ready, start using your selected tool to start selecting the pixels as required.



Note: once you have selected the pixels you want, you can click  to invert the selection, or  to clear the selection if required.


- When your selection is done, you can perform the action you want, including:
 - clicking the  button or pressing the Delete button on your keyboard to delete the selected pixels, making that area transparent.
 - clicking on  to adjust just the selected pixels. See [Adjusting Photo Layer](#) for more details.
 - use the fill tool to fill in the selected area with a solid color. See [Fill Tool](#) for more details.
 - use the gradient tool to add a gradient fill in the selected area. See [Gradient Tool](#) for more details.

Magic Wand Selection Options

When using the magic wand selection tool, the following extra options are available:

- **Sample all layers:** select this option if you want to select pixels in all of the layers with the magic wand. Deselect this option if you only want to select pixels in the currently selected layer.
- **Anti-alias:** select this option to smooth out otherwise jagged edges in your selection.
- **Contiguous:** select this option if you only want to select adjacent pixels, i.e. the pixels of similar color that are in contact with the pixel you select. If this option is not selected, CyberLink PhotoDirector will select all pixels that are similar in color to the pixel you select.
- **Show feather:** select this option for a better view of the selected areas, so it is easier to see the transition level between the area being selected and the pixels around the area.

Fill Tool

The fill tool lets you fill in with color an area on your photo that has pixels of a similar color. Click on the  button to use the fill tool.



Note: if you try to use the fill tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the fill tool, do this:


1. Click on the **Color** square to set the color you want to use. You can select one of the basic colors, or click in the color picker or use the slider to choose a color. You can also manually enter the color code in the HSB, RGB, or # fields to set the color. Once you set the color, click **OK** to close the Color Picker window.
2. Select a **Blending mode** from the drop down to set how the filled in color is blended with the background layers. See [Blending Layers](#) for more information about blending layers and a description of each blending mode.

3. Use the **Tolerance** slider to set how the color is filled in. The lower the tolerance, the less affected the nearby pixels are to the fill. The higher the tolerance, the surrounding pixels are more affected by the fill.
4. Use the **Opacity** slider to set the opacity level of the filled in color.
5. Select the **Contiguous** option if you only want the color filled in the adjacent pixels, i.e. the pixels of similar color that are in contact with the pixel you select. If this option is not selected, CyberLink PhotoDirector will fill all pixels that are similar in color to the pixel you select.
6. Click on the similar colored pixels to fill them in as required.



*Note: you can also use the fill tool in an area selected with the select area tool. For the best results, ensure the **Feather value** is not set too high.*

Gradient Tool

The gradient tool lets you add a gradient fill in a selected area, or across an entire photo layer. Click on the  button to use the gradient tool.



Note: if you try to use the gradient tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the gradient tool, do this:

1. Select the **Gradient type** you want to use. You have five to choose from.
2. Click and drag on the selected photo layer to add and set the direction of the gradient. You can adjust the gradient direction at any time by clicking and dragging the +.



*Note: you can deselect the **Show direction line** option to hide the line that illustrates the gradient direction for a clearer look at the results.*

3. Select the two **Color** squares to set the foreground and background colors used in the gradient. You can select one of the basic colors, or click in the color picker or use the slider to choose a color. You can also manually enter the color code in the HSB, RGB, or # fields to set the color. Once you set the color, click **OK** to close the Color Picker window.
4. Use the **Opacity** slider to set the opacity level of the gradient.

5. Select a **Blending mode** from the drop down to set how the gradient colors are blended with the background layers. See [Blending Layers](#) for more information about blending layers and a description of each blending mode.



Note: you can also use the gradient tool in an area selected with the [select area tool](#). For the best results, ensure the **Feather** value is not set too high.


Blur Tool

Within the Layers module you can use the blur tool to create a blur effect on a selected layer.



Note: if you try to use the blur tool on a non photo layer, CyberLink PhotoDirector will ask you to convert the layer to an image to continue.

To use the blur tool, do this:

1. Select the layer you want to apply the blur effect to.
2. Click on the  button and then select **Blur Tool** to open the Blur Tools window.
3. Use the blur tools to apply a blur effect. See [Blur Tools](#) for a detailed description of how to use these tools.




Note: all the other layers are invisible when you enter the Blur Tool window, so you can focus on creating the effect on the selected layer. If required, select the **Preview with all layers** option to view all the layers with the blur effect applied.

4. Click **OK** to save your changes and apply the blur to the selected layer.


Using the Editing Tools

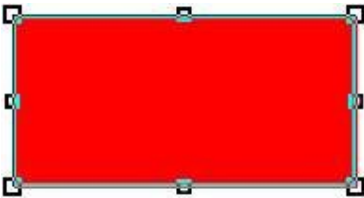
When in the Layers module, there are three extra editing tools available for you to use.

Pick and Move Tool

Click the  button to move, rotate, or resize photos, shapes, and text on the editing canvas. You can also use it to distort/change the shape of photos. There are two transform modes available when using this tool.

Scale Transformation

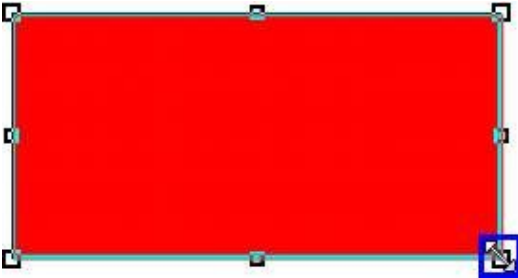
Click  to move, resize, or manually rotate the selected layer (photos, shapes, and text). When clicked, selection nodes appear around the object on the selected layer.



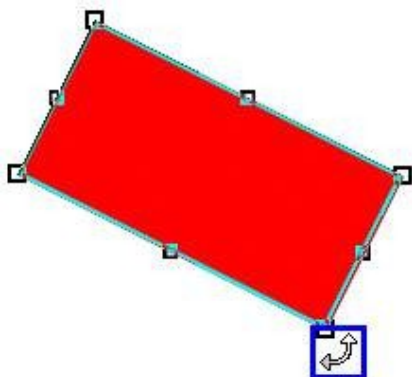
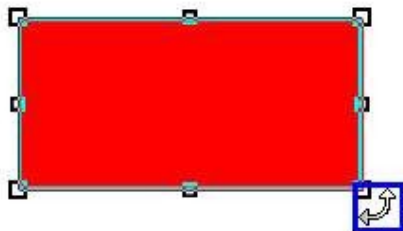
To move the object, just hover your mouse over it. When your cursor turns into the hand, click and move the object to a new location on the editing canvas.




To resize the object, click and drag any of the selection nodes.



To rotate the object, hover your mouse close to any of the selection nodes. When your cursor turns into a curved arrow, click and drag on the editing canvas to rotate the object.




Distort Transformation

Click  to distort or change the shape of a selected photo layer. When clicked, distort nodes appear on the corners of the selected photo layer.



Click and drag the distort nodes to change the shape of the selected photo layer as required.



Click  to save the changes and set the changed photo shape.

Rotate Tool

The rotate tool, located on the right side of the layers window, lets you rotate the entire canvas, or just a selected layer. Click the triangle in the bottom right of the rotate tool button and then select one of the following options:



Note: please note that the icon on the rotate tool button changes, based on the last rotate tool used.

- **Rotate Right 90 Degrees:** rotates the entire canvas and all of its layers 90 degrees clockwise.
- **Rotate Left 90 Degrees:** rotates the entire canvas and all of its layers 90 degrees counterclockwise.
- **Rotate Layer Right 90 Degrees:** rotates the selected layer 90 degrees clockwise.

- **Rotate Layer Left 90 Degrees:** rotates the selected layer 90 degrees counterclockwise.

Flip Tool

The flip tool, located on the right side of the layers window, lets you flip the entire canvas, or just a selected layer. Click the triangle in the bottom right of the flip tool button and then select one of the following options:



Note: please note that the icon on the flip tool button changes, based on the last flip tool used.

- **Flip Horizontally:** flips the entire canvas and all of its layers horizontally.
- **Flip Vertically:** flips the entire canvas and all of its layers vertically.
- **Flip Layer Horizontally:** flips the selected layer horizontally.
- **Flip Layer Vertically:** flips the selected layer vertically.

Saving and Sharing Layers Projects

When you are done creating your photo composite in the Layers module, click the **Save/Share** button at the bottom of the Layers module and then:

- select **Save as a New Photo File** to save your creation in the .JPG, .PHI, .PNG, or .TIF format. See [The Export Photo Process](#) for more detailed information.
- select **Save as a PhotoDirector Layer File** to save it directly in the .PHI format, a file format that is used exclusively by CyberLink PhotoDirector. PHI files can be edited further in the Layers module of PhotoDirector, and even viewed (as an image file) in some other CyberLink programs, such as PowerDirector.



Note: only the visible layers will be saved in the new photo file.

- select **Save as an Express Template** to save your creation in a template you can use again on another photo, or share on DirectorZone.

- Select **Share to** to share your new photo on Flickr and more. See [Sharing Photos](#) for more detailed information.

Saving and Sharing Express Templates

To save a layers project as an express template, do this:

1. Click the **Save/Share** button and then select **Save as an Express Template**.



Note: only the visible layers will be saved in the express template.

2. In the Save Express Template window, enter the information as follows:

- **Name:** give the express template a name.
- **Description:** enter a short description of your express template.
- **Tags:** enter some keyword search tags that will help users find the express template when searching for it on DirectorZone.
- **Share this express template on DirectorZone:** select this option to share your express template with other users on DirectorZone.

3. Click **Next**.



Note: if you chose not to share the express template, your express template will be saved and made available in the Add Express Template window.

4. If required, sign into DirectorZone and then click **Next**.
5. Review DirectorZone's copyright disclaimer, select **I have confirmed the above disclaimer**, and then click **Next**.
6. The express template will be uploaded. Click **Close** to return to the Layers module.


Chapter 8:

Creating

Click the **Create** button to use your photos to create dazzling photo slideshows, fun animated GIFs, and cool Motion Stills™. These photo creations can be saved and shared with others.



Creating Photo Slideshows


To create a photo slideshow, do this:

1. In the project library, select the collection/folder/album or keyword tag that contains the photos you want to include in your slideshow.
2. Click on **Create** and then  to access the slideshow tab.
3. In the photo browser panel, drag the photos you want to include in the slideshow to the preview window.



Note: you can rearrange the photo order by dragging each photo to a new position, as required.

4. Click the  button to add text captions on photos in your slideshow. You can also combine with color boards to create titles and credits.
5. Click the  button to add a color board, or blank colored slide into the slideshow. Color boards let you insert a break into your slideshow, or you can use them for titles and credits. Select the color of the color board from the color panel, and then click **Add Color Board**.
6. Set the slideshow **Style** as follows:
 - **Effect:** select the effect used in the slideshow. **Fade** adds a fade in and fade out effect between the photos in your slideshow. **Wipe Left Soft** uses a wipe effect between slides. **Motion** adds pan and zoom effects to make your slideshow more engaging with the appearance of motion.
 - **Aspect ratio:** select the aspect ratio of the slideshow.

- **Background music:** select this option if you want to add background music to your slideshow. Click  and select the music file you want to use as the background music in your slideshow.
 - **Duration:** select the duration you want each photo displayed, before progressing to the next photo in the slideshow. Select **Fit to Music** to set the length of the slideshow to match the duration of the select background music.
7. Click the play button to preview the slideshow. When you are satisfied with the result, you can [produce the slideshow as a video file](#), or [upload it to YouTube](#).

Producing Slideshows

You can produce* your photo slideshows and export them as video files in the MPEG-4* or WMV format.

To produce a slideshow, do this:

1. Click the **Produce** button.
2. Specify the **Output folder**, or the location where the produced video file is saved.



*Note: if you have a CyberLink Cloud subscription, select the **Upload a copy to CyberLink Cloud*** option if you also want the program to upload the produced file to your CyberLink Cloud storage space after production.*

3. Select the video output format (MPEG-4 or WMV) by selecting the corresponding button.
4. Select the video file **Profile** you want to use from the drop-down.
5. If required, set the **Audio format** for the audio in the outputted video file.
6. Click **Produce** to begin. CyberLink PhotoDirector proceeds to produce and create the slideshow video file.
7. Click **OK** when production is complete.



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

Sharing Slideshow Videos on YouTube

You can share a slideshow by uploading it to YouTube. During the upload process, CyberLink PhotoDirector first produces it as a high quality video suitable for YouTube.

To share a slideshow video on YouTube, do this:

1. Once you are done creating your slideshow, click **Share**.
2. Enter your YouTube account **Username** and **Password**, and then click **Sign In** to continue. If you need to create a YouTube account, click the **Get an account** link.



Note: select the **Remember me** check box if you want CyberLink PhotoDirector to save your username and password so you won't have to enter them next time, and skip automatically to the next window.

3. In the next upload window, select the **Quality** of the produced video, and then specify where the produced file is stored on our computer. Click **Next** to continue.



Note: select **Remove output file after upload** if you want CyberLink PhotoDirector to delete the produced slideshow video file from your computer after it is uploaded to YouTube.

4. In the next wizard window, enter the details about your video as follows:
 - **Title:** enter the title of your slideshow video.
 - **Description:** enter in a short description of your slideshow video.
 - **Tags:** enter in several tags, separated by a comma, that describe your video. Tags are keywords that people can search for on YouTube.



Note: you must enter a title, description, and at least one tag before you can upload your video.

- **Category:** select the relevant video category type from the available list.
- select whether to share your video with the world (**Public**) or set it as **Private**.



Note: select the **Share this video on DirectorZone** option if you want to share the slideshow video on DirectorZone as well.

- Click **Next** to continue to the copyright and disclaimer window. Verify that your media is not copyrighted and then click **Next** to begin the upload process.
- Once the upload process is done, click on **Close** to close the wizard window and return to CyberLink PhotoDirector.


Creating Animated GIFs

You can take multiple burst shots or captured video frames and create an animated GIF*.





*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To create an animated GIF, do this:

- Click on **Create**.
- Click on the  tab to open the animated GIF feature.
- Double-click on all of the photos in the photo browser panel you want to use in the new photo. You can also drag and drop them into the photo viewer window area.









Note: for the best results, the photos should have been taken in relative quick succession, i.e. with similar background and a moving subject/target object.

- Use the **Frames per second** slider to set the animated GIF's playback speed. By decreasing the frame rate, you will increase the **Total duration** of the animated GIF.
- If required, click the  button to add text to your animated GIF. See [Using the Text Editor](#) for detailed information.
- Click the play button to view a preview of your animated GIF.
- When you are done, click on the **Save to** button to [save the changes you made in a new photo file](#).
- Once you are done, click on  to return to the main menu.

Using the Text Editor


To add text on animated GIFs, do this:

1. Click the  button on the **GIF** tab, and then click .
2. Type the required text in the added text box.
3. Ensure the added text is highlighted, and then customize the font text as follows:
 - **Text color:** click on the colored square to set the text color. If you want your text to be transparent, i.e. colorless, select  in the Color window. Once you select the color, click **OK** to close the Color window.
 - **Border color:** click on the colored square to set the text's border color. If you don't want your text to have a border color, select  in the Color window. Once you select the color, click **OK** to close the Color window.
 - **Font:** select the font face from the drop-down.
 - **Font style:** select the font style from the drop-down, i.e. whether you want the text to be bold, italic, etc.,.
 - **Font size:** use the slider to set the size of the text.
 - **Opacity:** use the slider to set the opacity of the text.
 - **Shadow:** use the slider to adjust the text's shadow. If you don't a shadow, set the slider to 0.
4. If required, you can click  to add additional text on the animated GIF.
5. When you are done, click  to return to the **GIF** tab.

Saving Animated GIFs

Once you are done [creating an animated GIF](#), to save it do this:

1. Click the **Save to** button.

2. In the **File name** section, click on  to specify a specific folder on your computer where the animated GIF will be saved. In the Save As window, browse to and select the folder location, enter a file name, and then click **Save**.
3. In the **Image Size** section, set the size of the saved animated GIF photo, as follows:
 - **Keep original photo resolution:** select this option if you don't want the photo to be resized.
 - **Resize to fit:** select this option if you want CyberLink PhotoDirector to resize the photo during the save process. In the fields provided, specify the new **Width** and **Height** for the saved photo.
4. Click the **Save** button. The animated GIF will be saved to the specified folder location on your computer's hard drive.



Note: saved animated GIFs are not auto imported into the photo library.


Creating Motion Stills™

With Motion Stills™* you can take multiple burst shots or captured video frames and create a photo that is comprised of an animated GIF on a still background.




*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

To create a Motion Stills™ image, do this:

1. Click on **Create**.
2. Click on the  tab to open the Motion Stills™ feature.
3. Double-click on all of the photos in the photo browser panel you want to use in the new photo. You can also drag and drop them into the photo viewer window area.





Note: for the best results, the photos should have been taken in relative quick succession, i.e. with a still background and a moving subject/target object.

4. Use the **Frames per second** slider to set the animated GIF's playback speed. By decreasing the frame rate, you will increase the **Total duration** of the animated GIF.
5. Click the **Next** button.
6. Select the photo in the photo browser panel that you want to use as the still background in your final Motion Stills™ image.
7. Click the **Next** button.
8. Use the  brush to select the pixels where there is movement and you want to be animated. See [Using the Brush to Select Pixels](#) for detailed information.



Note: if a target object is moving in the photos, make sure you select all of the pixels where it will be in the photos.

9. If required, click the  button to add text to your Motion Stills™ image. See [Using the Text Editor](#) for detailed information.
10. Click the **Preview** button to view your Motion Stills™ image.
11. When you are done, click on the **Save to** button to [save the changes you made in a new photo file](#).
12. Once the save is complete, click on  to return to the main menu.

Using the Brush to Select Pixels

Before selecting the pixels you want to be animated, configure the brush settings as follows:

- **Size:** use the slider to set the size of the brushed area.





Click and drag on the areas of the photo where there is movement or a target object moves. All of the selected pixels will become an animated GIF in the resulting Motion Stills™ image.





Note: if you brush areas on the photo by mistake, click  to enable the eraser. Then use your mouse to erase sections of the photo you brushed by mistake.

Using the Text Editor


To add text on Motion Stills™, do this:

1. Click the  button on the **Motion Stills™** tab, and then click .
2. Type the required text in the added text box.
3. Ensure the added text is highlighted, and then customize the font text as follows:
 - **Text color:** click on the colored square to set the text color. If you want your text to be transparent, i.e. colorless, select  in the Color window. Once you select the color, click **OK** to close the Color window.
 - **Border color:** click on the colored square to set the text's border color. If you don't want your text to have a border color, select  in the Color window. Once you select the color, click **OK** to close the Color window.
 - **Font:** select the font face from the drop-down.
 - **Font style:** select the font style from the drop-down, i.e. whether you want the text to be bold, italic, etc.,.
 - **Font size:** use the slider to set the size of the text.
 - **Opacity:** use the slider to set the opacity of the text.

- **Shadow:** use the slider to adjust the text's shadow. If you don't a shadow, set the slider to 0.
4. If required, you can click  to add additional text on the Motion Stills™ image.
 5. When you are done, click  to return to the Motion Stills™ tab.

Saving Motion Stills™

Once you are done [creating a Motion Stills™ image](#), to save it do this:

1. Click the **Save to** button.
2. In the **File name** section, click on  to specify a specific folder on your computer where the Motion Stills™ image will be saved. In the Save As window, browse to and select the folder location, enter a file name, and then click **Save**.
3. In the **Image Size** section, set the size of the saved Motion Stills™ image, as follows:
 - **Keep original photo resolution:** select this option if you don't want the photo to be resized.
 - **Resize to fit:** select this option if you want CyberLink PhotoDirector to resize the photo during the save process. In the fields provided, specify the new **Width** and **Height** for the saved photo.
4. Click the **Save** button. The Motion Stills™ image will be saved to the specified folder location on your computer's hard drive.



Note: saved Motion Stills™ are not auto imported into the photo library.

Chapter 9:

Exporting and Sharing Photos

When you are finished making photo adjustments, editing photos, or creating new photo composites with layers, you can save and export them to create new photo files, or share them on Flickr.

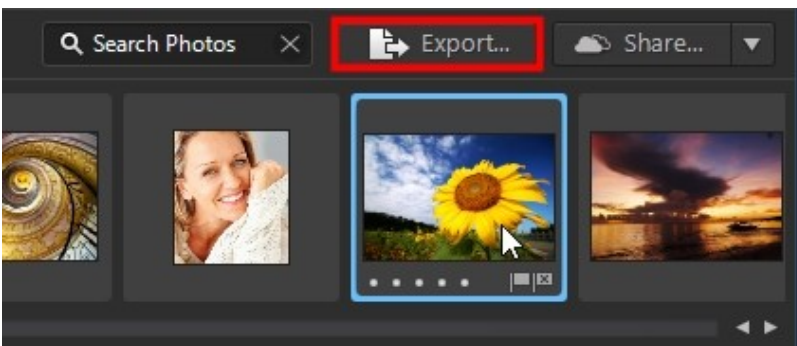


Note: if you have CyberLink PowerDirector 11 or above installed on your computer, you can also select a number of individual photos in the photo browser panel and then **File > Export to PowerDirector** from the menu to quickly send them directly to the PowerDirector timeline.

Exporting Photos

After you make adjustments and edits to your photos, or create new ones in the Layers module, the last step is to save the changes by exporting them as new photo files. CyberLink PhotoDirector keeps a log of all the changes you want to make to a photo, and exporting it applies and saves all these changes and creates a new photo file for you.

You can export multiple photos at once or export them one at a time. To export photos in CyberLink PhotoDirector, select the photos, folder, album, collection, etc., and then click the **Export** button at the top of the photo browser panel.




To export photos in CyberLink PhotoDirector, do this:

1. Select one or more photos in the browser panel, and then click the **Export** button.
2. In the Photo Export window, you can choose one of the following export methods:
 - **Basic:** select this option to quickly export your photos and save them to your hard drive. See [Basic Photo Export](#) for more information.
 - **Advanced:** select this option for a more advanced export. This export process is ideal when saving multiple photos at once, and includes options to customize file size, format, and include metadata and watermarks. See [Advanced Photo Export](#) for more information.

Basic Photo Export

To use a simplified photo export and save photo process, do this:

1. Select one or more photos in the browser panel, and then click the **Export** button.
2. Click the **Basic** button at the top of the Photo Export window.
3. In the **Export destination** section, click on  to specify a specific folder on your computer where the photos will be saved. In the Select a Folder window, browse to and select the folder location, and then click **Select Folder**.
4. In the **Naming** section, if you are only exporting one photo, click in the available field and enter a new file name if required. If exporting multiple photos, choose **Original filename** to keep the same names, or **Custom filename - Sequence number** if you want new ones. Enter the new **Custom name** and **Start number** in the fields provided.



*Note: see the **Example** field at the bottom of **Naming** section to view an example of the naming that will be used on the exported photos.*

5. In the **File Settings** section, set the photo file format. Photos can be exported in the JPEG, PNG, or TIFF file format.
6. In the **Image Sizing** section, set the size of the exported photos, as follows:
 - **Keep original photo resolution:** select this option if you don't want the photos to be resized.

- **Resize to fit:** select this option if you want CyberLink PhotoDirector to resize the photos during the export process. In the fields provided, specify the new Width (**W**) and Height (**H**) for the saved photo.
7. Click the **Export** button. The photos will be exported to the specified folder location on your computer's hard drive.


Advanced Photo Export

To use the advanced photo export process, do this:

1. Select one or more photos in the browser panel, and then click the **Export** button.
2. Click the **Advanced** button at the top of the Photo Export window.
3. If required, select a custom export profile from the **Use profile** drop-down list. See [Export Profiles](#) for detailed information on creating and using export profiles.
4. In the **Export Destination** section of the Photo Export window, specify the export location as follows:
 - **Location options:** specify whether you want to:
 - **Put in Different Folder:** exports the photos into a different folder than where the original photos are located.
 - **Keep in Same Location as Original Photos:** exports the photos to the same folder as the original photos.
 - **Different Folder but Maintain Original Structure:** exports the photos into a different folder, but uses the same folder structure as in the original folder for consistency.



*Note: if you have a CyberLink Cloud subscription you can select the **Upload copies to CyberLink Cloud*** option if you also want the program to upload the exported photos to your CyberLink Cloud storage space after the export process. * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

- **Folder:** specify the folder that photos are exported to as follows:
 - Click on  to specify a specific folder on your computer where the photos are exported to.


- **Put in subfolder:** select this option if you want to place the exported photos in a new subfolder. Input the name of the new folder in the field provided.
 - **Add exported photos to current project:** select this option if you want to add the photos into the library after they are exported.
 - **File naming conflicts:** select from the drop-down what you want CyberLink PhotoDirector to do if it encounters photos with the same file names in the export folder.
5. In the **Naming** section of the Photo Export window, if required, specify the naming conventions used on the exported photo files as follows:



*Note: see the **Example** field at the bottom of **Naming** section to view an example of the naming that will be used on the exported photos.*

- **Format:** select the format of the file name CyberLink PhotoDirector uses to auto name each exported photo. Select **File Name** if you want photos to have the same file name as the originals.
 - **Custom name:** if you want the photos to have new custom name, select one of the custom name options from the **Format** drop-down and then enter the name in the field provided.
 - **Start number:** if you want the file name to contain a number sequence, specify the starting number in the field provided.
6. In the **File Settings** section of the Photo Export window, if required, you can specify the file format, color space, and quality, as follows.
- **Format:** specify whether you want to export the photos in the JPEG, PNG, or TIFF file format.
 - **Color space:** select the type of color space you want used on the exported photos.
 - **Quality:** if exporting in the JPEG format, use the slider to set the quality of the exported photo. The higher the quality, the larger the resulting photo file sizes. If exporting in the TIFF format, select **ZIP** in the **Compression** drop-down if you want to compress the photos during export.
7. In the **Image Sizing** section of the Photo Export window is where you can set the size of the exported photos, as follows:
- **Keep original photo resolution:** select this option if you don't want the photos resized during the export process. Select the **Don't re-compress photo if**


- original is a JPEG and no adjustments were made** if you don't want CyberLink PhotoDirector to re-compress the photos that you did not make any adjustments on.
- **Resize to fit:** select this option if you want CyberLink PhotoDirector to resize the photos during the export process. In the drop-down provided, specify the new size as follows:
 - **Long Edge:** select this option to specify a new length for the longest side of each photo in the field provided.
 - **Width and Height:** select this option to specify the width or height of each photo in the fields provided. CyberLink PhotoDirector will resize photos to the specified size, and ensure the photos maintain their current aspect ratio.
 - **Short Edge:** select this option to specify a new length of shortest side of each photo in the field provided.
 - **Don't increase photo resolution:** select this option if you don't want CyberLink PhotoDirector to increase the resolution of photos whose original is smaller than the specified size. Selecting this option can prevent loss of quality.
 - **Sharpen after resizing:** select this option if you want CyberLink PhotoDirector to apply sharpness to each photo after resizing.
8. In the **Metadata** section of the Photo Export window, if required, specify the metadata to include in the exported photos:
- **Remove EXIF:** select this option if you want CyberLink PhotoDirector to remove the Exchangeable Image Format (EXIF) data from each photo, if it exists.
 - **Remove IPTC:** select this option if you want CyberLink PhotoDirector to remove all International Press Telecommunications Council (IPTC) metadata from each photo, if it exists.
 - **Write tags into metadata:** select if you want any keyword tags added to be embedded into the metadata of each photo.
 - **Write copyright info into metadata:** select if you want any copyright information added to be embedded into the metadata of each photo.
9. In the **Watermark** section, you can add a watermark to all the exported photos, as follows:

- **Add watermark:** select this option and then click . In the Watermark Template window, select the watermark you want to apply to all the exported photos, and then click on **OK**.
10. Click **Export**. CyberLink PhotoDirector will export all the photos as specified.

Export Profiles

Once you have customized the Export Preferences in the Photo Export window, you can save it as a custom export profile that you can use again later.

To create a new export profile, do this:

1. In the Photo Export window, set the export preferences as required.
2. Click on .
3. Enter in a **Name** in the field provided.
4. Click on **OK** to save it in the **Use profile** list.



Note: if you make any changes to a profile, just click the  button to save the changes. Click the  button to delete the selected export profile if required.

Sharing Photos

You can share photos in your library with others by uploading them to Flickr, or by e-mailing them to friends. Photos can also be uploaded to the DirectorZone Photo Gallery or backed up on CyberLink Cloud* if you have a subscription.






Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.

Uploading Photos to Flickr

To share your photos by uploading them to Flickr, do this:

1. In the project library, select the collection/folder/album or keyword tag that contains the photos you want to share.
2. In the photo browser panel, select all of the photos you want to upload.

3. Click  above the panel and ensure **Flickr** is selected: .
4. Click on **Share** to launch the upload wizard.
5. If required, follow the instructions to authorize the upload of photos to your Flickr account, and then click **Continue**.
6. Select the Flickr set you want to upload the photos to in the **Add to set** drop down as follows:
 - **Add to Existing Set:** select this option if you want to upload the photos to a set that already exists on Flickr. Select the set you want to upload it to from the list.
 - **Create and Add to New Set:** select to add it to a new set. Enter the new **Set name**.
 - **Don't Add to Any Sets:** select if you don't want to include in a set on Flickr.
7. Set the Photo Settings as follows:
 - **Include tags:** select this option if you want any applied keyword tags to be included during the upload process. The tags will be visible on Flickr.
 - **Resize when uploading:** select this option if you want CyberLink PhotoDirector to resize each photo before uploading. Once selected, select the **File size** from the drop-down.
8. Set the desired Privacy Settings for the uploaded photos.
9. If required, select the **Add watermark** option and then click  to add a watermark to all of the photos you are uploading. In the Watermark Template window, select the watermark you want to apply, and then click on **OK**.
10. Click the **Upload** button to complete the upload process.


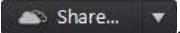

Backing Up Photos on CyberLink Cloud

If you have a CyberLink Cloud subscription you can back up your photos by uploading them to CyberLink Cloud*.



Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.


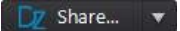
To back up your photos on CyberLink Cloud, do this:


1. In the project library, select the collection/folder/album or keyword tag that contains the photos you want to share.
2. In the photo browser panel, select all of the photos you want to upload.
3. Click  above the panel and ensure **CyberLink Cloud** is selected:
.
4. Click on **Share** to launch the upload wizard.
5. If required, enter your PhotoDirector account information to sign in, and then click **Next**.
6. Select the CyberLink Cloud album you want to upload the photos to in the **Add to album** drop down as follows:
 - **Add to Existing Album:** select this option if you want to upload the photos to an album that already exists on CyberLink Cloud. Select the album you want to upload it to from the list.
 - **Create and Add to New Album:** select to add it to a new album. Enter the new album name in the field provided.
7. In Photo settings, select whether to **Downsize** the original photos (i.e. reduce the size and quality), or keep them in their **Original** size and quality.
8. If required, select the **Add watermark** option and then click  to add a watermark to all of the photos you are uploading. In the Watermark Template window, select the watermark you want to apply, and then click on **OK**.
9. Click the **Upload** button to complete the upload process.

Uploading Photos to DirectorZone

You can upload photos to the DirectorZone Photo Gallery.


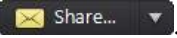
To upload photos to DirectorZone, do this:

1. In the project library, select the collection/folder/album or keyword tag that contains the photos you want to share.
2. In the photo browser panel, select all of the photos you want to upload.
3. Click  above the panel and ensure **DirectorZone** is selected:
.

4. Click on **Share** to launch the upload wizard.
5. Confirm the disclaimer and then click **Next**.
6. Enter your DirectorZone account information to sign in, and then click **Next**. If you don't have an account, click the **Get an Account** link to get one for free.
7. If required, enter some keyword search **Tags** that will help users find the photos when searching on DirectorZone.
8. If required, select the **Add watermark** option and then click  to add a watermark to all of the photos you are uploading. In the Watermark Template window, select the watermark you want to apply, and then click on **OK**.
9. Click the **Upload** button to complete the upload process.

E-mailing Photos

To share your photos via e-mail do this:

1. In the project library, select the collection/folder/album or keyword tag that contains the photos you want to share.
2. In the photo browser panel, select all of the photos you want to e-mail.
3. Click  above the panel and then select **E-mail**, or just click **Share** if it is already selected: .
4. Configure the E-mail Photo Settings as follows:
 - **Size:** use this option if you want CyberLink PhotoDirector to resize the photos before e-mailing them. In the drop-down provided, specify the required photo size in pixels and then use the slider to set the quality and size of the photo file. The higher the quality, the larger the photo file's size will be.
5. Click the **Send E-mail** button. CyberLink PhotoDirector launches your default mail client and includes all of the selected photos in the new e-mail message.



*Note: if your computer does not have a default e-mail client configured, then the auto e-mail feature may not work. If it does not work, right click on a photo, select **Locate on Disk**, and then manually attach the photo to the e-mail message.*

6. Proceed to complete the sending of the e-mail in your default e-mail client as required.

Chapter 10:

Printing

Once you have finished organizing, adjusting, editing, and creating photos, you can print out high resolution copies in the **Print** module.

Printing Photos

Click on the **Print** button to open the Print module of CyberLink PhotoDirector. Here you can print out photos one at a time, or print multiple photos on a single page.

To print photos, do this:

1. Customize the layout of the printing page. See [Customizing the Layout](#) for more information.
2. Drag and drop the photos you want to print into the available cells on the printing page.
3. Customize the image settings. See [Customizing the Image Settings](#) for more information.
4. Customize the print settings. See [Customizing the Print Settings](#) for more information.
5. Add watermark templates, if required. See [Watermarks](#) for more information.
6. Click the **Print** button to print off the specified photos.

Customizing the Layout

In the **Layout** section of the Print module's panel, you can customize the layout by setting how many photos will be printed on a page. This section also determines the size of each photo printed, since you customize the cell size on the page. You can either use a layout profile or manually customize the layout.

Using a Layout Profile

To use a layout profile, do this:

1. Click on **Profiles** at the top of the tab.
2. Update the **Paper Settings** as required:
 - **Paper size:** select the desired paper size. This should match the type of paper you are going to use to print your photos on.
 - **Orientation:** select whether to print off each page in **Landscape** or **Portrait** mode.
3. Update the **Cell Settings** as required:
 - **Unit setting:** select the preferred measurement unit you want to use for the cell size, i.e. inches or centimeters.
 - **Photo size:** select the preferred size of each photo (by setting the cell size) on the printed page.



*Note: if the photo size you want is not available in the drop-down, select the **Enter Custom** option to manually set it. In the fields available, enter the desired width then length and then click **OK** to set it.*

Manually Customizing the Layout

To manually customize the layout, do this:

1. Click on **Manual** at the top of the tab.
2. Update the **Paper Settings** as required:
 - **Paper size:** select the desired paper size. This should match the type of paper you are going to use to print your photos on.
 - **Orientation:** select whether to print off each page in **Landscape** or **Portrait** mode.
3. If you'd like include multiple photos on a printed page, use the **Page Grid** sliders to set up the required page layout.
 - **Rows:** set the number of rows you want in the page grid.
 - **Columns:** set the number of columns you want in the page grid.




Note: if you only want one photo on a printed page, set the value for each slider to 1.

4. Use the **Cell Size** sliders to set the size of each cell in the page grid.


- **Unit setting:** select the preferred measurement unit you want to use for the cell size, i.e. inches or centimeters.
- **Height:** set the height of each cell.
- **Width:** set the width of each cell.

Customizing the Image Settings

In the **Image Settings** section of the Print module's panel, you can customize how photos are displayed on the page as follows:

- **Zoom to fit:** select this option if you want CyberLink PhotoDirector to auto zoom in on each photo so it fits in the cell. Once selected you can click on  to enable the move function. Once enabled, click and drag on the photo to move it to the location you prefer to be the focus of the cell.




Select  to lock the photo in place. Note that the move function stays enabled for all cells, until you disable it.

- **Rotate to fit:** select this option to rotate the photo so that it fits in the cell.
- **Hide grid lines:** select this option to hide the grid lines that display on the printed page that help you with the layout.

Customizing the Print Settings


In the **Print Settings** section of the Print module's panel, you can set the number of copies to be printed, select the printer, set the photo resolution, and more. Customize the Print Settings as follows:

- **Total copies:** enter the total number of copies you want to print out.
- **Printer:** select the printer you want to print the photos out on. Click  to set up the printer, if required.
- **Resolution:** in the field provided, specify the resolution of the printed photos.
- **ICC:** if required, select the ICC color profile from the drop down you want to use to color correct the photo so it prints out properly on your printer.

Adding Watermarks to Printed Photos

If required, you can add watermark templates that include frames, lines, images, and more, to all of the photos you print. You can choose from a number of PhotoDirector watermarks, or use custom watermarks you created in the [Watermark Creator](#).

To add watermarks on photos for printing, do this:

1. In the **Watermark** section of the Print module's panel, select the **Add watermark** option.
2. Click the  button and then select the watermark template you want to apply to the printed photos.
3. Click **OK** to close the Watermark Templates window.


Chapter 11:

PhotoDirector Preferences

Use the CyberLink PhotoDirector preferences to set the UI language, project backup frequency, file handling, and more.

To set your preferences in CyberLink PhotoDirector, select **Edit > Preferences** from the menu, or click the  button.

General Preferences

Click the  button to open the Preferences window, and then select the **General** tab. The available options are as follows:

Language

- **Use system default language (if supported):** select this option for the language display to be the same as the language of your operating system. This feature is only available if your operating system's language is one of the supported user defined languages.
- **User defined:** select this option and then select the language from the drop-down list that you want to use.

Update

- **Automatically check for software updates:** select to periodically check for updates or new versions of PhotoDirector automatically.

Messages


- Click the **Reset** button to reset all the "Don't show again" checkboxes in the program's message dialogs back to the default settings. All of the message dialogs that contain the "Don't show again" checkbox will display again after this button is clicked.

Panel location

- **Dock on the left side:** select if you want the adjustment panel, library panel, edit options, layers manager, etc. to be located on the left side of the PhotoDirector window.


- **Dock on the right side:** select if you want the adjustment panel, library panel, edit options, layers manager, etc. to be located on the right side of the PhotoDirector window.

Project Preferences

Click the  button to open the Preferences window, and then select the **Project** tab. The available options are as follows:

Project backup


It is recommended that you regularly back up your projects. Backing up your projects regularly ensures that you do not lose any of the adjustments or changes you made to your photos.

- **Auto backup reminder:** select from the drop-down how often you want CyberLink PhotoDirector to remind you to back up projects. Click the **Back Up Now** button to back up the project now.
- **Back up to:** click  to set the folder on your computer where project backups are stored.

Project information:

In this section CyberLink PhotoDirector displays the current project information, including date created and the date of the last backup.

DirectorZone Preferences

Click the  button to open the Preferences window, and then select the **DirectorZone** tab. The available options are as follows:

Sign in

- enter in your **E-mail** address and **Password**, and then click the **Sign in** button to sign in to DirectorZone. If you do not have a DirectorZone account, click on the **Get an Account** link.
- **Auto sign in to DirectorZone:** select this option to automatically sign in to DirectorZone when the program is opened.




Note: you can sign out from DirectorZone at any time by returning to this tab, and then clicking the **Sign out** button.

Privacy rules

- **Allow DirectorZone to gather editing information:** select this option to allow DirectorZone to collect details about the adjustments you used in the presets you are uploading.

File Handling Preferences

Click the  button to open the Preferences window, and then select the **File Handling** tab. The available options are as follows:

Preview cache

When you select a photo in the browser panel, the time it takes for the photo to load is dependent on quality of the preview rendered. CyberLink PhotoDirector lets you render a preview of each photo (which is saved in the preview cache location folder) to enable faster load times when browsing through them.

- **Location:** the location on your computer where the preview data is saved.
- **Maximum size:** specify the maximum size allowed for the preview data on your computer's hard drive.
- **Preview quality:** specifies the current preview quality of the photos. If you would like to render previews to improve quality or free up disk space, just select the updated preview quality from the list.

Photo editing cache

When editing photos in the Edit module, CyberLink PhotoDirector creates a virtual photo (cache) file it uses to log the edits you want to make. In the Photo editing cache section you can set the format of this file.

- **Format:** specify whether you want the cache file to be in the JPEG or TIFF file format. If using the JPEG format, use the slider to set the quality of the cache file.

Cache memory settings


- **Enable cache to speed up photo browsing:** select this option for faster loading times when clicking through photos in the browser panel. Once selected, set

the **Cache memory size**. The more memory you allot, the faster photos will load.



Note: enabling this option will increase the photo import time.

Improvement Program Preferences

Click the  button to open the Preferences window, and then select the Improvement Program tab. The available options are as follows:


CyberLink Product Improvement Program

- **I want to participate:** select this item if you would like to participate in the CyberLink Product Improvement Program for PhotoDirector. Once enabled, CyberLink PhotoDirector will collect information about the hardware and software configuration of your computer system, as well as your usage behavior and statistics related to the software. Click the **Read more information about the improvement program online** link to view more detailed information about the content collected.



Note: the CyberLink Product Improvement Program for PhotoDirector will not collect any personal information for purposes of identifying you.

CyberLink Cloud Preferences


Click the  button to open the Preferences window, and then select the **CyberLink Cloud*** tab. The available options are as follows:



*Note: * optional feature in CyberLink PhotoDirector. Check the version table on our web site for detailed versioning information.*

- **Back up and restore your program settings:** if you have a CyberLink Cloud subscription you can click **Back up to CyberLink Cloud** to back up program preferences and custom output profiles to CyberLink Cloud. Click **Restore**


from CyberLink Cloud to replace your current program settings with the ones you previously backed up on CyberLink Cloud.

- **Download folder:** click the  button to change the folder where CyberLink Cloud presets, projects, and media are stored when downloaded.
- **Clear CyberLink Cloud cache:** click the **Clear Offline Cache** button to free up some disk space by emptying the temp files stored when downloading content from CyberLink Cloud.
- **Sign out from CyberLink Cloud service:** if you are currently signed in to CyberLink Cloud, click the button to sign yourself out.



*Note: click the **Account Information** link in the bottom right corner of the preferences windows if you want to know your CyberLink Cloud subscription expiry date, how much storage space you have, and more.*

Hardware Acceleration Preferences

Click the  button to open the Preferences window, and then select the **Hardware Acceleration** tab. The available options are as follows:

Hardware acceleration

- **Enable to speed up the photo export process with OpenCL technology:** if your computer supports GPU hardware acceleration, select this option to speed up the photo export process by tapping into the multi-core parallel processing power of your computer.
- **Enable hardware acceleration for video decoding:** if your computer supports GPU hardware acceleration, select this option to speed up the video import process by tapping into the multi-core parallel processing power of your computer.

Chapter 12:

PhotoDirector Hotkeys

The following is a list of the hotkeys available in CyberLink PhotoDirector for your convenience:

Hotkey	Description	Module Available
File/Project Features		
Ctrl+N	Create new project.	Library, Adjustment, Edit, Create, Print
Ctrl+O	Open existing project.	Library, Adjustment, Edit, Create, Print
Ctrl+E	Export selected photos.	Library, Adjustment, Edit*, Layers, Print
Ctrl+S	Save and apply current changes to selected photo.	Adjustment
Ctrl+Shift+S	Save and apply current changes as a new photo.	Library, Adjustment, Edit*, Layers
Alt+C	Open PhotoDirector preferences.	Library, Adjustment, Edit, Layers, Create, Print
Right arrow key	Go to next photo in the browser panel.	Library, Adjustment, Edit, Create, Print
Left arrow key	Go to previous photo in the browser panel.	Library, Adjustment, Edit, Create, Print
V	Start Video-to-Photo	Library, Adjustment, Edit, Create, Print
Workspace		
F3	Switch to thumbnail view in browser panel.	Library, Adjustment, Edit, Create, Print
F4	Switch to list view in browser panel.	Library, Adjustment, Edit, Create, Print

Hotkey	Description	Module Available
F6	Switch to viewer & browser mode in photo viewer window.	Library, Adjustment, Edit, Layers
F7	Switch to viewer only mode in photo viewer window.	Library, Adjustment, Edit, Layers
F8	Switch to browser only mode in photo viewer window.	Library, Adjustment, Edit
Alt+2	Toggle compare mode on/off.	Library, Adjustment
Enter	Set as current when comparing two photos.	Library
Alt+3	Toggle show multiple mode on/off.	Library
Alt+1	Toggle show one mode on/off.	Library, Adjustment
Ctrl+Alt+M	Toggle mirror mode on/off (secondary monitor only).	Library, Adjustment, Edit, Layers, Create, Print
Ctrl+Alt+A	Toggle alternate mode on/off (secondary monitor only).	Library, Adjustment, Edit, Layers, Create, Print
Ctrl+Alt+N	Select to display nothing on the secondary monitor.	Library, Adjustment, Edit, Layers, Create, Print
F	Toggle full screen mode.	Library, Adjustment, Edit
Alt+L	Open the Library module.	Library, Adjustment, Edit, Layers, Create, Print
Alt+A	Open the Adjustment module.	Library, Adjustment, Edit, Layers, Create, Print
Alt+E	Open the Edit module.	Library, Adjustment, Edit, Layers, Create, Print
Alt+Y	Open the Layers module.	Library, Adjustment, Edit, Layers, Create, Print
Alt+S	Open the Create module.	Library, Adjustment, Edit, Layers, Create, Print
Alt+P	Open the Print module.	Library, Adjustment, Edit, Layers, Create, Print

Hotkey	Description	Module Available
Ctrl+Shift+E	Go to 360 Photo Editor if focused photo is a 360 photo.	Library, Adjustment, Edit, Layers, Create, Print
Ctrl+G	Stack the selected photos.	Library, Adjustment, Edit, Create, Print
Ctrl+Shift+G	Unstack the selected stack of photos.	Library, Adjustment, Edit, Create, Print
Ctrl+Alt+S	Expand/Collapse the selected stack of photos.	Library, Adjustment, Edit, Create, Print
F1	Open PhotoDirector help.	Library, Adjustment, Edit, Layers, Create, Print
Operational		
Ctrl+Z	Undo last change.	Adjustment, Edit, Layers
Ctrl+Y	Redo last change.	Adjustment, Edit, Layers
Ctrl+R	Reset changes to previous saved status.	Adjustment, Edit, Layers
Ctrl+A	Select all photos in the browser panel.	Library, Adjustment, Edit, Create, Print
Ctrl+D	Deselect all photos in the browser panel.	Library, Adjustment, Edit, Create, Print
Ctrl+[Rotate photo left 90 degrees.	Library, Adjustment, Edit, Layers, Create, Print
Ctrl+]	Rotate photo right 90 degrees.	Library, Adjustment, Edit, Layers, Create, Print
S	Turn flag for selected photo on/off.	Library, Adjustment, Edit, Create, Print
X	Turn rejection for selected photo on/off.	Library, Adjustment, Edit, Create, Print
U	Clear all flags for selected photo.	Library, Adjustment, Edit, Create, Print

Hotkey	Description	Module Available
0	Remove rating from selected photo.	Library, Adjustment, Edit, Create, Print
1	Set selected photo rating as 1.	Library, Adjustment, Edit, Create, Print
2	Set selected photo rating as 2.	Library, Adjustment, Edit, Create, Print
3	Set selected photo rating as 3.	Library, Adjustment, Edit, Create, Print
4	Set selected photo rating as 4.	Library, Adjustment, Edit, Create, Print
5	Set selected photo rating as 5.	Library, Adjustment, Edit, Create, Print
Ctrl+0	Remove label from selected photo.	Library, Adjustment, Edit, Create, Print
Ctrl+1	Set label for selected photo as red.	Library, Adjustment, Edit, Create, Print
Ctrl+2	Set label for selected photo as blue.	Library, Adjustment, Edit, Create, Print
Ctrl+3	Set label for selected photo as green.	Library, Adjustment, Edit, Create, Print
Ctrl+4	Set label for selected photo as yellow.	Library, Adjustment, Edit, Create, Print
Ctrl+5	Set label for selected photo as purple.	Library, Adjustment, Edit, Create, Print
Ctrl+Shift+C	Copy adjustment settings for use on other photos.	Adjustment
Ctrl+Shift+V	Paste copied adjustments to selected photos.	Adjustment
Ctrl+'	Create a virtual photo for the selected photo.	Library, Adjustment, Create, Print

Hotkey	Description	Module Available
Delete	Delete the selected photos/layers.	Library, Adjustment, Edit, Layers, Create, Print
-	Remove a photo from viewer when viewing multiple photos.	Library
Spacebar	Zoom to fit/100%.	Library, Adjustment, Edit, Layers
Ctrl+Mouse wheel	Zoom in/out on photo in viewer window. Resize photo thumbnails in browser panel when in browser only mode.	Library, Adjustment, Edit, Layers
F2	Rename selected folder/album/tag/preset/layer.	Library, Adjustment, Edit, Layers
J	Show/hide over and underexposed areas of current photo.	Adjustment
Alt+T	Apply auto tone on current photo.	Adjustment
Alt+W	Apply auto white balance on current photo.	Adjustment
Alt+D	Apply auto denoise (noise reduction) on current photo.	Adjustment
H	Show/Hide the regional adjustment or edit mask.	Adjustment, Edit
Layers		
Ctrl+Shift+N	Add a new empty layer.	Layers
Ctrl+Shift+P	Add a photo layer (from folder).	Layers
Ctrl+Shift+B	Add a photo layer (from background removal gallery).	Layers
Ctrl+Shift+V	Toggle layer visibility (visible/invisible).	Layers
Ctrl+Mouse click	Select multiple layers.	Layers

Hotkey	Description	Module Available
P	Switch to/Enable pen tool.	Layers
E	Switch to/Enable eraser tool.	Layers
H	Switch to/Enable shape tool.	Layers
T	Switch to/Enable text tool.	Layers
S	Switch to/Enable selection tool.	Layers
Backspace	Switch to/Enable fill tool.	Layers
G	Switch to/Enable gradient fill tool.	Layers
M	Switch to/Enable pick and move tool.	Layers
Ctrl+F	Flip selected layers.	Layers
Ctrl+Drag on canvas	Zoom in on selected area.	Layers
Spacebar+Drag on canvas	Pan screen (only available when display size bigger than canvas size).	Layers
Ctrl+Shift+K	Color picker (only available for tools that allow to change color).	Layers
Ctrl+A	Select whole image.	Layers
Ctrl+D	Clear selection/Deselect all.	Layers
Ctrl+Shift+I	Invert selection.	Layers
Ctrl+Arrow keys	Move selected layers 1 pixel up/down/left/right.	Layers
Ctrl+Shift+Arrow keys	Move selected layers 10 pixels up/down/left/right.	Layers
Shift+Arrow keys	Select text.	Layers
Mouse wheel	Change brush/pen/font size for pen/eraser/text/selection tools.	Layers
I	Show/Hide layers manager.	Layers

Hotkey	Description	Module Available
+/-	Increase/Decrease Opacity 10%.	Layers



Note: * select windows only.

Chapter 13:

Technical Support

If you require technical support, then this chapter can help. It includes all the information you need to find the answers you are looking for. You may also find answers quickly by contacting your local distributor/dealer.

Before Contacting Technical Support

Before contacting CyberLink technical support, please take advantage of one or more of the following free support options:

- consult the user's guide or the online help installed with your program.
- refer to the Knowledge Base at the following link on the CyberLink web site: <https://www.cyberlink.com/support/search-product-result.do>
- check the [Help Resources](#) page in this document.

When contacting technical support by e-mail or phone, please have the following information ready:

- registered **product key** (your product key can be found on the software disc envelope, the box cover, or in the e-mail received after you purchased CyberLink products on the CyberLink store).
- the product name, version and build number, which generally can be found by clicking on the product name image on the user interface.
- the version of Windows installed on your system.
- list of hardware devices on your system (capture card, sound card, VGA card) and their specifications. For fastest results, please generate and attach your system info using the DxDiag.txt.



Note: here are the steps to generate the system info DxDiag.txt file: Click Windows (start) button, and then search for "dxdiag". Click **Save All Information** button to save the DxDiag.txt file.

- the wording of any warning messages that were displayed (you may want to write this down or take a screen capture).

- a detailed description of the problem and under what circumstances it occurred.

Web Support

Solutions to your problems are available 24 hours a day at no cost on the CyberLink web site:



Note: you must first register as a member before using CyberLink web support.

CyberLink provides a wide range of web support options, including FAQs, in the following languages:

Language	Web Support URL
English	https://www.cyberlink.com/cs-help
Traditional Chinese	https://tw.cyberlink.com/cs-help
Japanese	https://jp.cyberlink.com/cs-help
Spanish	https://es.cyberlink.com/cs-help
Korean	https://kr.cyberlink.com/cs-help
Simplified Chinese	https://cn.cyberlink.com/cs-help
German	https://de.cyberlink.com/cs-help
French	https://fr.cyberlink.com/cs-help
Italian	https://it.cyberlink.com/cs-help

Help Resources

The following is a list of help resources that may assist you when using any of CyberLink's products.

- Access CyberLink's **Knowledge base** and **FAQ** (frequently asked questions):
<https://www.cyberlink.com/cs-resource>
- View **video tutorials** for your software:
<https://directorzone.cyberlink.com/tutorial/>

- Ask questions and get answers from our users on the **CyberLink Community Forum**: <https://forum.cyberlink.com/forum/forums/list/ENU.page>



Note: *CyberLink's user community forum is only available in English and German.*

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