CyberLink

SoftDMA

User's Guide



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Chapter 1:

Introduction

CyberLink SoftDMA lets you view shared music, videos and pictures over a computer network with computers installed with a Digital Media Server that is DLNA certified, such as Media Server, Intel Viiv and many more.

This chapter contains the following sections:

- "What is DMA" on page 2
- "Network Configuration" on page 3

What is DMA

DMA or Digital Media Adapters enable a wired or wireless connection between your computers, TVs, and stereo systems. DMA technology lets you stream digital audio, images, and video across your home network to computers, TVs, and stereo systems throughout the home. This streaming process is facilitated by the use of a software or hardware DMA.

Digital content taken from digital cameras, camcorders, TVs, HDTVs, and the Internet are stored in a Home Media Server. The content is then streamed across the home network to hardware DMAs that are connected to your TVs throughout the home. You can also stream digital content to computers connected to your home network via a software DMA such as CyberLink SoftDMA.

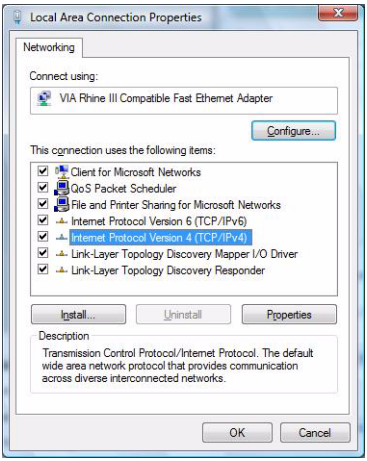
The entire process is easy to setup and simple to use. Once installed you can just sit back and enjoy your entire digital content from anywhere in your house. DMA technology is truly a brilliant way to distribute digital content throughout your home. With the help of DMA technology you can easily access videos, movies, music, pictures and TV programs at anytime, from anyplace in your home.

Note: CyberLink SoftDMA software needs to be installed on the client only.

Network Configuration

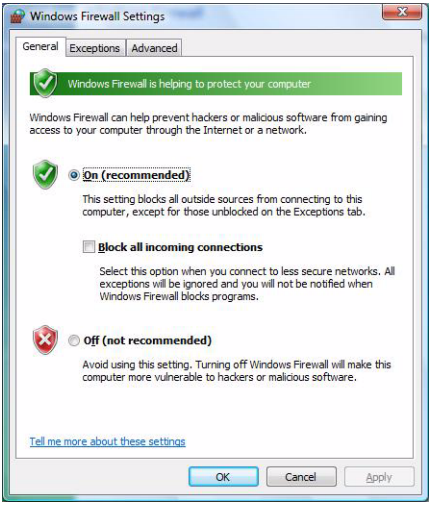
Before you can access or share media files over the network with CyberLink SoftDMA and a Digital Media Server, you first need to make sure your network is properly configured and working:

- Verify that your computer has a physical connection to the network. The back of each network adapter in a desktop computer has visible lights. These lights indicate a good connection. If you are using a hub or a switch to connect the computers, make sure that the hub or the switch is turned on and that the lights are on for each client connection. This indicates a good link.
- Make sure that all computers have TCP/IP installed and activated. TCP/IP is always installed on Windows Vista. Click **Start** - **Settings** - **Control Panel**. Select **Network and Internet Connections** and then select **View network status and tasks** under **Network and Sharing Center**. On the **Tasks** tab, click on **Manage network connections**, right click on the **Local Area Connection** icon that connects to your network and select **Properties**. Click **Continue** if the UAC dialog pops up. Make sure Internet Protocol (TCP/IP) is installed and checked off. Click **OK** to apply your changes.



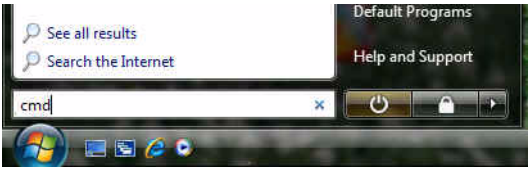
- Verify that the Internet Connection Firewall or Windows Firewall feature is configured to allow exceptions on the adapters that you use to connect the computers to the network, i.e. that the **Don't allow exceptions** option is **not** checked off. CyberLink SoftDMA automatically configures firewall exceptions settings during installation, if these exceptions settings are disabled on these adapters, you cannot connect to the shared media files on other computers in the network.

  Note: If you have other antivirus software installed on your computer, the Windows firewall will be set to OFF and you do not need to configure this function.

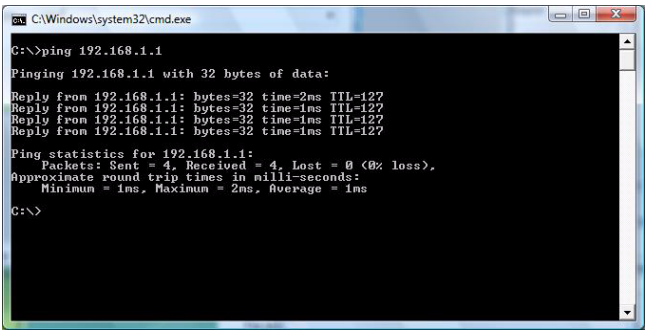


- Use the ping command to test connectivity between two computers on the network. On one of the computers, click **Start**, type "cmd" in the search field, and then press the Enter key on

your keyboard.



At the command prompt, type ping x.x.x.x (where x.x.x.x is the IP address of the other computer), and then press Enter. You should receive several replies from the other computer.



If you do not receive these replies, or if you receive a "Request timed out" message, there may be an issue with your connection and you need to troubleshoot your network adapter. Please contact your network adapter manufacturer to troubleshoot your network adapter. To determine the IP Address of a specific computer on your network, Click **Start** - **Settings** - **Control Panel** - **Network and Internet**, and then click **Network and Sharing Center**. Click **View status** in the middle of the window. The Local Area Connection Status window will be displayed. Click **Details** to view the IP address

- After you can ping the other computer by using its IP address, ping the computer by using its computer name. To determine a computer's name, right click **Computer** on the desktop and then click **Properties** to display this information. To ping a computer by name, type ping *computername* (where *computername* is the name of the remote computer), and then press ENTER. If you

receive successful replies, you have connectivity and name resolution between the computers.

Note: When SoftDMA plays back premium content (ex. ISDB-T's recorded digital broadcasting content) using a wireless LAN, WEP needs to be turned on.

Chapter 2:

CyberLink SoftDMA

CyberLink SoftDMA is a media server client that lets you access shared media files on a network installed with a Digital Media Server, such as CyberLink Media Server. With CyberLink SoftDMA you can view shared music, videos and pictures over a computer network.

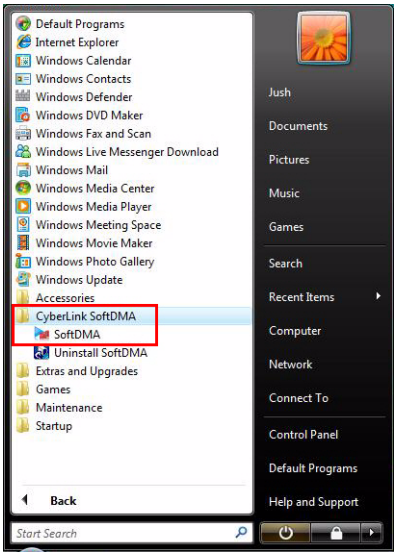
This chapter contains the following sections:

- "Main Page Overview" on page 9
- "Viewing Shared Media" on page 12
- "Viewing Pictures" on page 15
- "Listening to Music" on page 16
- "Watching Videos" on page 17

Launching SoftDMA

Depending on the version of Windows Vista you have installed on your computer, depends how you can launch CyberLink SoftDMA.

If you have Windows Vista Home Basic or Windows Vista Home Premium, launch CyberLink SoftDMA from the start menu:



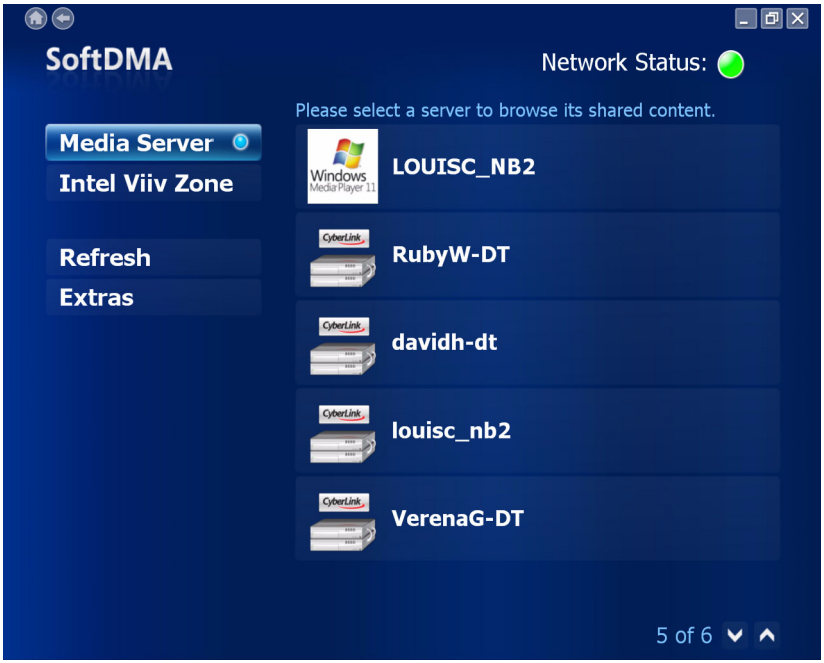
If you have Windows Vista Home Premium:

1. Start Windows Media Center.
2. Select the **Program Library** option.
3. Select SoftDMA from the list of available programs.



Main Page Overview

The CyberLink SoftDMA Main Page displays a list of the media servers available on your network, which you can scroll through using your mouse's scroll wheel, the keyboard up/down arrows, and the **Up**/**Down** buttons on the remote.

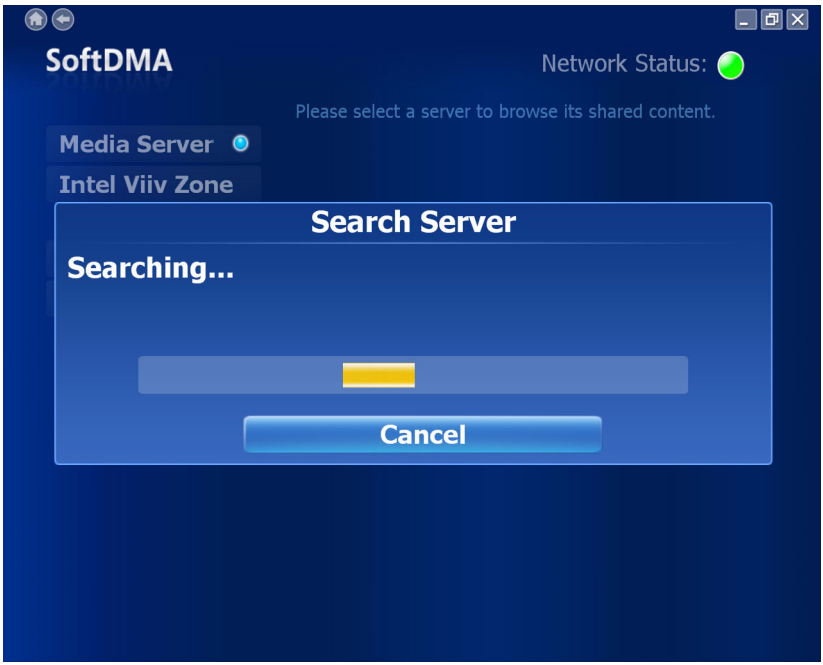


Select **Media Server** to display a list of servers connected to the same network as Media Server, Windows Media Player Library or Digital Media Server. Select **Intel Viiv Zone** to display a list of servers connected to the same network as Intel 'Viiv' Media Library.

Note: The Japanese edition of SoftDMA does not support **Intel Viiv Zone**.

Note: You must first install and setup a Digital Media Server to share media files. CyberLink SoftDMA is compatible with most UPnP devices so you can also link CyberLink SoftDMA with other DLNA certified Digital Media Servers (DMS). Please refer to the DLNA product compatibility list for details. http://www.dlna.org/home

Select **Refresh** at any time to search for newly shared media servers. **Network Status** indicates the status of your connection to the network. Green indicates the connection is good, while red indicates that there is currently no connection.



Navigation Controls

The navigation bar across the top of the window contains a number of buttons for navigating around the CyberLink SoftDMA program. The navigation bar only shows when there is mouse movement. Select the **Home** icon to return to the main page. Select the **Back** icon to return to a previous page. The Minimize and Close buttons have standard Windows behavior.



Note: If SoftDMA was launched from within Windows MCE, these navigation controls may differ.

Viewing Shared Media

To begin viewing shared media files, simply select a media server on the CyberLink SoftDMA main page. The presentation of folder content varies for different media servers. If you select CyberLink Media Server, four main folders: **Video**, **Picture**, **Music** and **Recorded TV** will be displayed.



Media pages have functions on the left and a content browsing area on the right. Files are displayed as thumbnails (or icons) and organized in folders. Select a folder to display its contents.

If the number of files and folders displayed exceeds one page in the content browsing area, use the up/down buttons in the lower right corner to scroll through the pages. You can also use the up/down

arrows on the keyboard to scroll up or down one row, or the **Page Up**/**Page Down** keys to scroll up or down an entire page.

Browsing Files and Folders

CyberLink SoftDMA uses information from the network server computers to conveniently organize your files and folders. For example, CyberLink SoftDMA lists your music files by Album, Artist, Genre, Songs, Year and Rating. This lets you easily browse and find your files, without having to search endlessly for the content you want.

Use **View By** to choose how you want to view your files and folders: **List** - simply lists the files/folders; **Detail** - displays some detailed file information when available; **Thumbnails** - displays thumbnails of images and videos when available.

Use **Sort By** to choose how you want to organize the files in a particular folder. You can sort your music files by name or sort your image and video files by name or date.

Player Controls for Mouse Use

To play a media file, select its thumbnail (icon) in the content browsing area. The player control panel appears whenever you move the mouse, and automatically disappears several seconds after the mouse stops moving.



Standard playback buttons include **Stop**, **Play**/**Pause**, **Previous**, **Rewind**, **Fast Forward** and **Next**. Volume controls include **Volume Down**, **Mute**/**Speaker On**, and **Volume Up**, or you can press the controls on your remote control.

> **Note:** Additional buttons may be available depending on the type of media being played. Please see an explanation of all the additional buttons in the relevant section.

Video and music will continue to play as you navigate around CyberLink SoftDMA, allowing you to enjoy your media while performing other tasks. In order to return to the video content page, select Stop on the control panel in the bottom left of the screen.

Viewing Pictures

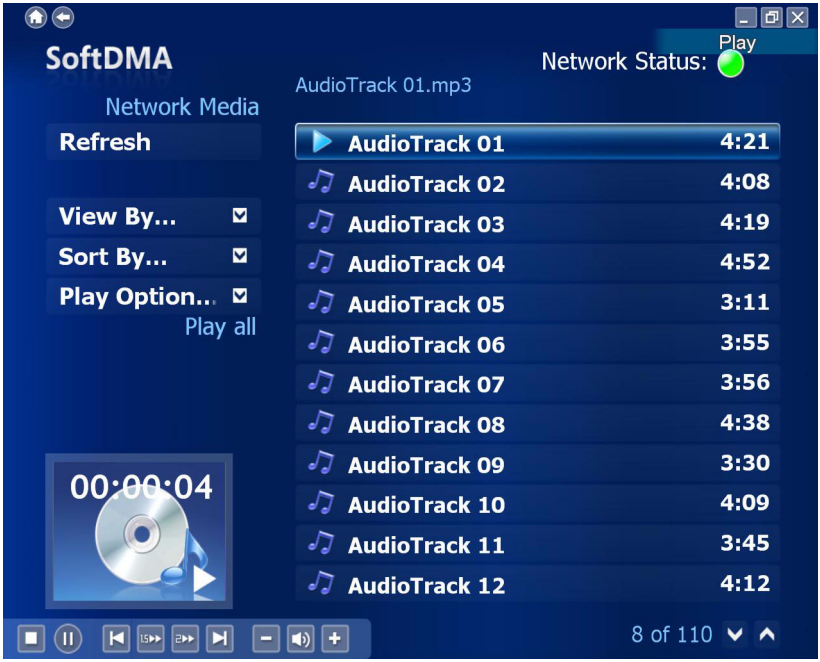
Selecting an individual picture displays it at full-screen. Select the **Play Slide Show** button to start a slideshow with all of the photos in the folder.



When viewing still pictures, the following special buttons are added to the player control panel: **Zoom In**, **Zoom Out**, **Pan Left**, **Pan Right**, **Pan Up**, **Pan Down**, **Rotate Left** and **Rotate Right**. Select the back button to return to the previous page. Select **Refresh** to refresh the file list.

Listening to Music

Select a song from the list to begin listening to it. Select from the **Play Option** drop down on the left whether to: **Play one file** - plays back the one song you selected; **Play All** - plays all the songs in the folder in order; **Repeat All** - continuously plays all of the songs in a folder; **Shuffle** - randomly plays all of the songs in a folder.



When listening to music, the following special buttons are added to the player control panel: **Fast forward 1.5X**, **Fast forward 2X**. Use the other player controls to control playback, adjust the volume or skip to the next/previous song.

> **Note:** During the playback of DMS protected files, certain button functions may not be supported.

Watching Videos

Select a video file to play and use the player control panel to control the playback.

> **Note:** Some video files are protected and require an activation key to be played back. CyberLink SoftDMA will prompt you when a key activation is required. You must be connected to the Internet to retrieve a key.

The playback progress bar appears displaying the elapsed and remaining video time.



Use the  **Video Info** button to display detailed information about the video. Select the back button to return to the previous page. Select **Refresh** to refresh the file list.

Note: If you wish to navigate through the Network Media content page while viewing a video, simply select the Back button and your video will continue to play in the lower left of the screen.