D-Link®

# User Manual

DSM-750

WIRELESS HD

# MEDIA CENTER EXTENDER

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# Safety Information

For optimum performance, please read the following information carefully.

**Safety Precautions**

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert users to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**CAUTION!**

**THE POWER SUPPLY CORD IS USED AS THE MAIN DISCONNECT DEVICE. ENSURE THAT THE SOCKET-OUTLET IS LOCATED/INSTALLED NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.**

**CAUTION!**

**TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR PRODUCT DAMAGE, DO NOT EXPOSE THE UNIT TO RAIN, MOISTURE, DRIPPING, OR SPLASHING. DO NOT PLACE OBJECTS FILLED WITH LIQUIDS UPON THE UNIT.**

**CAUTION!**

- **DO NOT INSTALL OR PLACE THIS UNIT IN A BOOKCASE, BUILT-IN CABINET OR IN ANOTHER CONFINED SPACE. ENSURE THE UNIT IS WELL VENTILATED. TO PREVENT RISK OF ELECTRIC SHOCK OR FIRE HAZARD DUE TO OVERHEATING, ENSURE THAT CURTAINS AND ANY OTHER MATERIALS DO NOT OBSTRUCT THE VENTILATION VENTS.**
- **DO NOT OBSTRUCT THE UNIT'S VENTILATION OPENINGS WITH NEWSPAPERS, TABLECLOTHS, CURTAINS, AND SIMILAR ITEMS.**
- **DO NOT PLACE SOURCES OF NAKED FLAMES, SUCH AS LIGHTED CANDLES, ON THE UNIT.**
- **DISPOSE OF BATTERIES IN AN ENVIRONMENTALLY-FRIENDLY MANNER.**

**CAUTION!**

**TO PREVENT ELECTRIC SHOCK, MATCH THE WIDE BLADE OF THE PLUG TO THE WIDE SLOT OF THE ELECTRICAL OUTLET AND FULLY INSERT.**

This device is designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use, and servicing. This device does not contain any user serviceable parts.

- **Carefully read and follow the Manual and Quick Setup Guide.**
- **Do not place the product near heat sources such as radiators, heat registers, stoves, or other products that produce heat.**
- **Do not use this product near water.**
- **Unplug the unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.**
- **Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them.**
- **Do not overload wall outlets.**
- **Do not use this product during a storm. Unplug the unit from the wall outlet, if the product is to be left unattended for a long period of time. This will prevent damage to the product due to lightning and power-line surges.**
- **Do not attempt to service this product yourself. Opening the cover may expose you to dangerous voltage or other hazards. For service, please contact a qualified service technician.**

## Radio and TV Interference:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

***Important Note:***
***Radiation Exposure Statement:***

*This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.*

*This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.*

*The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.*

***Industry Canada statement:***
This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

***Important Note:***
***Radiation Exposure Statement:***

*This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.*

*This device has been designed to operate with an antenna having a maximum gain of 2 dB. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.*

Disclaimers: Certain content and services accessible via the DSM-750 may include materials owned by third parties. The users shall be entirely responsible for ensuring that they have the necessary rights to access and use such third party content. D-Link assumes no liability for and shall not be responsible for a user's access of such content, including but not limited to unlawfully 'ripped' or downloaded content. Further, D-Link does not guarantee the availability of any third party content or services, including that which may be referenced herein, and shall not be responsible for any changes to or the lack of availability of such third party content or services.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 progressive scan picture problems, it is recommended that the user switch the connection to the "Standard Definition" output. If there are questions regarding our TV set compatibility with this model please contact our customer service center.

Subscription may be required to receive content from online services.

Certain features of this device may be unavailable when accessing stored media content on UPnP AV network attached storage devices.

USB flash drive and USB hard drive sold separately. D-Link is not responsible for damage to USB drives, or loss and/or damage to files on the USB drives, due to improper installation or usage.

This device supports the codec file formats listed herein, however D-Link cannot guarantee full compatibility or proper playback with all such codec files due to modifications and/or other variations that may occur with the end-user's encoded codec files. Certain file formats and/or features are not accessible from USB drives attached to the USB port.

Windows® Media Player 11 and Windows® Connect Now require Windows® XP SP2 or later, and can be downloaded using Windows update on your computer.

24/7 Technical Support available only in the U.S.A.

1-Year Warranty available only in the U.S.A. and Canada.

Latest Software and Documentation are available at http://support.dlink.com.

MPEG-4 contains Advanced Simple Profile only without quarter pixel or global motion compensation.

Maximum wireless signal rate based on IEEE Standard 802.11g and 802.11n specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead lower actual data throughput rate.

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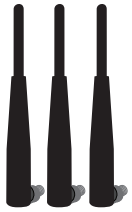
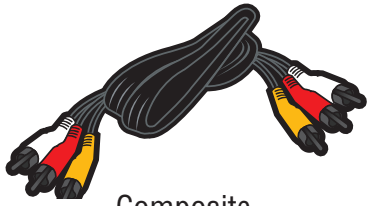
# Package Contents

D-Link DSM-750
Wireless HD Media Center Extender

Remote Control
(2 AA Batteries
Included)



Wireless
Antennas



Composite
Audio/Video Cable

Ethernet Cable

Software, Product
Documentation, and
Warranty on CD

Quick Setup Guide

***Note:*** *Please remove both protective plastic covers that is placed over the front of the DSM-750.*

# Minimum System Requirements

- Standard or HD Television with HDMI, Component Video, S-Video, or Composite Video Input
- TV, Stereo, or A/V Receiver with Optical Digital, Coaxial Digital, or Composite Audio Input
- Wired or Wireless Network (100Mbps Ethernet or Wireless Draft 802.11n Network is Recommended for Optimal Video Streaming)

FOR MEDIA CENTER EXTENDER MODE

PC with:

- 1GHz Processor
- 1GB RAM
- 200MB Hard Drive Space
- CD-ROM Drive
- Windows Vista® Home Premium or Ultimate
- To view live TV, a TV Tuner that supports Windows Vista is required

FOR D-LINK MEDIALOUNGE™ MODE

PC with:

- 500MHz Processor
- 128MB Memory
- 100MB Hard Drive Space
- CD-ROM Drive
- Windows Vista® Home Basic or XP

FOR INTERNET ACCESS

- Broadband Modem
- Router
- Subscription with an Internet Service Provider (ISP)

# Introduction

D-Link® introduces the latest addition to its multimedia family of products: the ***D-Link DSM-750 Wireless High-Definition (HD) Media Center Extender***. Using your home entertainment center from the comfort of the living room, the DSM-750 includes everything you need to instantly access and play music, videos, and photos. If you have Windows Vista® Home Premium or Ultimate, the Media Center Extender makes it possible to watch recorded and live TV, timeshift through live TV, and access Online Media on your television. The DSM-750 features 802.11g and draft 802.11n wireless technology and can also connect to a wired network. These options provide you with the maximum throughput for sharing and transferring digital media.

If you do not have Windows Vista Home Premium or Ultimate yet, you can still use the DSM-750 in MediaLounge mode to share music, photos, and video files from your Windows Vista Home Basic or XP computer.

Simple to set up with a sleek design that makes it a natural addition to any home entertainment center. The AV connectors on the back panel of the DSM-750 allow for direct connection to your television or home theater system. Use the included remote control to access media content stored on your PC. Browse music files, watch videos, and display photos, all on your television!

USB Direct playback is also available through the DSM-750. The USB connector is located on the front panel, which allows for easy access to music, photos, and videos stored on removable USB flash drives.

The DSM-750 supports the majority of audio, video, and image file formats by using the Windows Media Center. You can stream MP3, WMA, WAV, FLAC, OGG Vorbis, and AIFF files from your computer and enjoy them on your home stereo system. Watch stored videos in H.264 (including Matroska .mkv files), VC-1, WMV9, MPEG1/2/4, AVI, Xvid, or DVR-MS (recorded TV from Windows Media Center) on your television. Enjoy slideshows of your favorite photos in JPEG, JPEG2000, TIFF, GIF, BMP or PNG formats. Better yet, it's easy to access the files through the television interface using the remote control included with the DSM-750. Dynamic on-screen menus provide for easy to use navigation.

The DSM-750 is capable of playing back High-Definition video files with support for resolutions up to 1080p and includes the latest High-Definition Multimedia Interface (HDMI) connection. Connect the DSM-750 to your television using HDMI and experience the highest quality digital video signal.

# Features

- Stream media content from a PC or D-Link Network Attached Storage to your entertainment center.
- Stream live TV from a Vista® Home Premium/Ultimate PC that has a TV tuner.
- Experience Windows Media Center on your TV from your Windows Vista Ultimate or Home Premium PC.
- Access Windows Media Center's Online Media, Video, Photo, Music, Internet TV, and more…
- Supports WMV9 video files, as well as H.264 (including Matroska .mkv files), VC-1, MPEG 1/2/4, XVID, and AVI.
- High-Definition (HD) video files with support for resolution up to 1080p.
- Listen to digital music on your stereo system, including FLAC audio files.
- View digital photos, slideshows, and videos on TV.
- Convenient access to media content stored on a USB drive using the front panel USB connector.
- Access to Online Media, such as Internet radio from Live365, vTuner, and Rhapsody.
- Connect using an Ethernet network cable at up to 100Mbps.
- Easily connect to your wireless network using 802.11a/b/g/n.
- Dual band 11n wireless works at 2.4GHz, and 5GHz for best possible streaming of HD video.
- UPnP AV compliant to support standard Media Server software, such as Windows Media Player 11 ot the D-Link DNS-323.
- Support for most popular digital media formats.
- Remote controlled TV interface for quick access to your media content.
- Sleek design complements your existing audio/video equipment.
- Optical and coaxial digital audio output.
- Component, Composite, S-Video, and HDMI video outputs.
- 64-bit or 128-bit WEP security, WPA™ PSK support, and WPA2™ PSK support.
- Supports DHCP for easy connection to your home network.
- Dynamic on-screen menus and a built-in screensaver.
- Time-Shift TV - Rewind and pause while watching live TV.
- Record TV up to two weeks in the future.
- Easy setup wizard

# Hardware Overview
## Front Panel

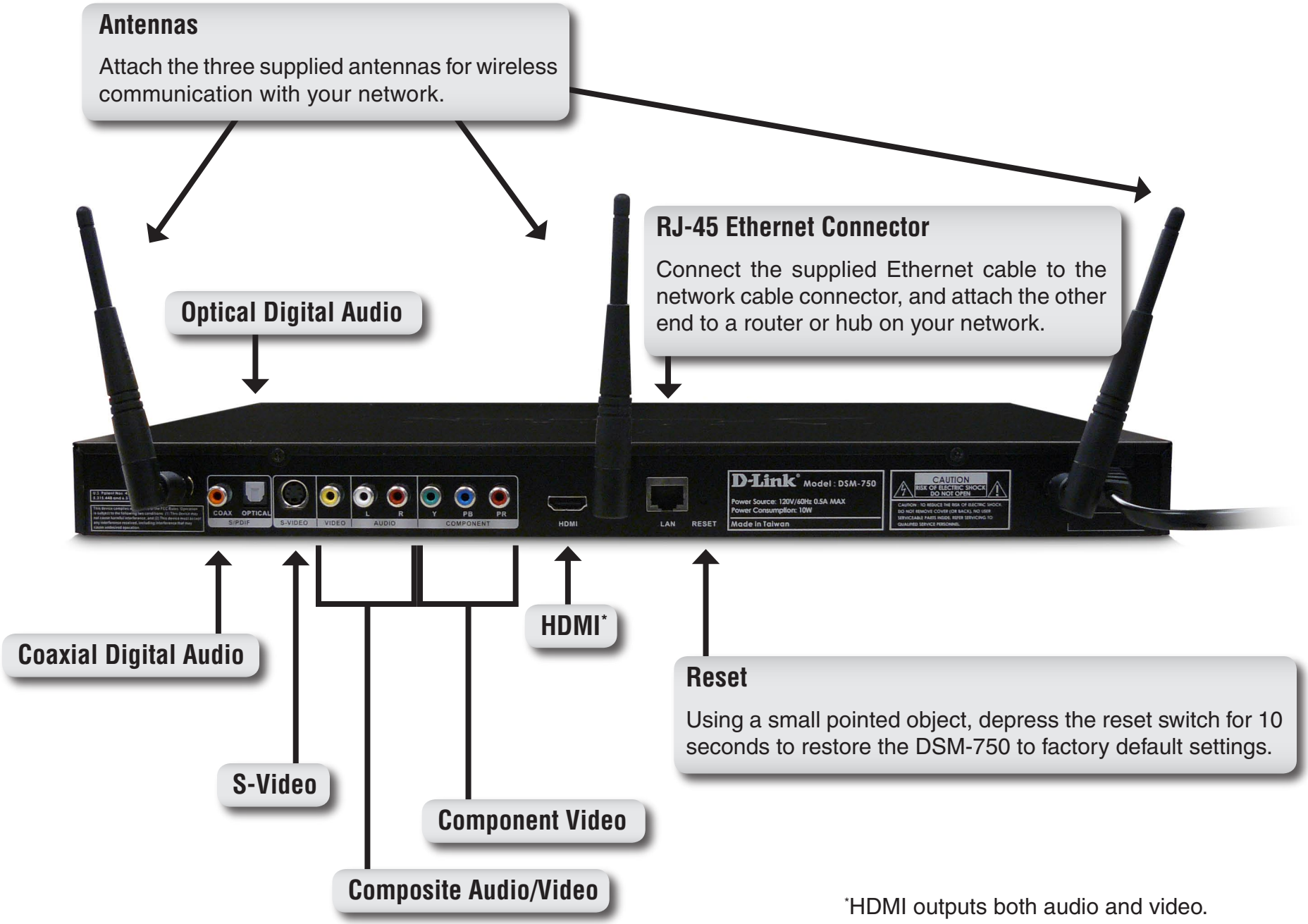
### USB Port

Insert a USB thumb drive to view additional videos, music, and photos.

### Power Button

Press the **Power** button on your remote control and the device's power button will illuminate. You may also press the power button located here on the DSM-750 front panel.

# Back Panel




*HDMI outputs both audio and video.

# Using the Remote Control

| | |
|---|---|
| **(1) Power** | Turn the DSM-750 ON or OFF. |
| **(2) Player Functions** | |
| **Play** | Plays music, photo slideshows, videos, live TV and recorded TV. |
| **Record** | Starts recording Live TV in Extender mode. |
| **Stop** | Stops playing any media file, live TV or recorded TV. |
| **Rewind** | Rewinds music, video files, live TV and recorded TV. |
| **Fast Forward** | Fast forwards through music, video files, “timeshifted” live TV and recorded TV. |
| **Skip backward** | Selects previous music track or photo. In Extender mode during “timeshifted” live TV and recorded TV, this button rewinds back 10 seconds. |
| **Skip forward** | Selects the next music track or photo. In Extender mode during “timeshifted” live TV and recorded TV, this button moves ahead 30 seconds. |
| **Pause** | Pauses music, photo slideshows, videos, live TV and recorded TV. |
| **(3) More Info** | Information about the selected media file appears. |
| **(4) Back** | Returns to the previously viewed page. |
| **(5) OK / Navigation Arrows** | Selects currently highlighted options and begins playing the selected media file. Also “jumps” to previously selected Live TV channel in Extender mode. |
| **(6) Windows Media Center** | When in MediaLounge mode, this button starts the Media Center Extender mode. Jumps to the Media Center home screen when already in Media Center Extender mode. |
| **(7) Page UP / DOWN** | Moves up or down a page in a list of media files. |
| **(8) Channel UP / DOWN** | Changes the current Live TV channel being viewed up or down (Extender mode only). |
| **(9) MediaLounge™ Mode** | When in Media Center Extender mode, this button starts the MediaLounge mode. Jumps to MediaLounge home screen when already in MediaLounge mode. |
| **(10) Recorded TV** | (Works in Extender mode only). Jumps to the **Recorded TV** page of Windows Media Center. |
| **(11) Options** | In MediaLounge mode, displays music, photo, and video shortcuts. In **Photos**, a photo toolbar is displayed (rotate, zoom, and pan). |
| **(12) Guide** | (Works in Extender mode only). Jumps to the television viewing guide. |
| **(13) Live TV** | (Works in Extender mode only). Displays the currently selected television channel. |

| | |
|---|---|
| **(14) Alphanumeric Keypad** | Enter alphanumeric characters (alphabet and numeral characters can be entered). |
| **(15) ENTER** | Selects currently highlighted selection. Same as **OK** button above. |
| **(16) CLEAR** | Clears any text that was entered by the On Screen Keyboard or number keys. |
| **(17) SEARCH** | (Works in MediaLounge mode only) Jumps to the **Search** page when in **My Media** to search for music, photos or videos. |
| **(18) REPEAT** | (Works in MediaLounge mode only) Repeats playback of a single selected music track or multiple music tracks. |
| **(19) AUDIO TRACK** | (Works in MediaLounge mode only) Toggles between audio tracks in a supported video file with multiple tracks. |
| **(20) SHUFFLE** | (Works in MediaLounge mode only) Shuffles the playback order of music tracks in a folder or playlist. |
| **(21) Teletext Mode** | Toggles between supporting the 4 color-coded Teletext buttons for Europe and MediaLounge mode buttons below the Teletext button. |

***Note:*** *The DSM-750 remote control does not have volume control buttons, nor does it have a mute button. It is recommended that you use your audio device's remote control to control the volume.*

# Connecting the DSM-750

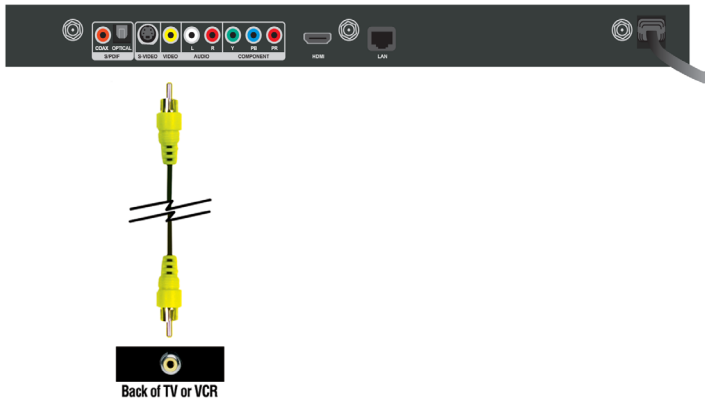
All audio, video, and networking connections are located on the rear panel of the DSM-750.

## Video Connections

Select one of four ways to connect video to your DSM-750:

### Composite Video Connector

Plug the **supplied** yellow video cable into the VIDEO connector on the DSM-750 and the matching opposite end of the cable to your television input.




### S-Video Connector

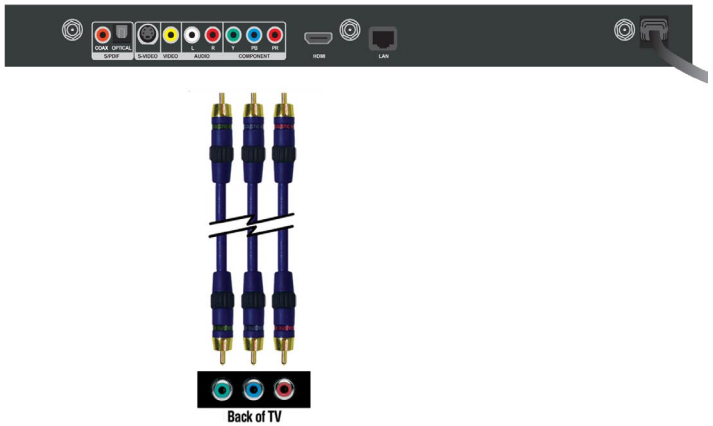
Plug the S-Video cable into the S-VIDEO connector on the DSM-750 and the opposite end into the S-Video connector on your television.

***Note:*** *This cable is not supplied.*

## Component Video Connectors

Match the color coded cables to the matching COMPONENT connectors on the DSM-750 and the opposite end into the component video input of your television. This connection supports HD video resolution up to 1080i.

***Note:*** *This cable is not supplied.*



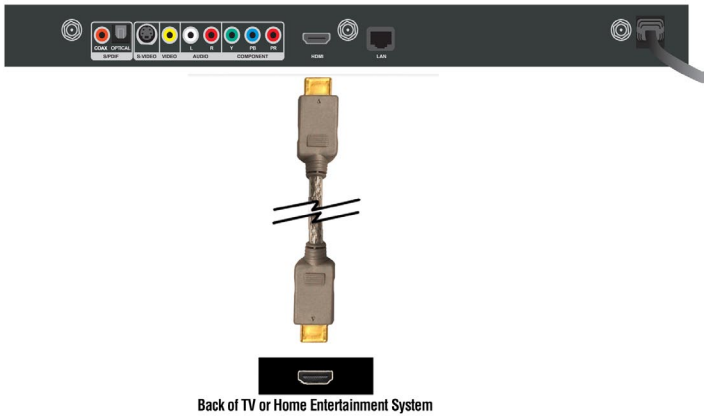

## HDMI

Plug the HDMI cable into the HDMI connector on the back panel of the DSM-750.

Plug the opposite end to the matching HDMI connector on your television or audio/video system. HDMI provides the best video quality resolution up to 1080i, plus audio support.

High-Definition Multimedia Interface (HDMI) supports standard, enhanced, or high-definition video, plus digital audio on a single cable.

***Note:*** *This cable is not supplied.*



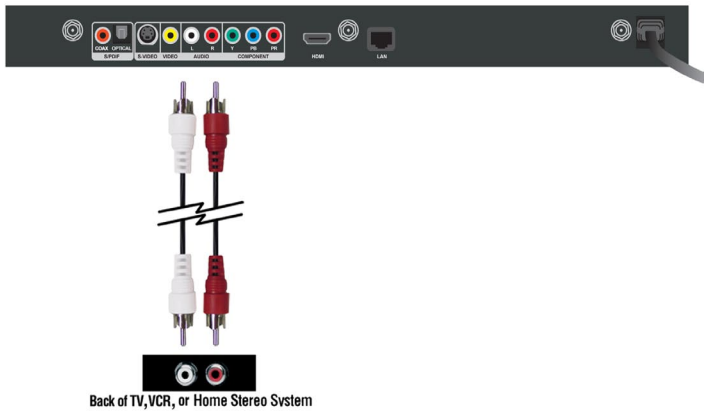
# Audio Connections

Select one of three ways to connect audio to your DSM-750:

### Composite Audio

Plug the **supplied** red and white connectors into the AUDIO (color-coded matching) connectors on the DSM-750.

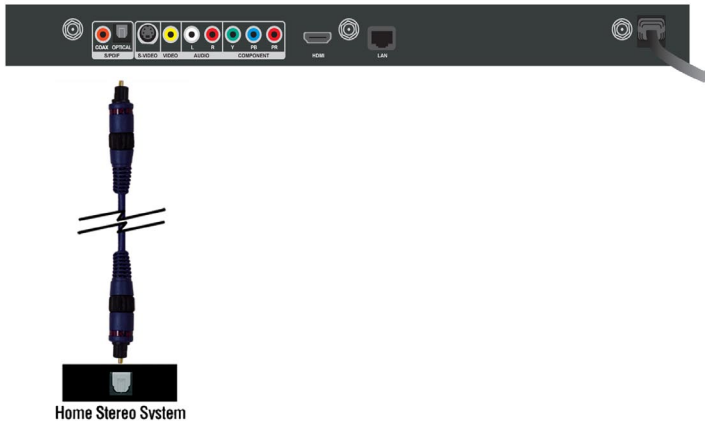
Plug the opposite ends to the matching connectors on your television or audio/video system.




### Optical Digital Audio

Connect an optical audio connector into the OPTICAL connector on the DSM-750 and the matching opposite end of the cable to the audio input of your audio system.

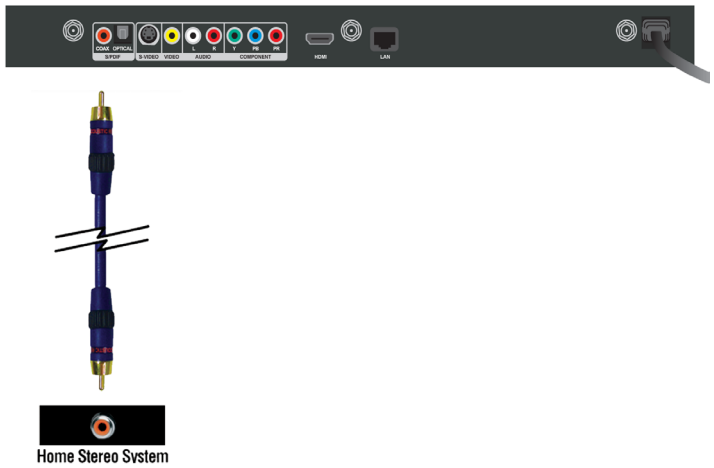
***Note:*** *This cable is not supplied.*



## Coaxial Digital Audio

Connect a coaxial digital audio connector into the COAX connector on the DSM-750 and the matching opposite end of the cable to the audio input of your audio system.

***Note:*** *This cable is not supplied.*



# Network Connections

Select one of two ways to connect your DSM-750 to your network:

### RJ-45 Ethernet Connector

Connect the supplied Ethernet cable to the network cable connector, and attach the other end to a router or hub on your network.

### Wireless Antennas

Attach the supplied three antennas by threading them onto the “gold” antenna connectors located on the back of the DSM-750. Be sure the antennas are secure and in an upright position.

***Note:*** *If you place the DSM-750 in an enclosed area (e.g. an entertainment center) you may need to obtain an extension antenna to provide an optimal wireless signal.*

# Setup

If you have Windows Vista® Ultimate, Home Premium or later, and want to use your DSM-750 as a Media Center Extender, you will need to get the Media Center Extender Update for the Windows Vista PC by either:

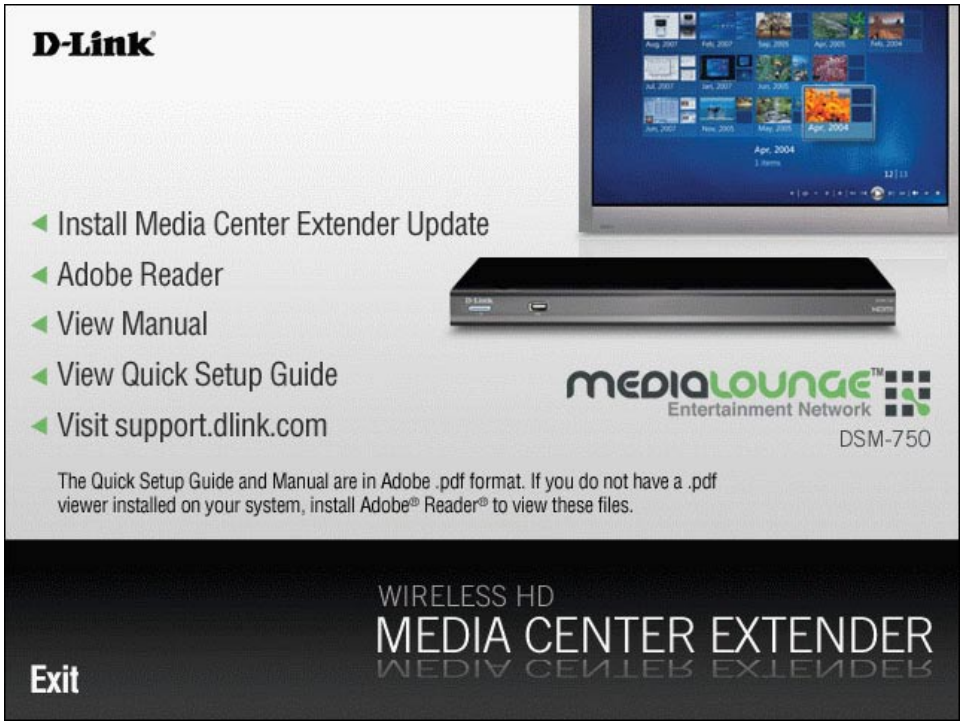
- Make sure your Windows Vista PC has the SP1 (Service Pack 1) update installed. Most PCs with Vista already have SP1 installed. Otherwise, install the Microsoft Vista SP1 update, which is available from Windows Update or microsoft.com.

or

- Insert the setup CD into your PC's CD-ROM drive and click on the **Install Media Center Extender Update** option on the setup CD.

***Note:*** *If you see the "**Update does not apply to your system**" message, then the Media Center Extender Update is already installed and your Vista PC is ready to work with the DSM-750.*

Click **Install Media Center Extender Update**




***Note:*** *Insert the setup CD into your PC's CD-ROM drive to access the DSM-750 Manual and Quick Setup Guide. Also check support.dlink.com for the latest User Manual and Quick Setup Guide.*

# Wired Setup

***Note:*** *If you choose to connect to a wireless network, please skip to the* ***Wireless Setup*** *section on page 27.*

For the quickest and easiest installation, it is **highly** recommended that DHCP is enabled. Most networks have DHCP enabled to allow new devices on the network to connect automatically.

Make sure the DSM-750 is properly connected to your router with the supplied Ethernet cable.

After plugging in the Ethernet cable, plug the end of the DSM-750 power supply cord into a power outlet. Position your media player so that you can see it from where you view your TV. Power on the DSM-750 by pressing the **Power** button on the included DSM-750 remote control.

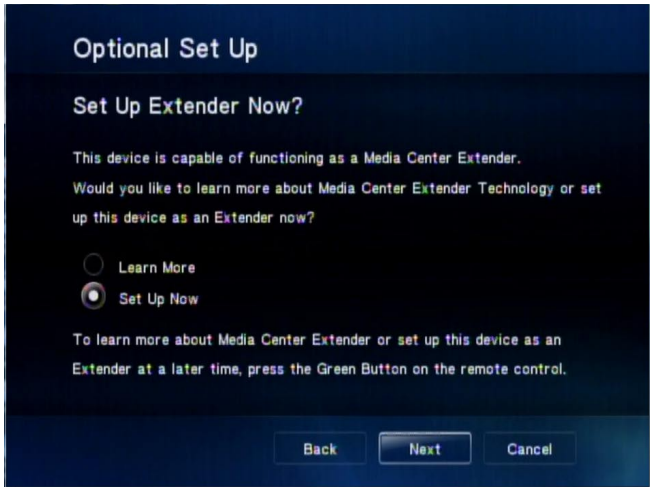
***Note:*** *Make sure your media player is not behind the TV so you can use your DSM-750 remote control.*

Using the TV's remote control, turn on your TV and select the correct audio/video input source. When the correct audio/video input source is selected, you will see the MediaLounge™ startup screen or **Optional Set Up** screen.

***Note:*** *If you don't remember how to change TV inputs, refer to the TV User Manual for instructions.*

# Media Center Extender Optional Set Up

If you are **NOT** using your DSM-750 as a Media Center Extender, click **Cancel**. If you have Windows Vista® Home Premium or Ultimate, and you want to set up the Extender, skip to the following page. Setting up the DSM-750 as a Media Center Extender allows a Windows Vista Home Premium or Ultimate based PC to share the Media Center experience on your TV. If you only have Windows Vista Home Basic or XP, you will only have access to the MediaLounge™ mode.

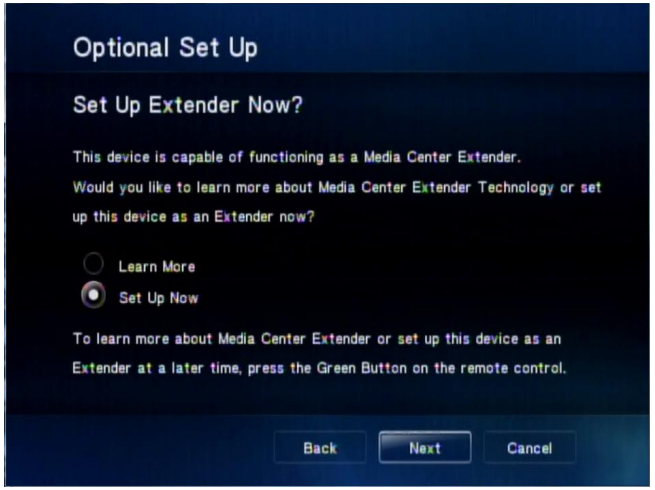



Click **Cancel**

After clicking **Cancel**, click **Finish**. DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-750 to be set automatically. If DHCP is enabled on your network, your wired setup is complete and the DSM-750 MediaLounge home screen will appear. Please skip to page 39.

***Note:*** *DHCP allows devices to be added to the network with minimal or no manual configuration.*
If you **ARE** using your DSM-750 as a Media Center Extender, click **Next**.

Click **Finish**




Click **Next**

On the following screen, click **Next** again to continue.

***Note:*** *You can also setup your DSM-750 as a Media Center Extender at a later time.*

***Note:*** *If DHCP is enabled, please skip to the "**8-Digit Setup Key**" section on page 38. If DHCP is **NOT** enabled, please continue to the "**Configure Your Network Settings Manually**" section on the following page.*
*DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-750 to be set automatically.*

Click **Next**

# Configure Your Network Settings Manually

Use your remote control number keypad, or select the numbers from the on-screen number pad, to enter your wired network's IP address.

Once you have entered your IP address, use your remote control to navigate to the **Next** option and press **OK**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on-screen number pad, to enter your wired network's Subnet mask.

Once you have entered your Subnet mask, use your remote control to navigate to the **Next** option and press **OK**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on-screen number pad, to enter your wired network's Internet gateway.

Once you have entered your Internet gateway, use your remote control to navigate to the **Next** option and press **OK**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on-screen number pad, to enter your wired network's DNS server.

Once you have entered your DNS server, use your remote control to navigate to the **Next** option and press **Enter**.

Please wait while the DSM-750 connects to your network. After connecting successfully to the DSM-750, please skip to the "**8-Digit Setup Key**" section on page 38.

***Note:*** *If you are unable to connect to your network, please check your network connections or contact your network administrator.*

Click **Next**

# Wireless Setup

Make sure the supplied three antennas are properly attached onto the “gold” antenna connectors located on the back of the DSM-750, and that the antennas are secure and in an upright position.

For the quickest and easiest installation, it is **highly** recommended that DHCP and SSID broadcast are enabled. Most networks have DHCP and SSID broadcast enabled to allow new devices to find the wireless network and connect automatically.

After you’ve connected the antennas, plug the end of the DSM-750 power supply cord into a power outlet. Position your media player so that you can see it from where you view your TV. Power on the DSM-750 by pressing the **Power** button on the included DSM-750 remote control.

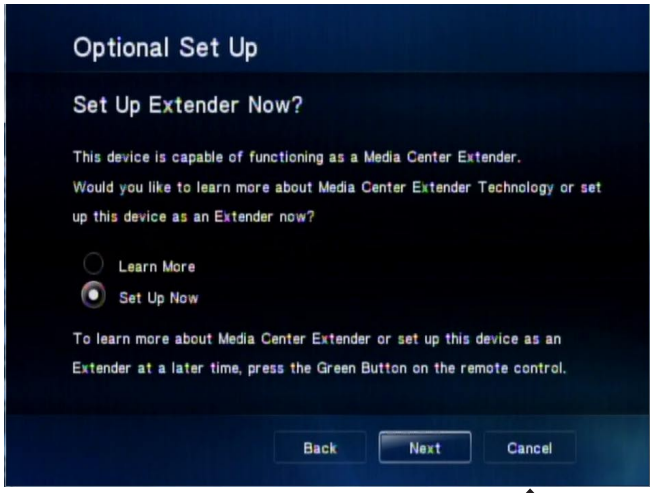
***Note:*** *Make sure your media player is not behind the TV so you can use your DSM-750 remote control.*

Using the TV’s remote control, turn on your TV and select the correct audio/video input source. When the correct audio/video input source is selected, you will see the MediaLounge™ startup screen or **Optional Set Up** screen.

***Note:*** *If you don’t remember how to change TV inputs, refer to the TV User Manual for instructions.*

# Media Center Extender Optional Set Up

If you are **NOT** using your DSM-750 as a Media Center Extender, click **Cancel**. If you have Windows Vista® Home Premium or Ultimate, and you want to set up the Extender, skip to the following page. Setting up the DSM-750 as a Media Center Extender allows a Windows Vista Home Premium or Ultimate based PC to share the Media Center experience on your TV. If you only have Windows Vista Home Basic or XP, you will only have access to the MediaLounge™ mode.



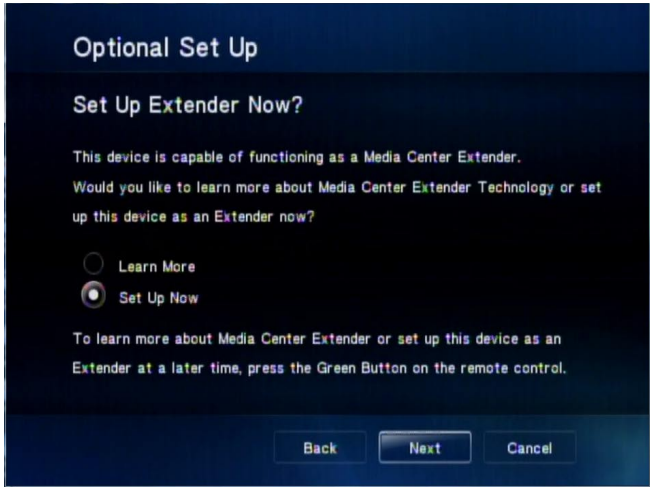

Click **Cancel**

After clicking **Cancel**, click **Finish**. DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-750 to be set automatically. If DHCP is enabled on your network, the **Setup Wizard** screen will appear. Please skip to page 30 to continue with the **Setup Wizard**.

***Note:*** *DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-750 to be set automatically.*

Click **Finish**

If you **ARE** using your DSM-750 as a Media Center Extender, click **Next**.




Click **Next**

On the following screen, click **Next** again to continue.

***Note:*** *You can also setup your DSM-750 as a Media Center Extender at a later time.*

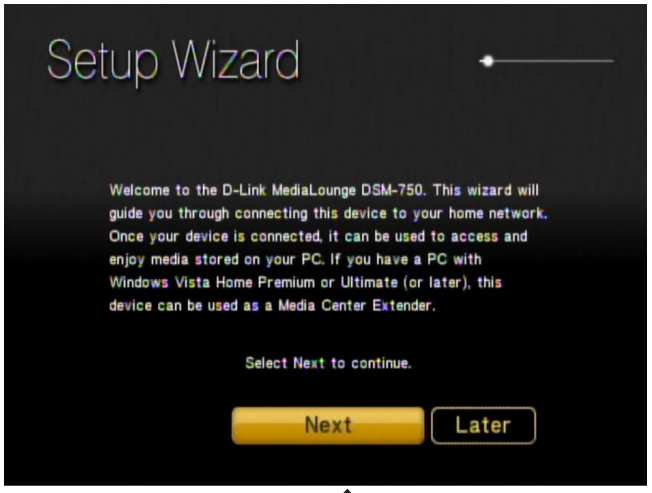
***Note:*** *If DHCP is* ***NOT*** *enabled, you will have to enter your network settings manually to complete the* ***Setup Wizard****.*
*DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-750 to be set automatically.*

Click **Next**

# Setup Wizard

Follow the on screen instructions to continue with the wireless network setup.

Click **Next** to begin the Wireless Setup Wizard.




Click **Next**

Please wait while the DSM-750 searches for available wireless networks.

***Note:*** *If your router's SSID broadcast is turned off, please use your remote control to select* ***Manual Setup****. If you clicked* ***Manual Setup****, please continue to the following page. If you did not click* ***Manual Setup****, please skip to page 31.*

# Manual Setup

***Note:*** *This page can be skipped by most users if SSID broadcast is enabled.*

By using the remote control's alphanumeric keypad, or the On Screen Keyboard, you may enter your wireless network's name. When you have completed entering the network name, use the down arrow to select **Next**.

***Note:*** *If your wireless network is not found, refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for information as to why this may have happened.*

Click **Next**

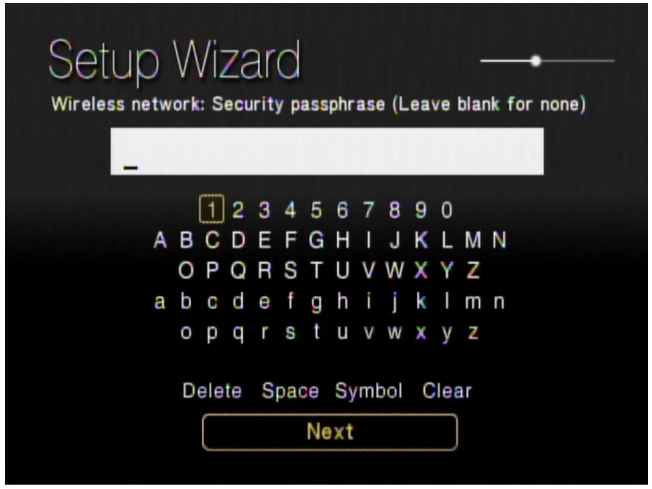
By using your remote control, navigate through the encryption type list by either pressing the up or down arrow. Once you find your network's encryption type, use your remote control to click it. Please continue to the "**Encryption**" section on the following page.

Select your wireless network from the list of networks that appear.

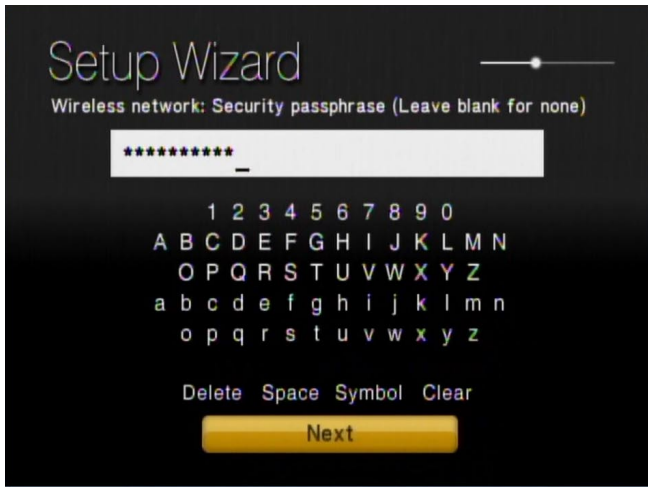
***Note:*** *If you do not see your wireless network, refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for information as to why this may have happened.*

## Encryption

If your wireless home network is using wireless encryption, you will need to provide the DSM-750 with the network security passphrase. By using the On Screen Keyboard, you may enter the network security passphrase.



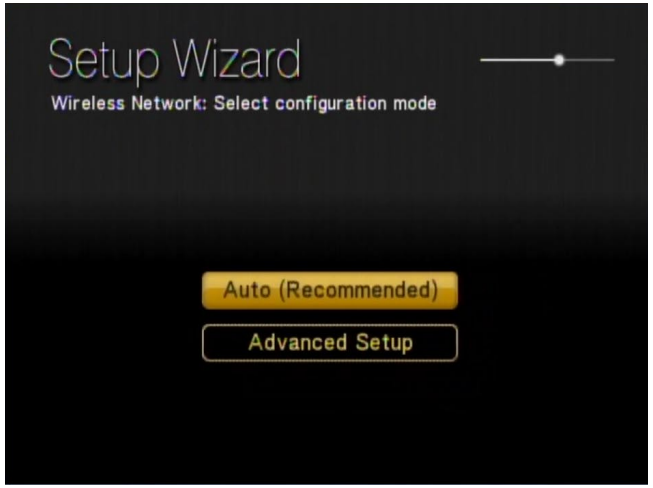
When you have completed entering the network security passphrase, use the down arrow to select **Next**.




***Note:*** *This passphrase must* ***exactly*** *match the network security passphrase, consult your network administrator for more information.*

Click **Next**

If DHCP is enabled on your network, select **Auto (Recommended)**. If DHCP is not enabled on your network, select **Advanced Setup** to enter the wireless network settings manually.




***Note:*** *If you selected* ***Advanced Setup****, please skip to "****Configure Your Network Settings Manually"*** *on the following page. If you selected* ***Auto (Recommended)****, please skip to the "****Completing the Setup Wizard****" section on page 36.*

# Configure Your Network Settings Manually

***Note:*** *Skip this section if DHCP is enabled on your network.*

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's IP address.

Once you have entered your IP address, use your remote control to navigate to the **Next** option and press **Enter**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's Subnet mask.

Once you have entered your Subnet mask, use your remote control to navigate to the **Next** option and press **Enter**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's Internet gateway.

Once you have entered your Internet gateway, use your remote control to navigate to the **Next** option and press **Enter**.

Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's DNS server.

Once you have entered your DNS server, use your remote control to navigate to the **Next** option and press **Enter**.

Please wait while the DSM-750 connects to your network.

***Note:*** *If you are unable to connect to your network, please contact your network administrator.*

Click **Next**

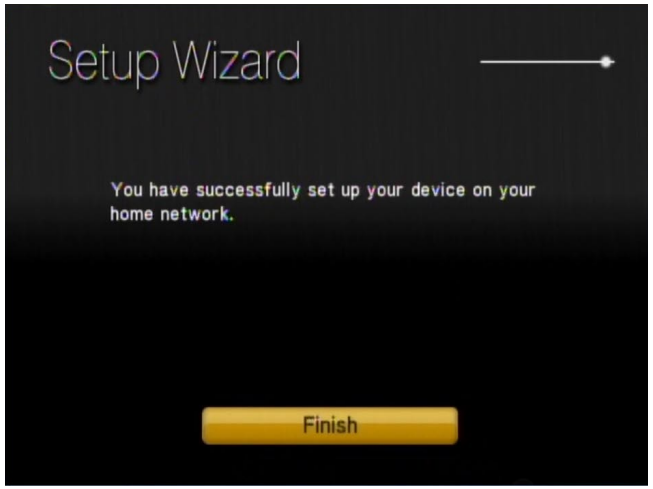
# Completing the Setup Wizard

Connecting to the wireless network may take up to a minute.

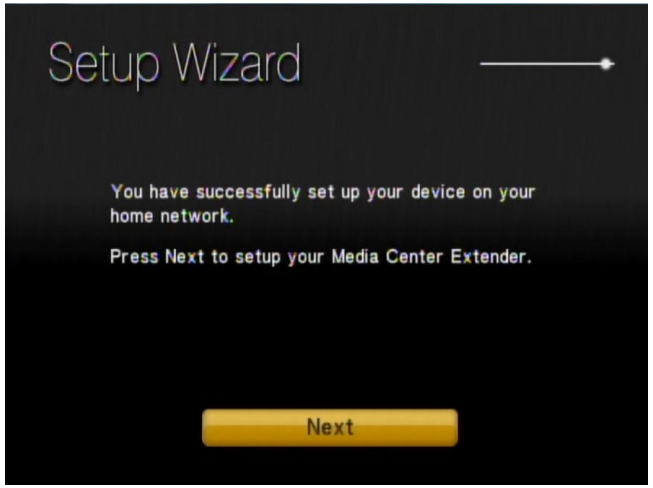
The "You have successfully set up your device on your home network" message should appear.

If you chose **NOT** to setup the DSM-750 as a Windows Media Center Extender, click **Finish**. Your wireless setup is complete and the DSM-750 MediaLounge™ home screen will appear. Please skip to page 39.

***Note:*** *If you did not receive the "successful" message mentioned here, please refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for more information.*



If you **ARE** using the DSM-750 as a Media Center Extender, click **Next** to continue.



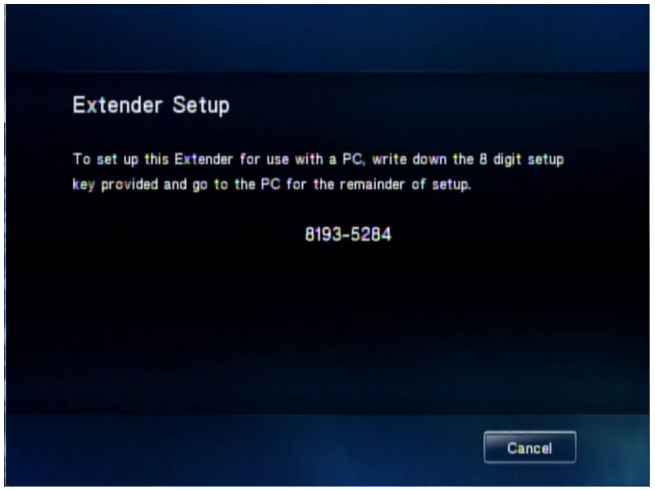

Click **Next**

On the **Extender Setup** screen, click **Next** again.

Click **Next**

# 8-Digit Setup Key

An 8-digit Setup Key will appear on the TV. Please write down or remember this 8-digit Setup Key and then go to your PC to finish the setup.

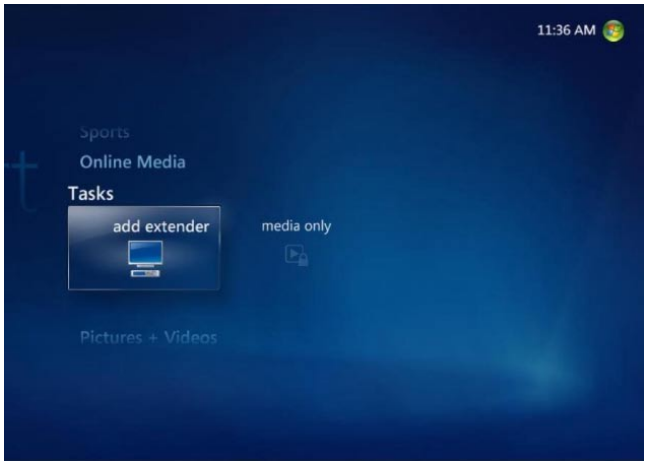



# Complete Extender Setup

While at your PC, click **Start** and select **Windows Media Center**. Select **Tasks** by scrolling down the menu. Once you are in **Tasks**, scroll right and click on **Add Extender**.

Follow the on screen instructions to enter the 8-digit Setup Key and to configure Windows® Media Center for your DSM-750.

Congratulations, your Extender setup is complete.



# Windows® Media Player 11 Setup

To get the most out of the DSM-750 Media Center Extender, and to enjoy the Windows Media Center experience on your TV by using the DSM-750, a PC with Windows Vista Home Premium or Ultimate is required. If you are not yet ready to experience Windows Media Center from your DSM-750, you can still view photos or videos, or listen to music, from a Windows Vista Basic or Windows XP computer.

The following instructions below only need to be performed if you are not using the DSM-750 as a Media Center Extender and will be using the MediaLounge mode to share music, photos, or videos.

To share audio, video, and photo files from your computer, it is necessary to have Windows Media Player 11 or another UPnP™ AV media server software on the PC. Windows Media Player 11 software allows you to share your PC's audio, video, and photo files with your media player. Windows® Media Player 11 software then streams the content to your DSM-750 via your wired/wireless network connection.

If more than one PC contains files you want to share, you can select one of the following options:

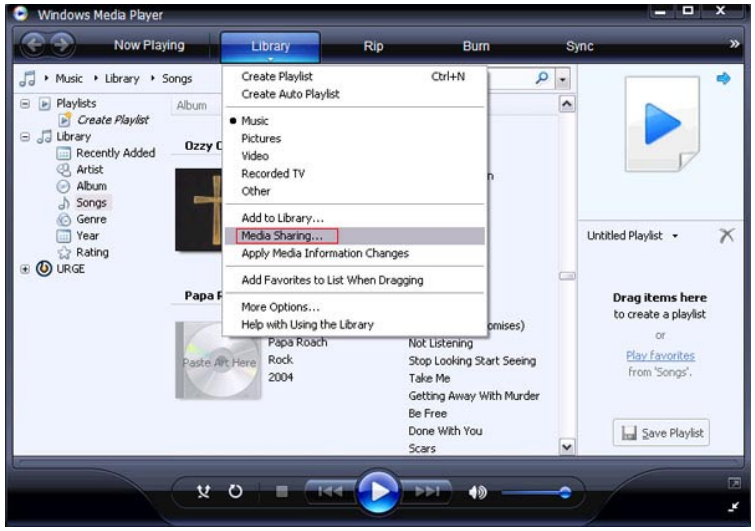
1. Copy all of the files to one computer designated to run the Windows Media Player 11 software.
2. Map network drives on the computer with the Windows Media Player 11 software to additional computers that contain files you want to share. This method also allows you to share files from computers that cannot run the Windows Media Player 11 software such as Macintosh systems. The computer running the Windows Media Player 11 software must always be on when streaming content from any computer.

***Note:*** *In order to share files from your MAC to your PC you must turn on Windows sharing from Preferences Menu and select Sharing.*

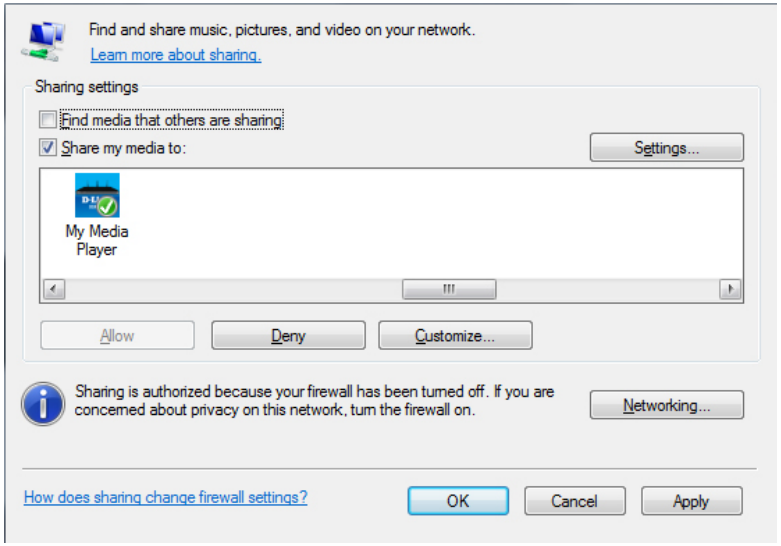
3. Configure the Windows Media Player 11 software on each computer.

4. All versions of Windows Vista include Windows Media Player 11. Windows XP offers Windows Media Player 11 as a free update from Windows Update, or you can download Windows Media Player 11 by visiting microsoft.com.

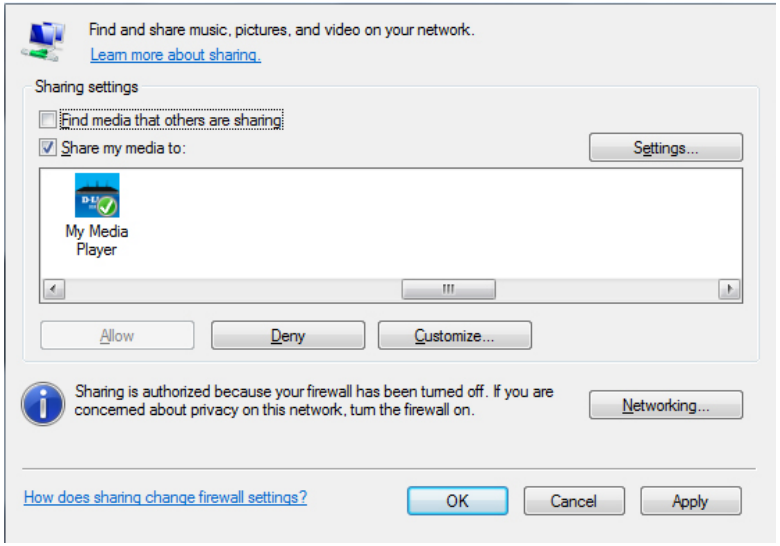
In order to share media to your DSM-750 using Windows® Media Player 11, you must first allow your media player access in the software. Click the down arrow under **Library** and select **Media Sharing**.




Click the **Share my media to:** check box. Select your **D-Link DSM-750** media player from the *Media Sharing* box and then click the **Allow** button.

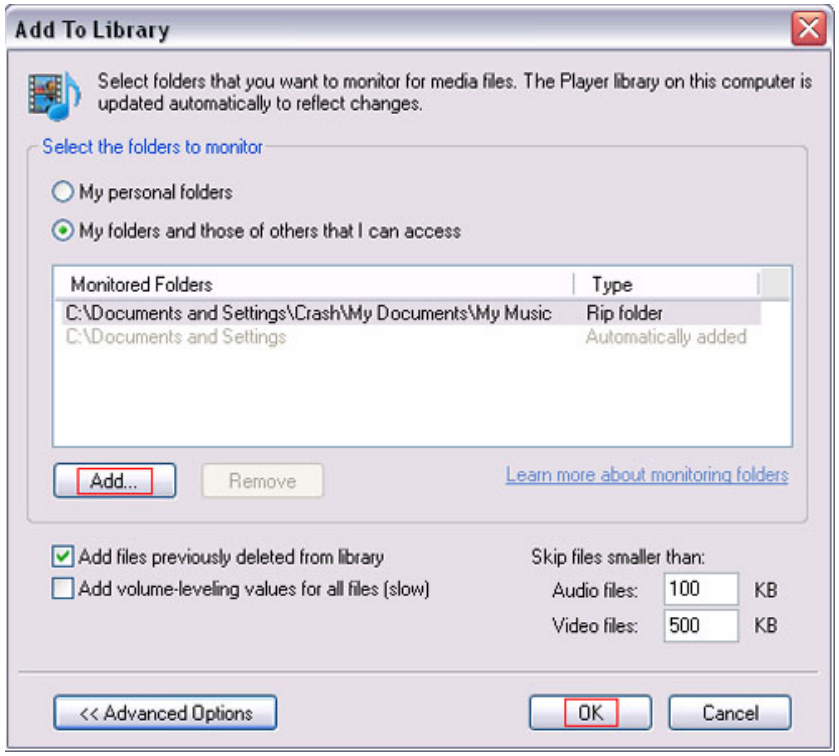


Your device will now have a green check mark. Click **Apply** and then click **OK**.

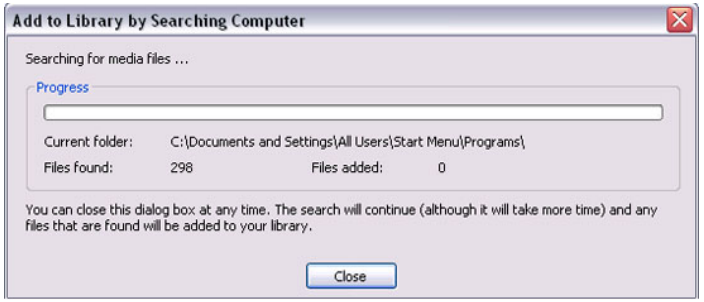



Now you need to add the folders containing media you want shared with your DSM-750. Click on **Library** and then click on **Add to Library**.

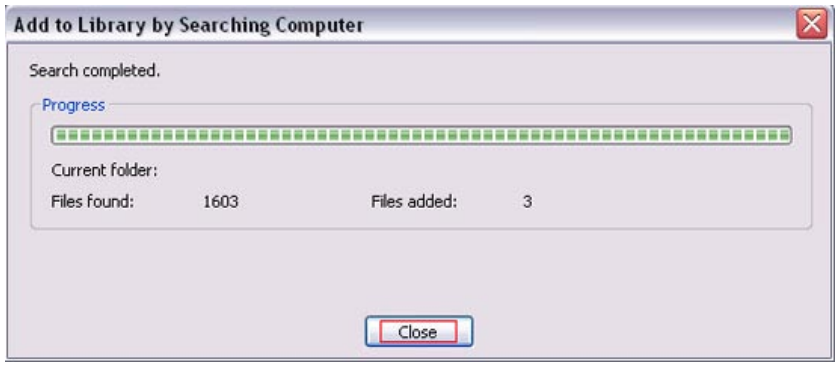
Click the **Advanced Options** button in the bottom left-hand corner. Click **Add** and choose the folders with media you wish to be shared. If you have folders in other areas of your hard drive or on other drives in your PC or network, you will need to select the **Add** button and select each folder manually. Once you have added the folder(s) you want to share click **OK**.




Windows® Media Player 11 will now search for supported media files in the folders you selected to share.



Click **Close** and you are ready to use Windows® Media Player 11 as your server.

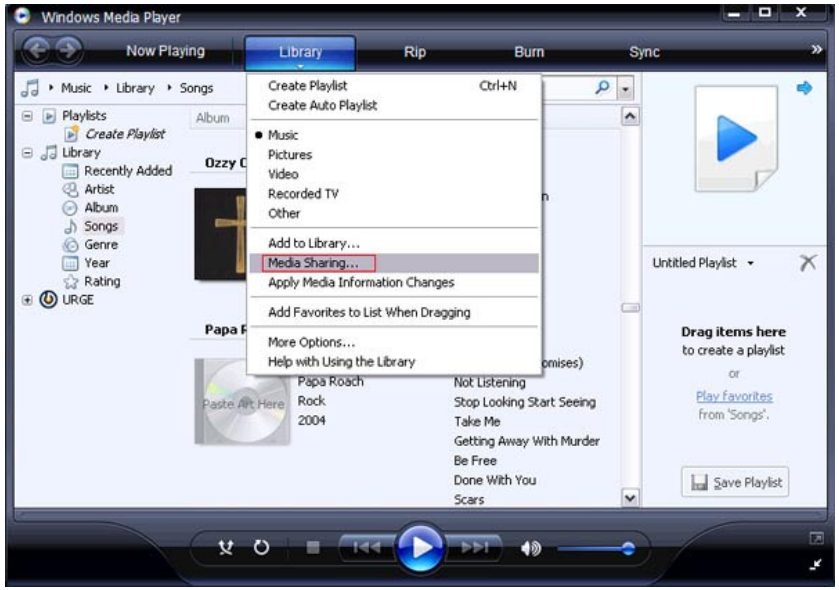



You can now return to your TV and select the Windows Media Server from **My Media** on the DSM-750 Home Page**.**

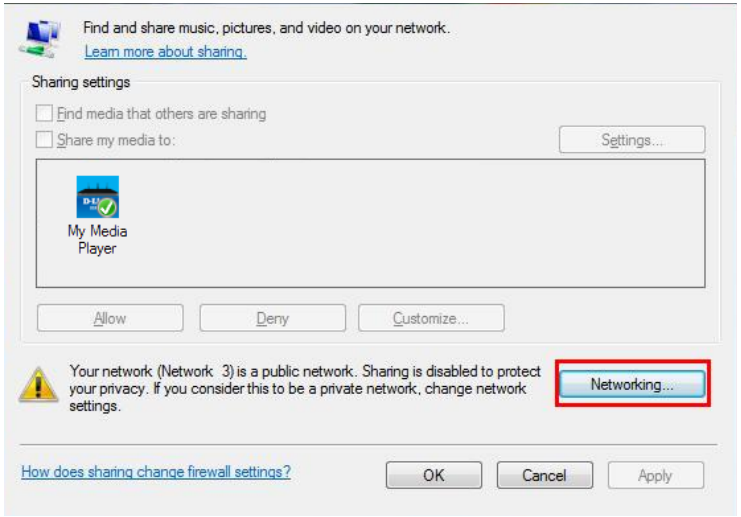
Once you have confirmed that your Windows® Media Player sharing has been enabled and is showing on your D-Link DSM-750 you can select your Music, Photos or Videos after selecting the Windows Media Player 11 media server.

If you are using Windows Vista® and Media Sharing is disabled, follow these steps to enable media sharing:

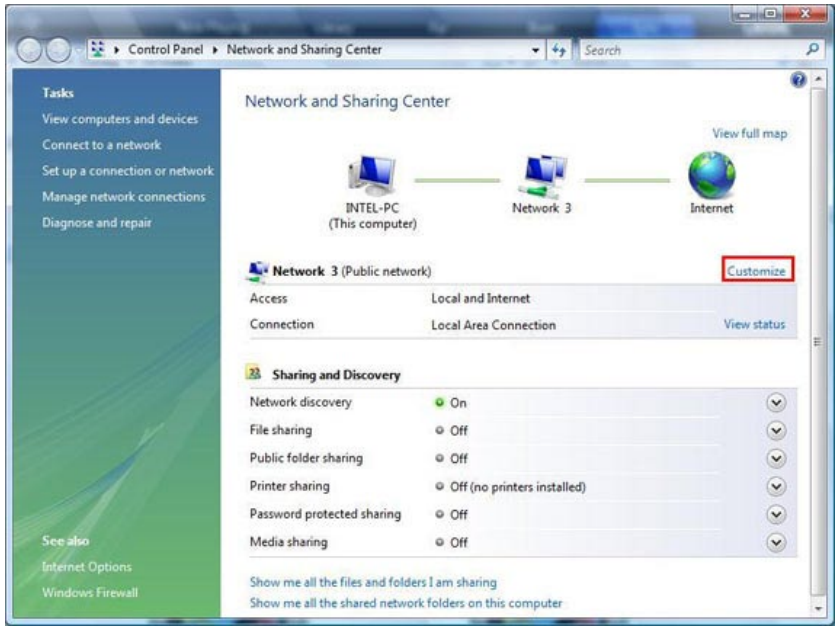
Open Windows Media Player 11. Click the down arrow under **Library** and select **Media Sharing**.



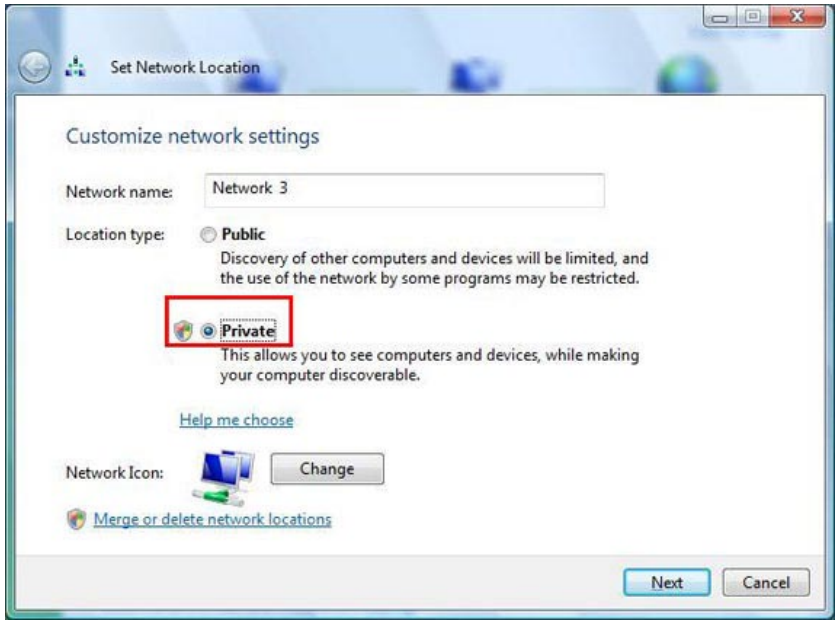

Click the **Networking** button.



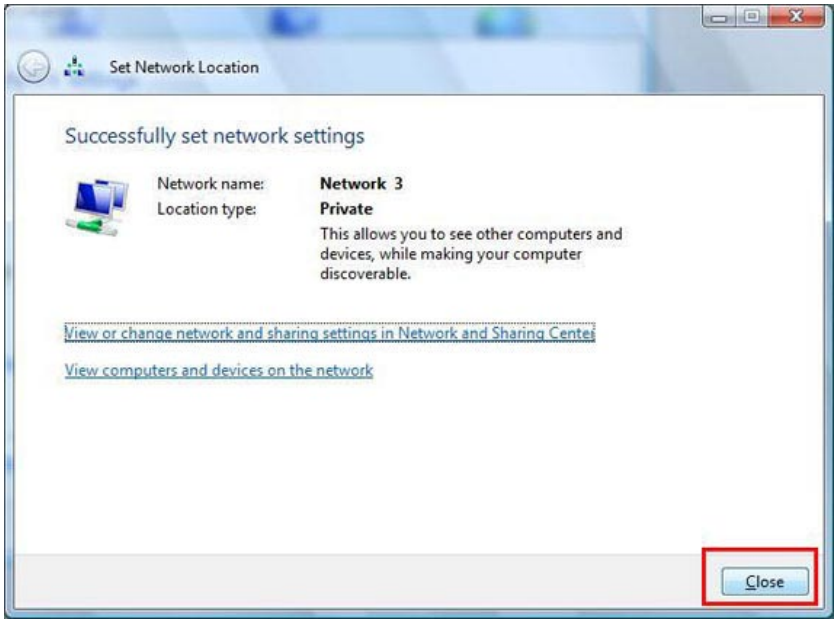
Click the Customize button.




Select **Private** under *Location Type*. Click the **Next** button.



Click the **Close** button. Media sharing should now be accessible from your Windows Vista® PC.



# Using Your DSM-750

## MediaLounge™ Home Page

The MediaLounge Home Page will appear after you have successfully configured your DSM-750 with your network. The following options are available:

- **My Media**
- **USB Direct**
- **Online Media**
- **Windows Media Center** (Operational only if the DSM-750 is setup as an Extender)
- **Settings**

## My Media

The folder names and their order that are displayed in the My Media menu are dependant on the media server you are connected to. The following folders may appear:

- **Video**
- **Music**
- **Photo**
- **Playlists**

# Video

The following video file formats are supported:

- **MPEG-1**
- **MPEG-2**
- **MPEG-4** (ASP - Advanced Simple Profile)
- **AVI** (MPEG4 layer only, does not support uncompressed AVI, Resolution up to 1080p)
- **XVID** (with MP3 and PCM)
- **WMV9** (Resolution up to 1080p)
- **DVR-MS** (Recorded TV from Windows Media Center)
- **MKV** (Matroska)
- **H.264** (MPEG-4 Part 10)

***Note:*** *When using HDMI, the DSM-750 will automatically configure the resolution to match the TV's resolution, which can be up to 1080i resolution. To configure the DSM-750 to 1080p you will need to select 1080p resolution from the Display Resolution. See page 82 for details on setting 1080p resolution.*

# Viewing a Video

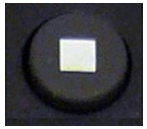
Once you enter the Video menu, you will see a list of video folders and/or video files.
Use the **Navigation Arrows** on your DSM-750 remote control to navigate to the video file you wish to view. Once you have made your choice, highlight the video and press **OK,** or press **Play** to view the video. If your video is located within a folder, highlight the folder and press **OK**. Then highlight the video and press **OK** again, or press **Play** to view the video.

**Play -** To play video.

**Pause -** To pause video.

**Fast Forward** - To fast forward through the video. Press this button several times to change the speed.

**Rewind** - To rewind through the video. Press this button several times to change the speed.



**Stop** - Stops the video.

**Skip Forward** - Skips forward 30 seconds of a video. Only for compatible types of video.

**Skip Backward** - Skips through 10 seconds of the video in reverse.

***Note:*** *You may also jump through a video by using the number keys on your remote. Numbers 1 to 9 represent a 10% to 90% jump through the video's length respectively.*

***Note: REPEAT*** *and* ***SHUFFLE*** *only work while listening to music.*

# Audio Track Button

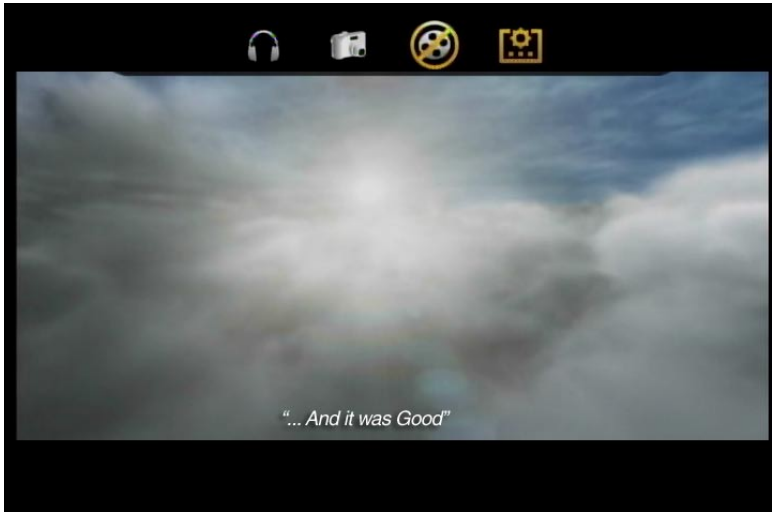
The yellow **Audio Track** button on your remote control allows you to toggle through multiple language tracks in a video that contains multiple audio tracks.

# Subtitles

Your media player supports the display of subtitle file formats. SRT is supported from media server software and from USB drives. SMI, SSA, ASS, Subviewer1 & Subviewer2 subtitle formats are supported from a USB drive only.

***Note:*** *Tools to generate SRT files can be found online. You must also have a UPnP media server capable of sharing video with SRT subtitles, such as the D-Link Media Server.*

Simply start the video file and the subtitles will show at the bottom of the screen. Use the remote control's **Options** button to access the Subtitle Settings screen.




The following appears only after pressing **Options** on the remote.

Subtitles exist (.SRT files only)

Subtitles do not exist

**Subtitle Settings:**
If subtitles exist, the following options will appear:

Switch: Turn subtitles on/off.

Position: use the UP/DOWN arrows on your remote to set the location of your subtitles on your screen.

Size: Controls the text size of the subtitles from 16 to 36 point.

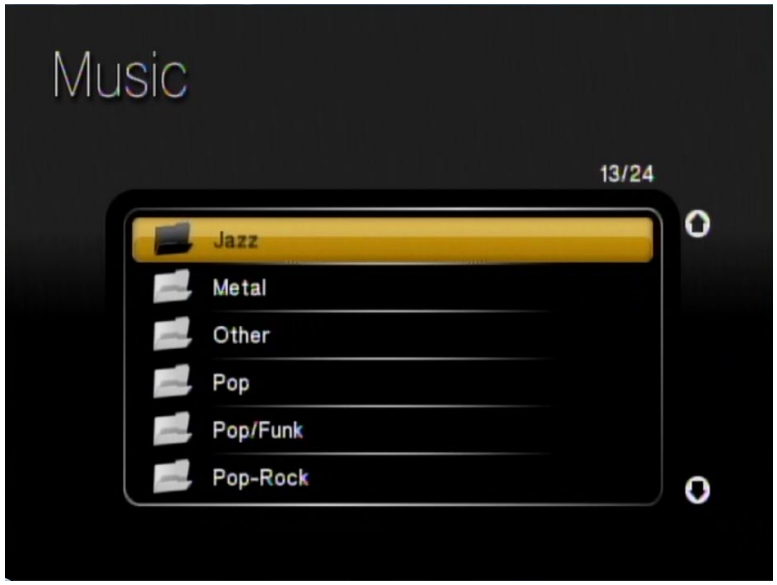
Color: Controls text color.

Delay: Allows the user to slightly delay subtitles from appearing if they are not in sync with the video files.

***Note:*** *Use the **Back** button to return the Subtitle Settings menu.*

# Music

Your music listening experience on the media player depends upon the quality of your digital music files on your PC. Avoid quality settings below 48kbps as they are unsupported. For CD quality music, rip your MP3s at 128kbps or higher, with a sample rate of 44.1kHz.



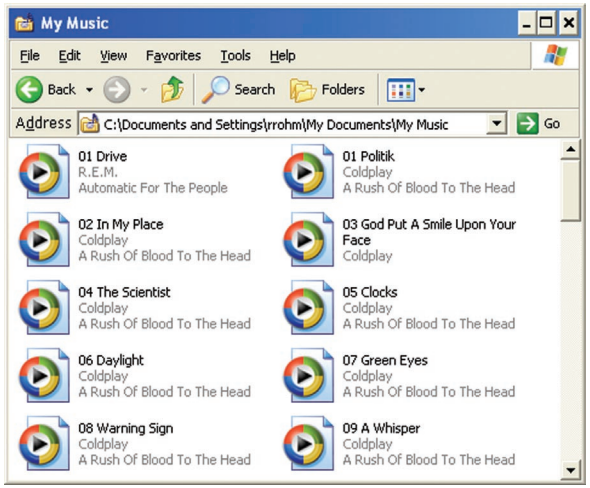

The following music file formats are supported:

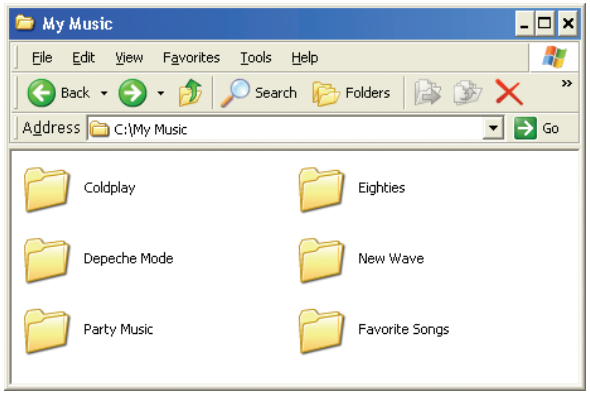
- **MP3** (up to 320 kbps)
  MPEG-1, Layer 3 Audio file -The standard Internet music file format. This is the most commonly used audio format.
- **WMA** (Does not support WMA lossless)
  Windows Media Audio file - Supported by the Microsoft Windows Media player and some music jukebox programs. Also supports WMDRM protected WMA files when using Windows Media Player 11.
- **WAV**
  WAV was developed by Microsoft and IBM. WAV sound files end in .wav and are compatible with Windows applications supporting audio.
- **AIFF** (AIFF files must be encoded in PCM format only.) AIFF (Audio Interchange File Format) was developed by Apple Computers and is the standard audio format for Macintosh computers. File extensions are .AIF or .IEF.
- **MPEG 1** and **MPEG 2**
  Moving Pictures Experts Group created standards for compressing audio and video. Audio uses the file extension .mp3.
- **OGG Vorbis**
  Open source audio format. Uses the file extension .ogg.
- **FLAC**
  A file format for lossless audio data compression.

***Note:*** *You are able to play music while viewing a slideshow.*

# Organizing Music Files

Music files are located on your PC, or on a compatible Network Attached Storage (NAS) drive. They can be contained in one directory folder, or organized in several subfolders.



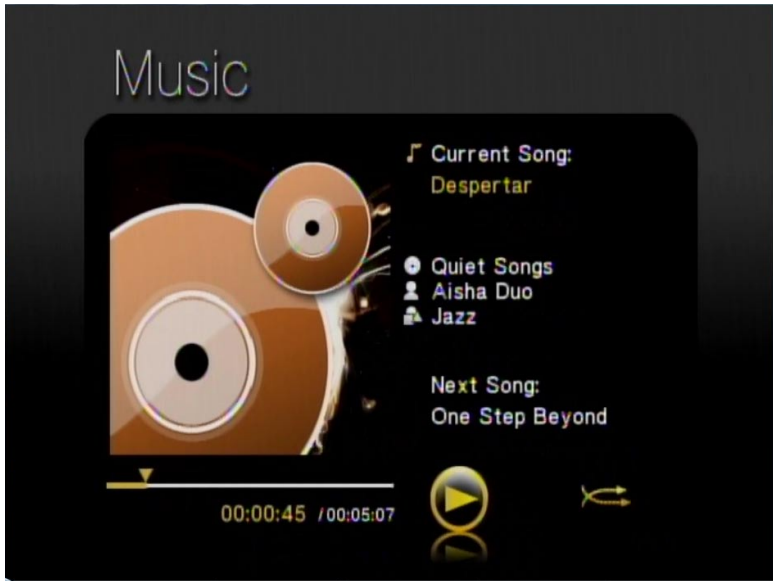



The DSM-750 displays your music files by genres, artists, albums, and tracks. This information is obtained from the ID3 tags in each of your music files. The ID3 tag is created for you when you rip (copy) your music from your CD. However, if your music files have incorrect or incomplete tags, the tracks may not appear where they should in your music categories. The exact order in which your folders and files appear on the DSM-750, are controlled by the media server software.

# Listening to Music

Once you enter the **Music** menu, you will see a list of your music folders.

Use the **Navigation Arrows** on your DSM-750 remote control to navigate to the music file you wish to listen to. Once you have made your choice, highlight the music file and press **OK,** or press **Play**. The DSM-750 music player will appear and your song selection will begin.



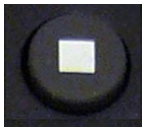

***Note:*** *The album art will only display if the song you downloaded or ripped from your CD is from an actual album. The album art is downloaded from an online media library.*

**Play -** To play music.

**Pause -** To pause music.

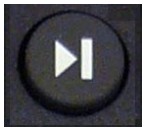
**Fast Forward** - To fast forward through the music.

**Rewind** - To rewind through the music.



**Stop** - Stops the music.

**Record -** Starts recording Live TV in Extender mode.



**Skip Forward** - Skips through the music at certain points.

**Skip Backward** - Skips through the music in reverse at certain points.

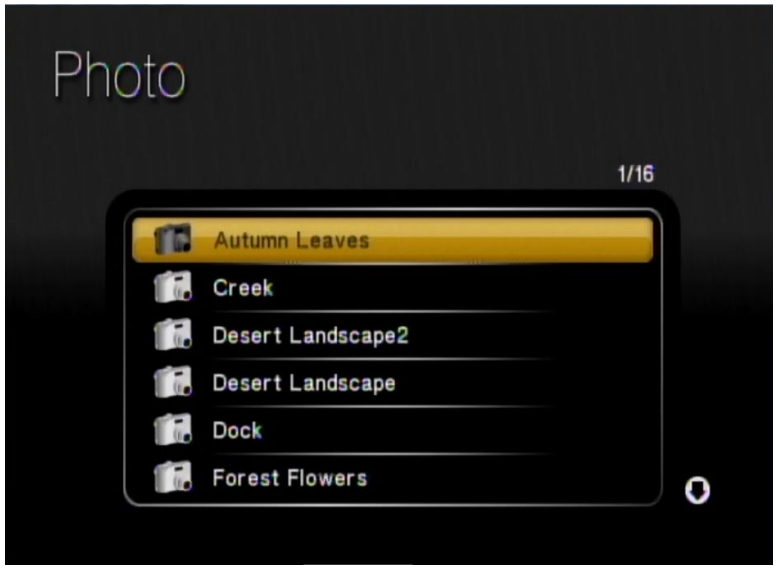
**SHUFFLE** - This option is only available while in MediaLounge™ mode.

**REPEAT** - This option is only available while in MediaLounge mode.

***Note: REPEAT*** *and* ***SHUFFLE*** *only work for music. These buttons are not supported for video or photos.*

# Photo

The following photo file formats are supported:




- **BMP** (non-compressed)
  Windows bitmap file. Widely used in Microsoft Windows for pictures and backgrounds.
- **JPEG** (grayscale, RGB, YCbCy)
  *(Does not support CMYK, YCCK.)*
  The JPEG format is the Internet and digital photo format standard used by most digital cameras.
- **GIF**
  (Animated GIF's are not supported)
  Older format still widely available on the internet for photos, web pages, and clip art.
- **PNG** (Non-alpha channel only)
  Portable Network Graphics standard created in response to limitations in the GIF file format.
- **TIFF** (RGB)
  *(Does not support CMYK, YMC, YMCK, KCMY)*
  Tagged Image File Format is a raster file format.
- **JPEG2000**
  JPEG2000 is a new image format based on the latest compression technology.

***Note:*** *You are able to play music while viewing a slideshow.*

***Note:*** *You may set the display settings between List Mode and Thumbnail Mode by accessing the* ***Browse Display*** *section on page 99.*

# Organizing Photo Albums

Unlike music files, photos contain little information about their content. Therefore, photos are organized by their filename and by the folder they are in. Many digital cameras will organize your photos into folders when you connect and unload them to your PC. Each time you dock or connect, a new folder is created using the current date and time, and all photos are copied into that folder.

To simplify browsing on your DSM-750, you can create folders on your PC. For instance, create a folder in the My Pictures directory called **Vacation** and copy all of your vacation photos into it. Your DSM-750 will show the **Vacation** folder. To play a slideshow of the folder, highlight it and press the **Play** button. To view a list of photos in the folder, highlight it and press the **right arrow** button.

You can give your photos meaningful names by renaming the files on the PC. Most digital cameras number photos sequentially. For example, rename the photo **IM001125.jpg** to **sunset.jpg** on your PC. The photo will be displayed as **sunset.jpg** on your DSM-750*.

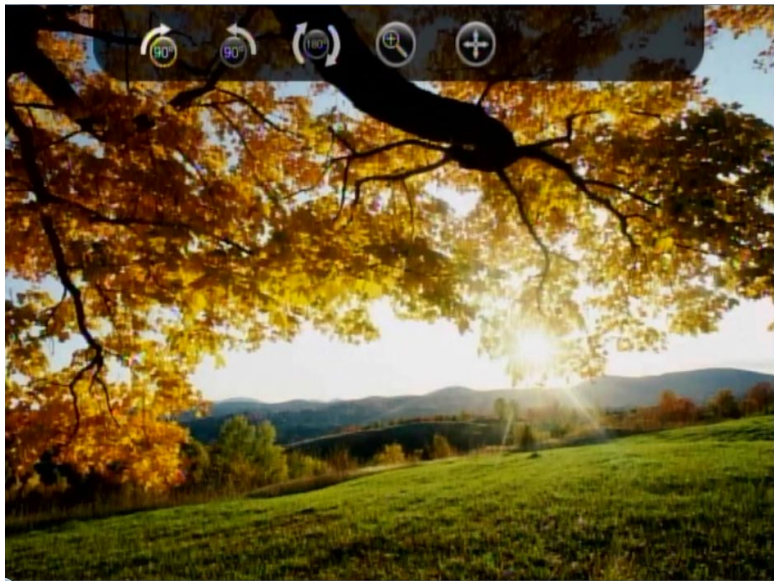
You can create as many folders as you need. Create a folder for the year, then create folders inside for each of the months, and then folders in each month for special occasions (birthday, vacation, holidays, etc...).

**Folder creation and renaming files must be done on the PC via standard Windows® procedures.*

# Viewing a Photo

Once you enter the **Photo** menu, you will see a list or thumbnail set of folders and pictures. You may set the display settings by accessing the Browse Display section on page 99.

Use the **Navigation Arrows** on your DSM-750 remote control to navigate to the photo file you wish to view. Once you have made your choice, highlight the photo file and press **OK**.



When viewing a photo you can change the on-screen appearance by applying rotate, pan, and zoom effects. These on-screen effects are only for enhancing the on-screen view and are not saved to the actual file. To access the photo viewing effects, press the **Options** button on the remote control while viewing the photo that you want to manipulate. To select an effect, highlight the effect using the **Navigation Arrows**

Press the **Options** button on your DSM-750 remote control to access the options menu while viewing a photo. Press the **Options** button again to exit the options menu.

***Note:*** *For the most impressive display of your photos, it is recommended to set Photo Scanline to "Fit to Screen" (see page 97).*

Rotate the photo 90° clockwise

Rotate the photo 90° counter-clockwise

Rotate the photo 180° clockwise

Zoom in on the photo

Pan the Photo

# Viewing a Slideshow

Once you enter the **Photo** menu, you will see a list of folders and pictures.

To start playing a photo slideshow, highlight a folder and press the **Play** button. The first photo will be displayed and then followed by the next photo in the folder. All photos in the folder will be displayed.

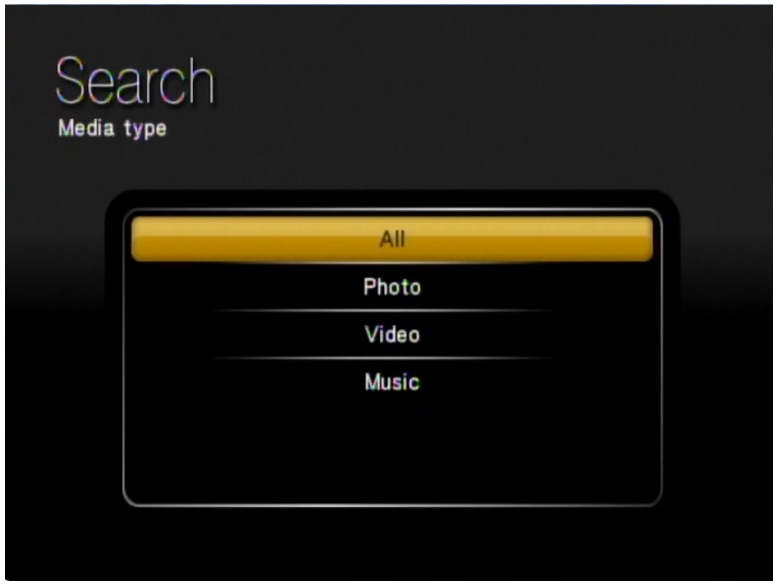
Please continue to the **Slideshow** section on page 96 to setup your slideshow settings. The **Slideshow** settings are:

- **Time Delay**
- **Photo Scaling**
- **Fade In/Fade Out**
- **Slideshow Sequence**

Controlling photo playback is very similar to controlling a CD player. Once you have started a photo slideshow, use the DSM-750 remote to **Play**, **Pause**, or **Stop** the show. Press the **Skip Backward** and **Skip Forward** buttons to skip to the previous or next photo. To set the amount of time before the next photo in a slideshow is displayed, please continue to the **Slideshow** section on page 96.

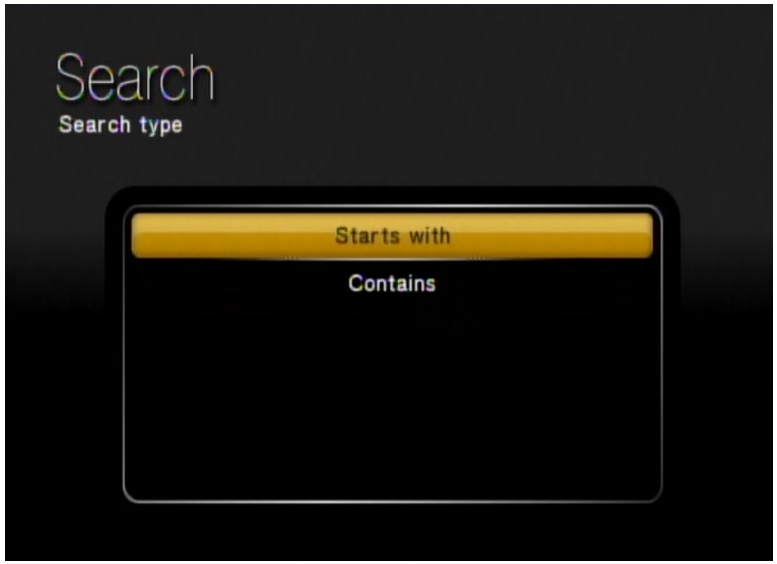
# Search

Click the **SEARCH** button on the DSM-750 remote control and the following screen will appear. This screen allows you to search for music tracks, videos, and/or photos. The search function only works in MediaLounge™ mode, and you must be in the **My Media** section before conducting a search. Select between **All, Photo, Video,** or **Music.** After making a selection, click **OK** on your DSM-750 remote control.




***Note:*** *The search function only works for MediaLounge™ mode.*

After selecting a media type to search in, you must provide a search type by either selecting **Starts with** or **Contains**.



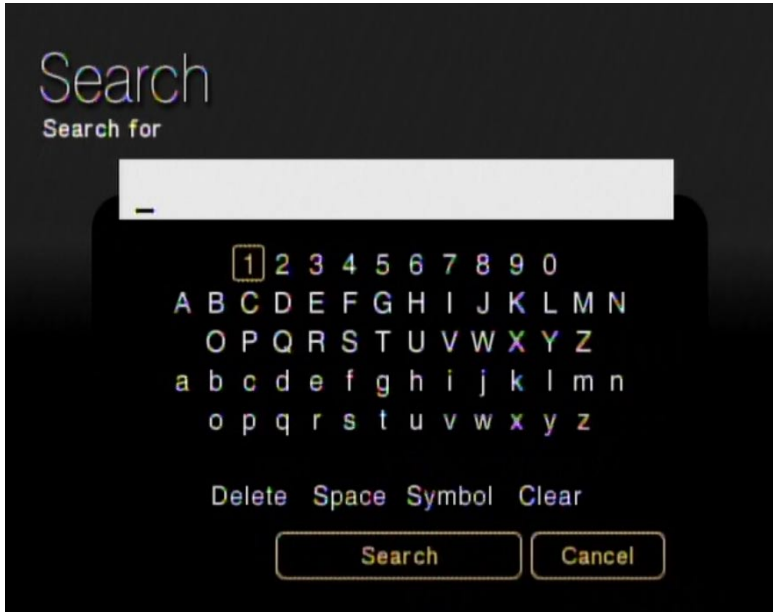

- **Starts with** will search for files that begin with characters entered during your search. Example search of the letters **en** would be:

  **En**joy the Spaghetti
  **En**dless Resolution
  **En**tering San Diego

- **Contains** will search for files that contain the specified characters anywhere in the file name. Example search of the letters **en** would be:

  This is the Beginning of the **En**d
  The Small Pret**en**der
  **En**tering San Diego

***Note:*** *Depending on your media server, "**Contains**" may be the only option available.*




The next screen that follows will have an On Screen Keyboard with a search box. You **MUST** use the On Screen Keyboard to enter alphanumeric characters in the search box. Click **Search** to begin your search.

If you want to remove the last character entered, use the DSM-750 remote control's **Navigation Arrows** to toggle down and select the **Delete** option. While **Delete** is highlighted, click **OK** on the remote control to actually delete the last character. If you want to clear the entire search box, use the DSM-750 remote control's **Navigation Arrows** to toggle down and select the **Clear** option. While **Clear** is highlighted, click **OK** on the remote control to actually clear the search box. You may also press **CLEAR** on your DSM-750 remote control to clear the search box.

***Note:*** *The alphanumeric keypad on your DSM-750 remote control is unavailable while accessing the* ***Search*** *screen. You* ***MUST*** *use the On Screen Keyboard to continue with your search.*

# USB Direct Menu

Insert your USB thumb drive into the USB port on the front panel of the DSM-750. The DSM-750 will automatically detect if there is a USB drive, and the **USB Direct** option will be available to you on the MediaLounge™ menu.

The DSM-750 currently supports NTFS, FAT, and FAT32 formats.

You can play music from your USB drive, and view photos from a listed server by accessing **My Media**.

# Supported Formats

The following file formats are supported using **USB Direct**:

| MUSIC | VIDEO | PHOTO |
|---|---|---|
| • MPEG-1 | • H.264 (including .avi and .mkv) | • JPEG (.jpg & .jpeg) |
| • MPEG-2 | • WMV9 | • GIF |
| • MP3 | • VC-1 | • PNG |
| • OGG | • MPEG-1 | • TIF (.tif & .tiff) |
| • WAV | • MPEG-2 TS | |
| • WMA | • MPEG-2 PS | |
| • AIF (.aif only) | • M2V | |
| • AC3 | • MPEG-4 (.mp4) | |
| • LPCM (.lpcm only) | • XVID | |
| • FLAC | • M4V | |

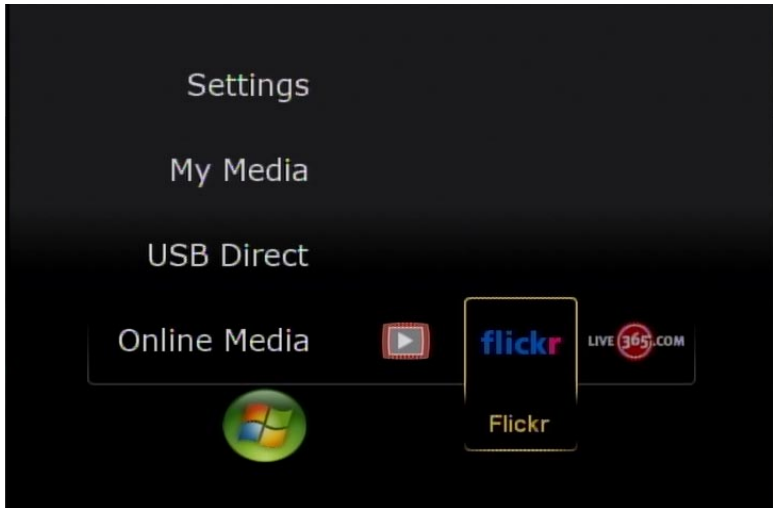
***Note:*** *You are able to play music while viewing a slideshow.*

# Online Media

Currently the DSM-750 supports Flickr™, Rhapsody™ [1], vTuner, and Live365™ online services. Content downloaded from My Kid's Tunes, TotalVid, and Napster™ [2] can also be used with your DSM-750.

New online services can be added in the future and made available via firmware upgrades.

To access the Online Media section, select **Online Media** from the Home screen.




[1] Rhapsody™ is available for USA customers only.

[2] Napster™ is available for USA, Canada, and England customers only.

# Flickr™

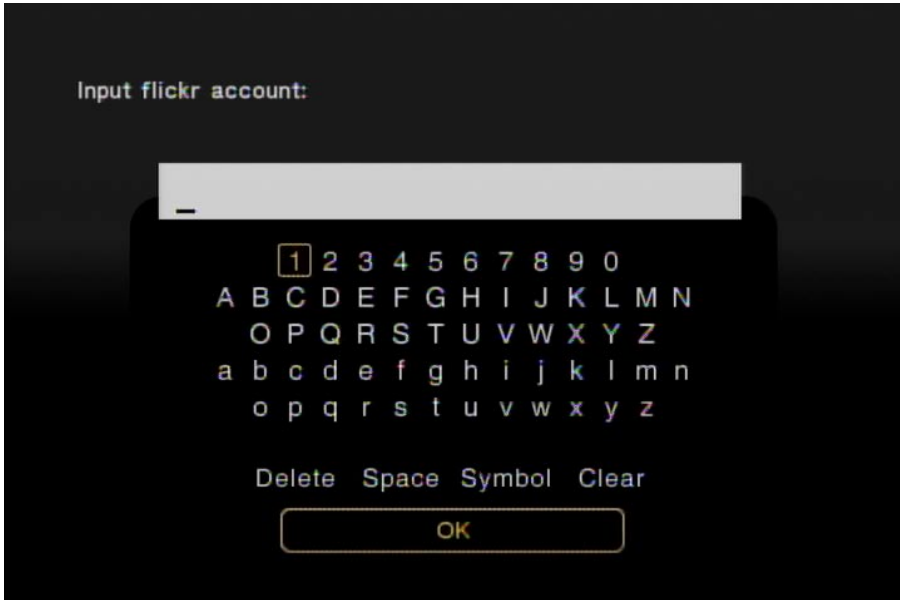
Flickr™ is an image hosting website, who's primary goals are to help people make photos available to those who matter to them, and to enable new ways of organizing pictures. You can join Flicker for free and begin sharing images immediately. Professional accounts are available for those who want to add and display high volumes of photos.

Select **Online Media** from the Home screen and select the Flickr icon.

If you do not have a Flickr™ account, please visit the Flickr website at www.flickr.com and register for a free account.

***Note:*** *Only one Flickr account at a time can be accessed by the DSM-750.*

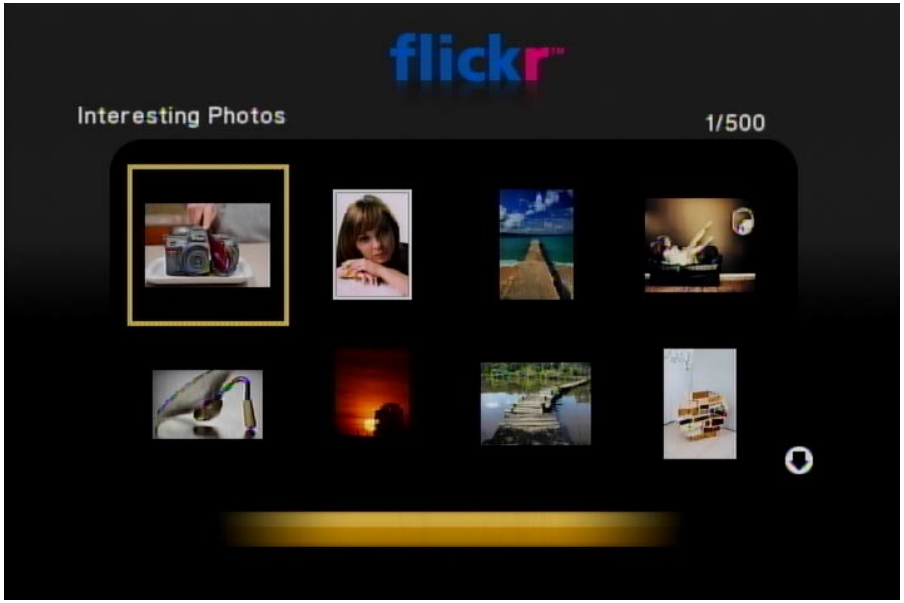
Use your DSM-750's remote control to enter numbers, letters, and/or symbols related to your flickr account username.




***Note:*** *The "@" (at symbol) and the "." (dot symbol) are found by pressing the* ***Symbol*** *option on the screen, which is located above the* ***OK*** *button.*

After a Flickr™ account has been added, you can view your uploaded pictures by selecting your flickr username on the DSM-750 menu screen.

By selecting **Recently Uploaded Photos** and I**nteresting Photos**, you will see public photos posted and/or rated highly by Flickr members.

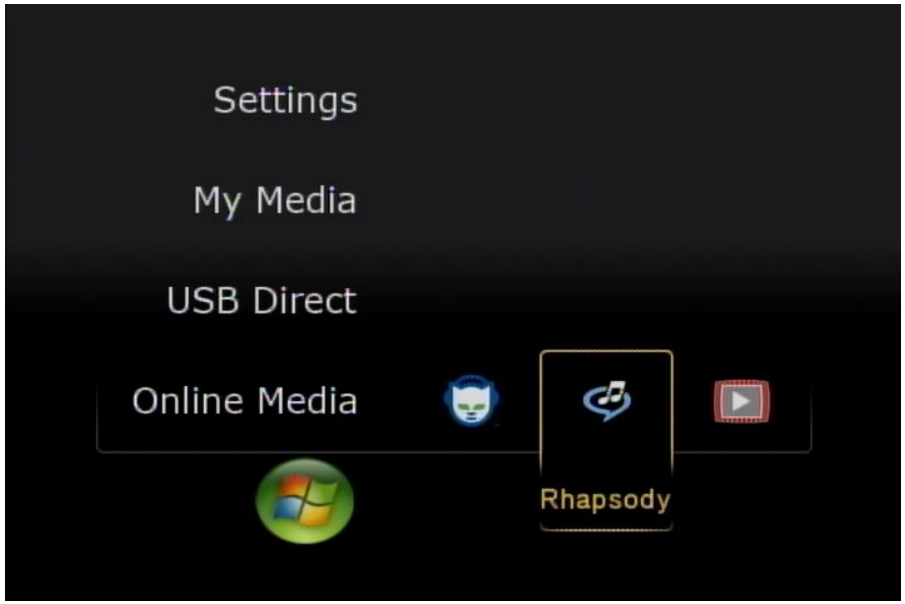


# Rhapsody™

Rhapsody™ is a subscription music service that provides unlimited on-demand access to millions of music tracks. The CD quality audio is streamed directly over the Internet. Rhapsody™ also offers access to Internet radio stations and allows you to create your own custom stations.

Select **Online Media** from the Home screen and navigate to the right or left of the Online Media menu until the Rhapsody™ icon is selected. Press the **OK** button.

***Note:*** *You must have the Rhapsody™ software running on a computer before selecting Rhapsody™ from the menu.*

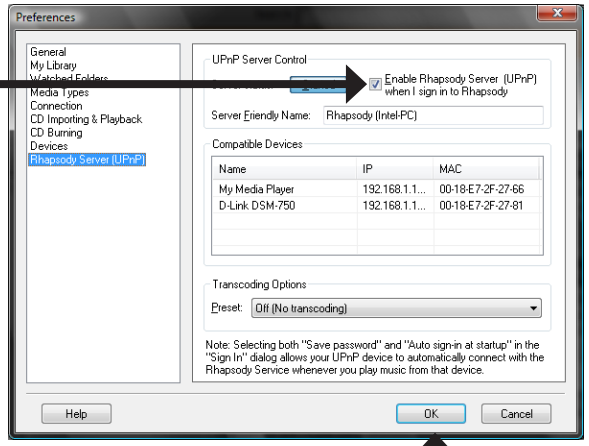


# Configuring Rhapsody™ for use with the DSM-750

To use Rhapsody™ with your DSM-750 you need to enable the UPnP mode within the User Settings. To do this, launch the Rhapsody™ application and follow the steps below.

Go to **Tools > Preferences > Rhapsody Server (UPnP)**

Check **Enable Rhapsody Server (UPnP) when I sign in to Rhapsody**

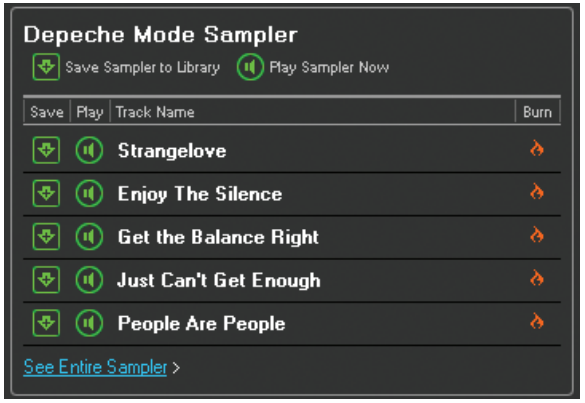



Click **OK**

Only songs (albums or individual tracks) and radio stations that have been added to your library are available for streaming to your DSM-750.

The library displays music and radio stations that have been added to your library. The library can be sorted by artist, tracks, albums, and radio stations. If you've created playlists, you can sort these as well. **Only items listed in the library are accessible through the DSM-750.**

To add a song to your library, click on the **down arrow** icon next to the selected track.

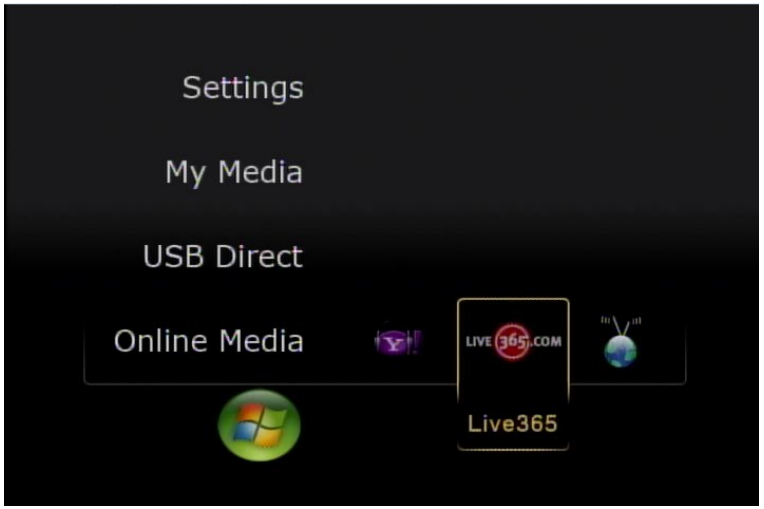



Once your library is configured, you can access the Rhapsody™ content on your DSM-750 just as you would with media stored on your computer.

# Live365™

Live365™ is an Internet radio service that provides unlimited on-demand access to thousands of radio stations. The audio is streamed directly over the Internet. Live365™ allows you to select your own preset stations and provides custom station recommendations.

Select **Online Media** from the Home screen and select the Live365 icon.




Use the **up** and **down arrows** on the remote control to navigate through the options. Press **OK** on the remote control to make a selection. Use the **down arrow** to navigate to the next field.

**ALL Broadcasts:** Displays all available internet radio stations.

**My Presets:** Displays your preset stations. Press the **MENU** button to delete the station from your preset list.

**My Recommendations:** Lists recommended stations based on your preset stations. Press the **MENU** button to add a station to your preset list.

**Editor's Station Picks:** Lists recommended stations based on your preset stations. Press the **MENU** button to add a station to your preset list.

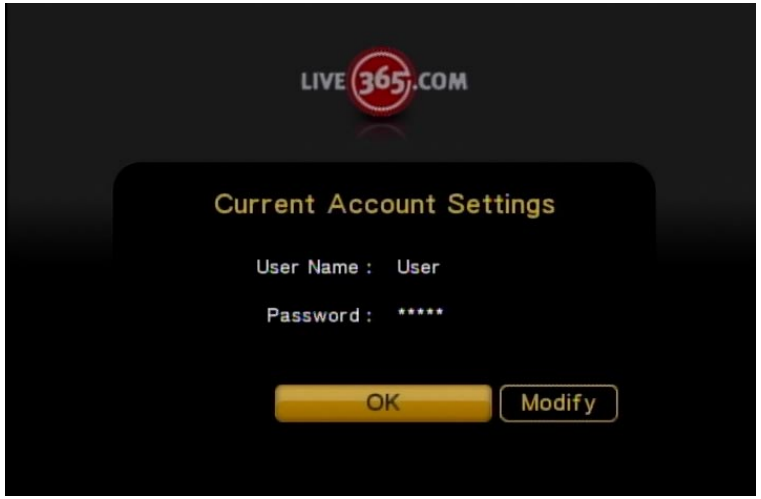
**Genres:** Lists stations according to genre. Press the **MENU** button to add a station to your preset list.

**Account Setup:** Click to access setup features such as **Login** and **Learn about Sign-Up Information**.

**Search:** Allows you to enter a song or artist to search for Live365 stations that play that music. Press the **MENU** button to add a station to your preset list.

Click **Login** to enter in your Login information. If you do not have a Live365 account, click **Learn about Sign-Up Information**.

Enter your **User Name** and **Password**, and click **OK**.



# vTuner

VTuner™ is an Internet radio service that provides unlimited on-demand access to thousands of radio stations. The audio is streamed directly over the Internet. VTuner™ allows you to select your own preset stations and provides custom station recommendations.

Select **Online Media** from the Home screen and select the vTuner icon.

Use the **up** and **down arrows** on the remote control to navigate through the options. Press **OK** on the remote control to make a selection. Use the **down arrow** to navigate to the next field.

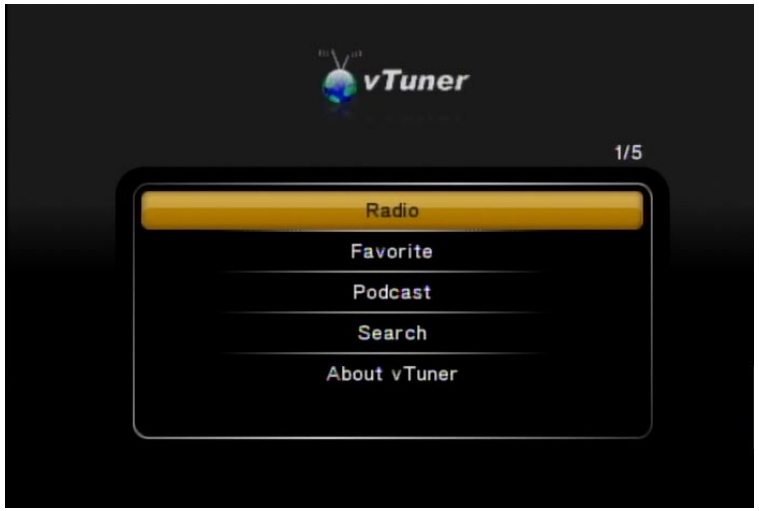
**Radio:** Displays all available internet radio stations.

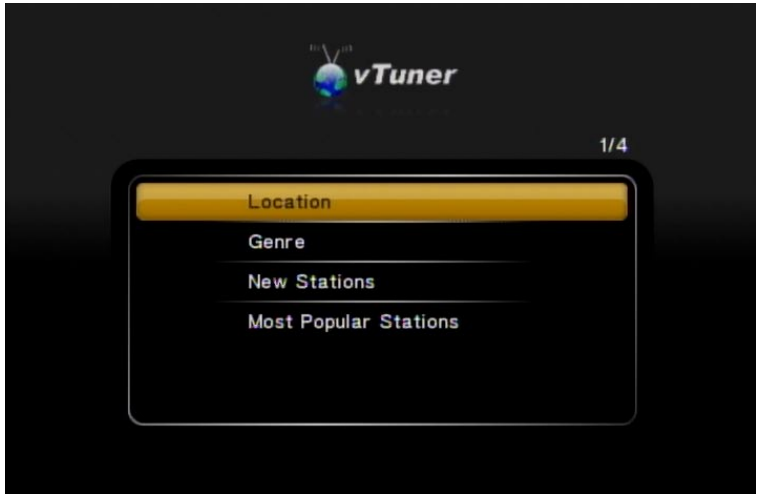
**Favorite:** Displays your favorite stations. Add stations by pressing the **Options** button on your remote control.

**Podcast:** Access podcast stations.

**Search:** Allows you to enter a song or artist to search for vTuner stations that play that music. Press the **MENU** button to add a station to your preset list.

**About vTuner:** Displays important information about vTuner. It also displays the MAC address which is used to pair the DSM-750 with your vTuner account.






**Location:** Displays all available internet radio stations by location.

**Genre:** Lists certain music genres.

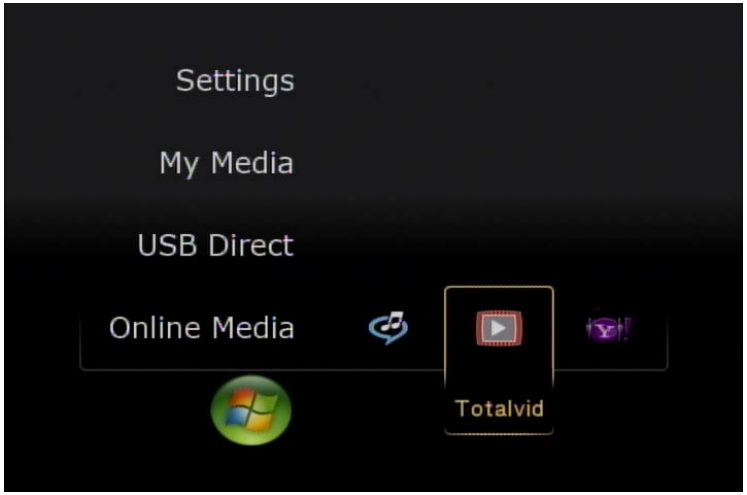
**New Stations:** Lists new stations that are available.

**Most Popular Stations:** Lists popular stations used by vTuner clients.

# TotalVid™

TotalVid™ is a video service that provides thousands of high quality, video downloads. With TotalVid downloads, you are always just minutes away from watching top videos. No need to wait for shipping. With downloads starting at just $1.99, TotalVid offers you a great way to check out titles before you buy the DVD. When you download from TotalVid, there is nothing to return. Just watch your video as many times as you like during the 7 day viewing period.

***Note:*** *Windows® Media Player 11 must be used as the media server to view TotalVid downloaded content.*



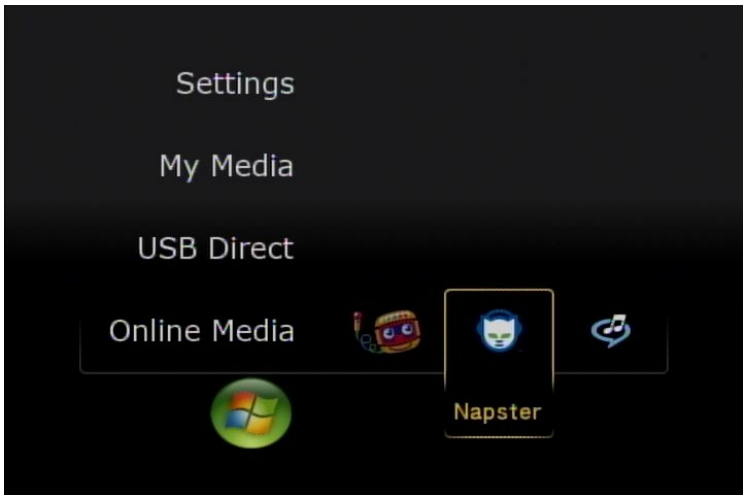

*Simply download a video from TotalVid to your PC and make sure the location the video is saved to is shared on WMP11. The video will show up on the DSM-750 in* **My Media** *as* **Video**.

Click on the **Find Out More** button if an item is of interest to you.

# Napster™

Napster™ is a legal music service that gives subscribers on-demand access to many music tracks. Napster™ subscribers can listen to and collect full-length, high-quality tracks online and offline. Subscribers can also collect as many tracks as desired on the hard drives of up to 3 PC computers to listen offline and use with the DSM-750. These tracks can be enjoyed for the duration of your Napster™ subscription.

Files downloaded with Napster™ are in the Windows Media DRM format. This is a type of copy protection. These files can be played on the DSM-750.

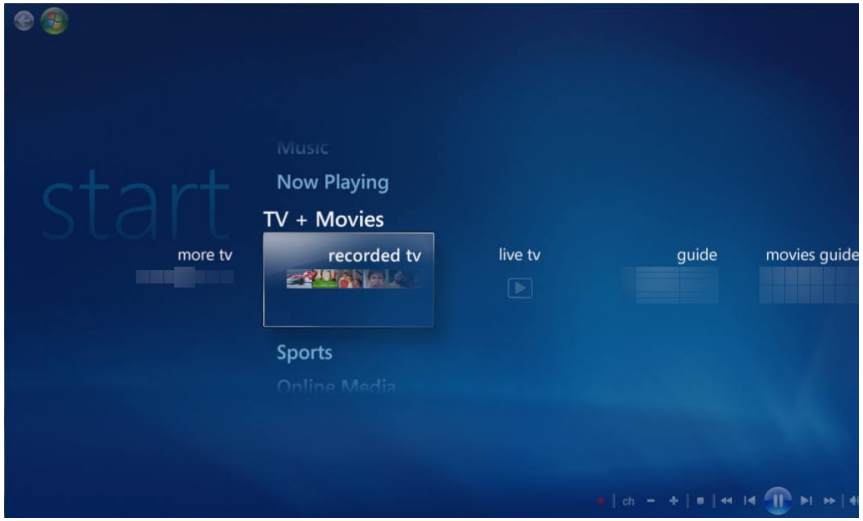



# My Kid's Tunes™

My Kid's Tunes™ offers children's music, stories, and audio files for download from their website www.MyKidsTunes.com. To collect music, stories and audio files from My Kid's Tunes™, you must order through their online service. Once you've ordered from My Kid's Tunes™ you may begin to listen to the downloaded content through your DSM-750.

# Windows Media Center Menu

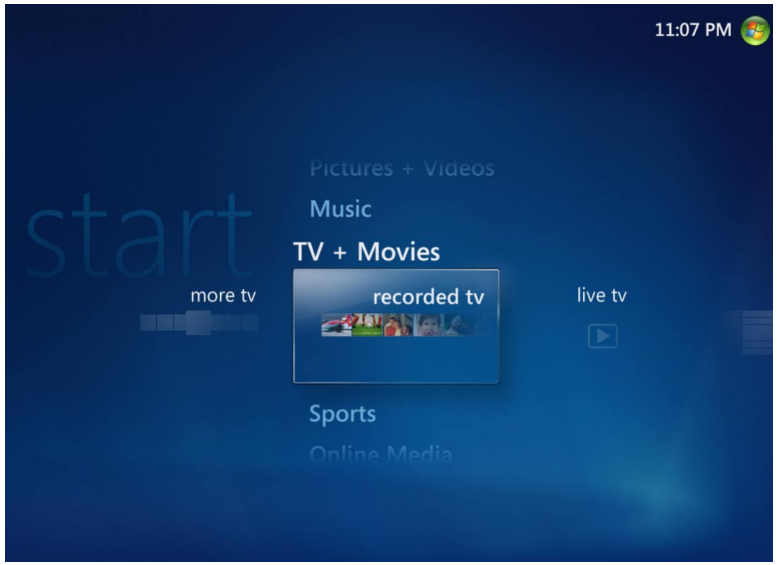
Windows Media Center connects your home or office PC with your entertainment center. The Windows Media Center Menu will only be available to you if you have Windows Vista® Home Premium or Ultimate, and if you have installed the Media Center Extender. With Windows Media Center, you can:




- **View custom slideshows set to music.**
- **Browse your music collection by cover art**.
- **Organize photos and create albums.**
- **Get the latest scores and stats on SportsLounge (U.S. and Canada only).**
- **Discover great video from MSN TV in the Internet TV Beta (U.S. only).**
- **Watch, pause, and rewind live TV shows in standard and high definition (HDTV available only in the U.S.).**
- **Schedule and record TV shows and movies for later viewing.**
- **Watch live, HD quality media (available only in the U.S.) on any screen in your house with Vista Extenders for Windows Media Center.**

# TV + Movies

Media Center can stream live and pre-recorded television to Windows Media Center Extenders. Once you have a PC with a TV tuner card installed, you can simply plug the cable, satellite, or antenna signal into the PC's tuner card. To watch live TV, click the TV section of the Windows Media Center interface or click the **Live TV** button on your DSM-750 remote control. With your DSM-750 remote control, you can pause, rewind, and record live TV. The DSM-750 has a **Record** button located on the top-left part of the remote control (see image below).



**Record -** Starts recording live TV in Extender mode.

**Live TV -** Watch live TV in Extender mode.

**Recorded TV -** Watch recorded TV in Extender mode.

**Guide -** View the TV listings that are available to you.

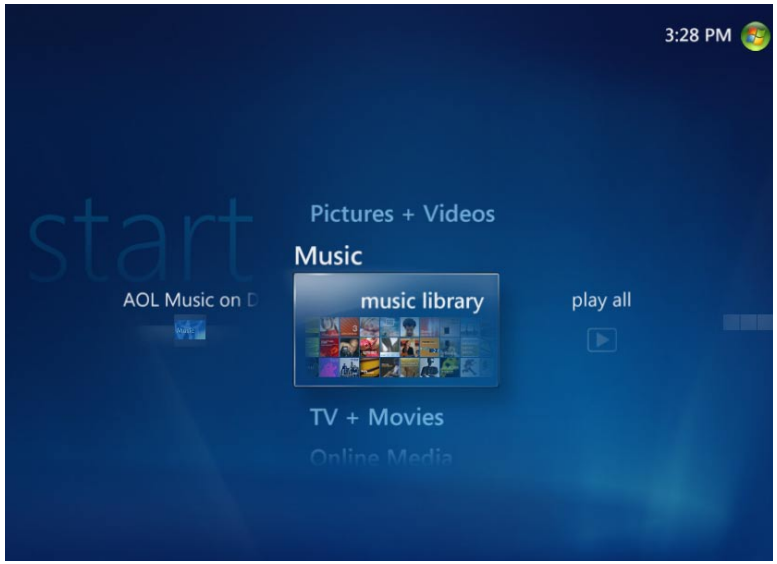
If you have already recorded a TV program and you want to watch it, simply click the **Recorded TV** button on your DSM-750 remote control to view your recorded TV programs.

Clicking the **Guide** button will provide you with TV listings that are available to you. When the **Guide** menu appears (following image), select your TV program and enjoy.

# Music

Windows Media Center will organize and list your music files that are found on your media server. By default, albums are arranged in alphabetical order and contain album art.

You may use Windows Media Center to create playlists and to select your favorite songs to listen while enjoying the comforts of your living room. Windows Media Center also allows you to watch a slideshow while listening to music.




***Note:*** *Album art can be downloaded from the Internet automatically, or it can be added manually into Media Center.*

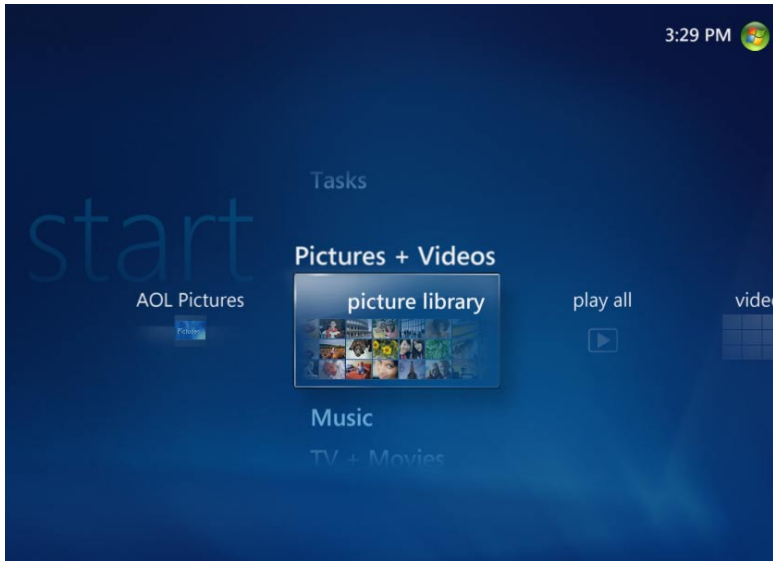
# Pictures + Videos

Windows Media Center allows you to organize your pictures and videos.

**AOL Pictures** - Access pictures others have stored online and upload your own photos for others to enjoy.

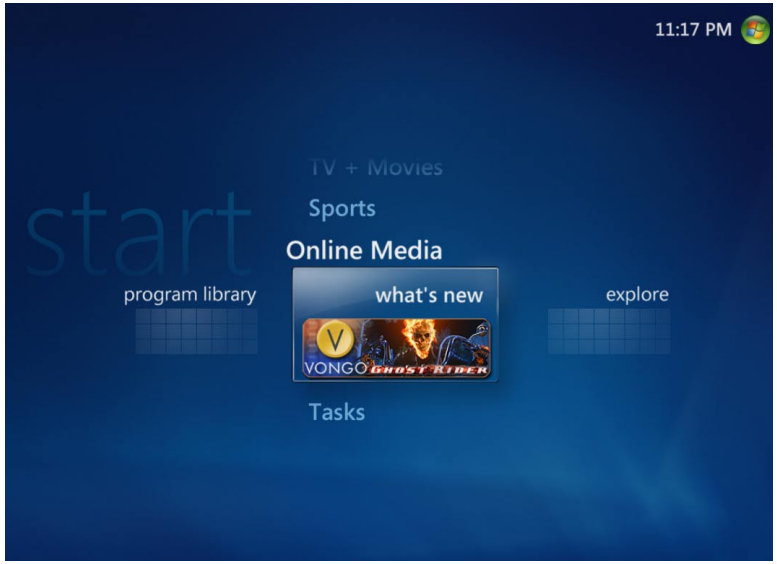
**Picture Library** - All your pictures stored on your PC in an easy to use interface and viewed as thumbnails.

**Video Library** - All your downloaded and personal videos can be accessed.



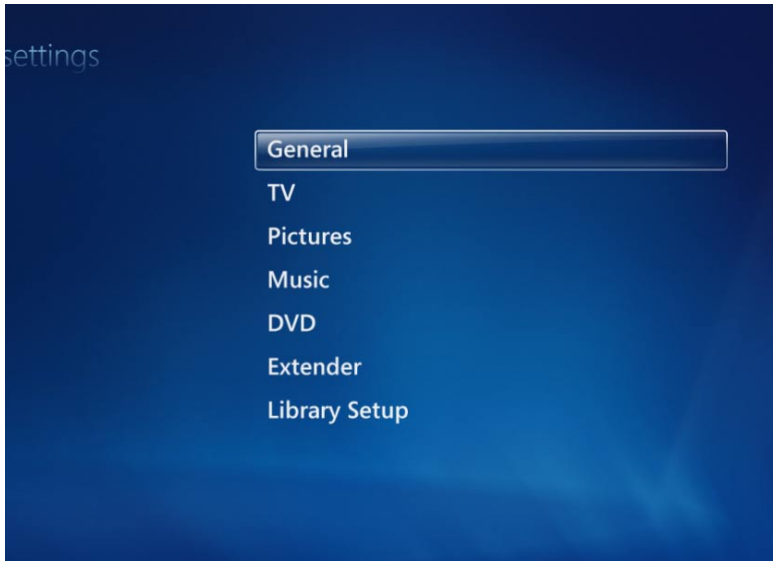

# Online Media

Access numerous online providers for Internet videos, Internet radio, music downloads, movie and TV show downloads along with news and sports. Here you can find Vongo, Live365, MTV, Discovery Channel, XM, Napster, Yahoo Sports, Reuters and much more.



# Tasks > Settings

The **Tasks > Settings** menu allows you to set up, review and edit your Media Center settings. These are the following options:




- **General**
- **TV**
- **Pictures**
- **Music**
- **DVD**
- **Extender**
- **Library Setup**

You may burn a CD or DVD at your PC from your Extender, add an Extender, and control key settings to control your Windows Media Center experience.

Settings for how Media Center starts up and behaves and to configure Media Center.

Access other settings to configure your TV, speakers, online guide, parental controls, closed captions, photo displaying, media library and TV recordings.

If you added new content to the libraries in Windows Media Center on your PC, but don't see the new content on your DSM-750, then you will need to add the new folders on the DSM-750 as well as Windows Media Center. This will allow the content in the new folders to appear on your DSM-750. There are two different libraries—one library for your Windows Media Center computer and another library for your Media Center Extender.

# Settings Menu

The following options are available under the **Settings** menu:

**A/V Output**

**Slideshow**

**Extender**

**Network**

**System**

## A/V Output
### Aspect Ratio

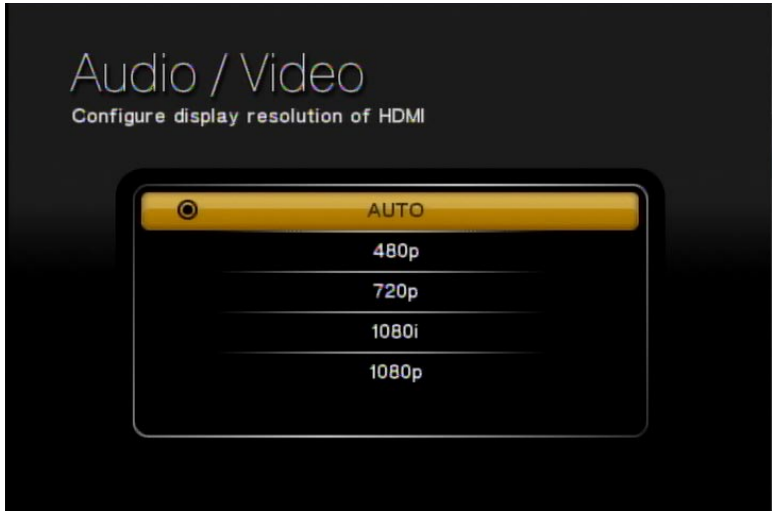
Under the **A/V Output** menu, you may change the **Aspect Ratio** to either **Normal** (Standard Televisions) or **Widescreen** (Widescreen Televisions). Please make sure you understand the ratio of your television screen before changing the aspect ratio, or you may get a distorted picture.

# Video Output

Under the **A/V Output** menu, you may change the **Video Output** to **Composite, S-Video, Component,** or **HDMI**. By default, the DSM-750 automatically detects your video connection.

# Display Resolution

Depending on your video output connections (HDMI, Component, or Composite), you may manually change the resolution for your particular television.




**Component** display resolution can be set to **480i, 480p, 720p, 1080i, or 1080p**.

**HDMI** display resolution can be set to **AUTO, 480p, 720p, 1080i, or 1080p**.

After you've made your changes, you will be asked to verify your changes. Click **OK** to proceed with your changes, or click **Cancel** to return to the menu.

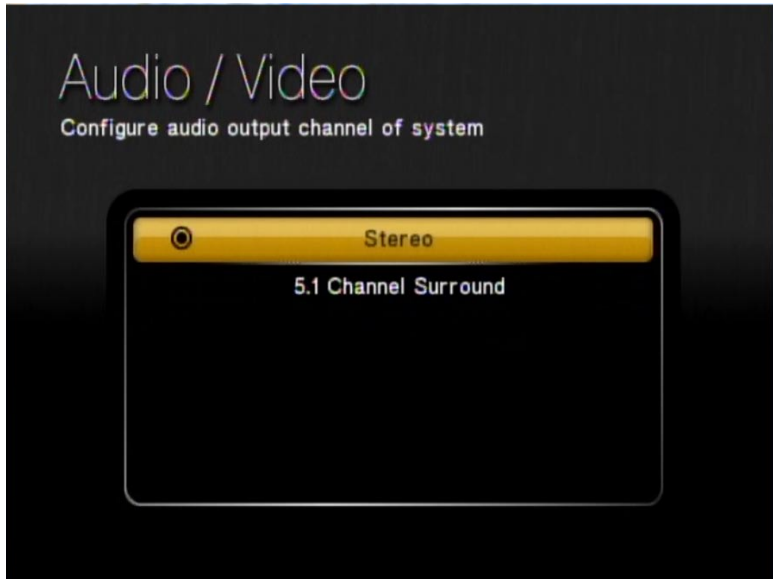
***Note:*** *When using an HDMI connection, the DSM-750 will configure itself to match the resolution of the TV (up to 1080i resolution). To configure the DSM-750 for 1080p resolution, you will be required to access the* ***A/V Settings*** *screen to manually set the resolution to 1080p. After doing this, the DSM-750 will display at 1080p resolution.*

# S/PDIF Audio Output

At the **S/PDIF Audio Output** menu, you may select between **Stereo** or **5.1 Channel Surround**. Selecting **Stereo** is recommended for standard two to four speaker systems. Selecting **5.1 Channel Surround** is recommended if you have a five speaker surround sound system with subwoofer.

S/PDIF = Sony/Philips Digital Interface.

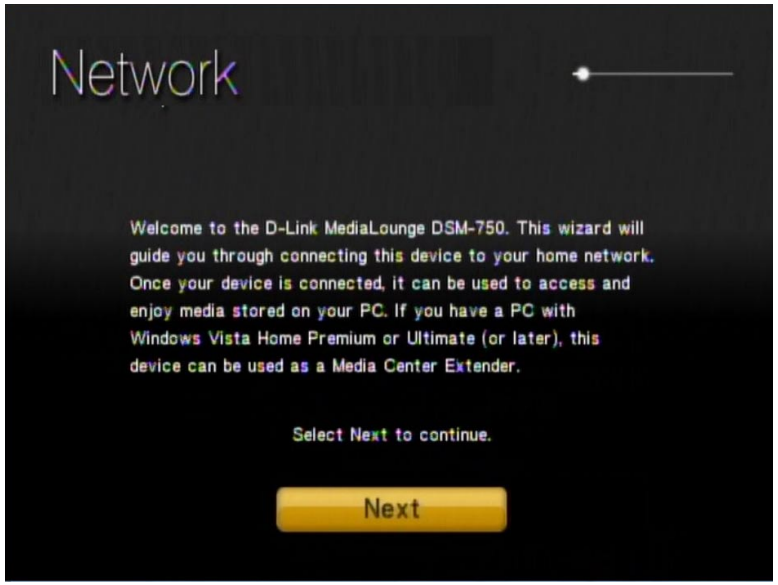
This format is only supported when either the Coaxial Digital or Optical Digital audio connectors are connected to the DSM-750, or when an HDMI connector is connected to a compatible 5.1 audio receiver.



# Network

The **Network** menu will provide you with an overview of your current network configuration. If you choose to reconfigure your network, then use your DSM-750 remote control to select **Configure Network**.

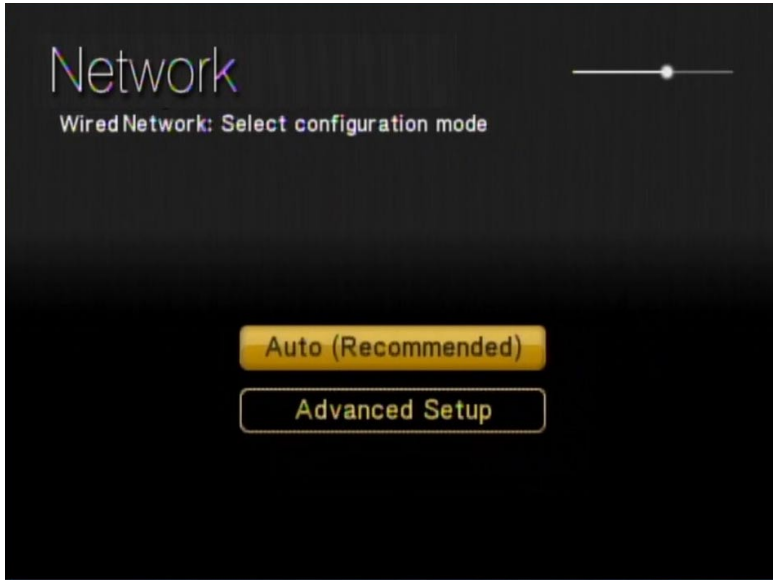
If you are connected to your network with an Ethernet cable, continue to the "**Wired Connection**" section on page 85 of this manual. If you are connecting wirelessly, continue to the "**Wireless Connection**" section on page 89 of this manual.




Click **Next**

# Wired Connection

If DHCP is enabled on your network, select **Auto (Recommended)**. If DHCP is not enabled on your network, select **Advanced Setup** to enter the wireless network settings manually.



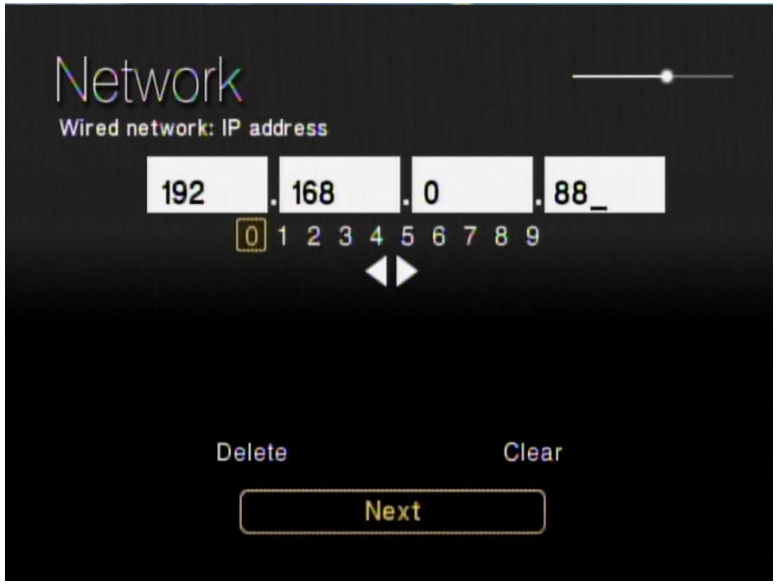

If you selected **Auto (Recommended),** your DSM-750 will automatically setup the required network settings and display a "successfully connected" message (please skip to the "**Wired Connection Complete"** section on page 88).

If you selected **Advanced Setup,** you will need to setup your DSM-750 with the required wireless network settings (please continue to the following page).

## Advanced Setup

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wired network's IP address.

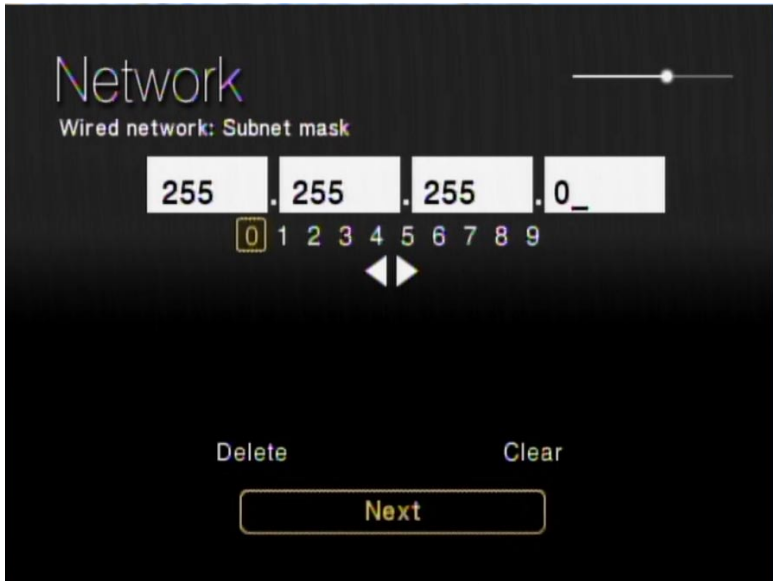
Once you have entered your IP address, use your remote control to navigate to the **Next** option and press **OK**.




Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wired network's Subnet mask.

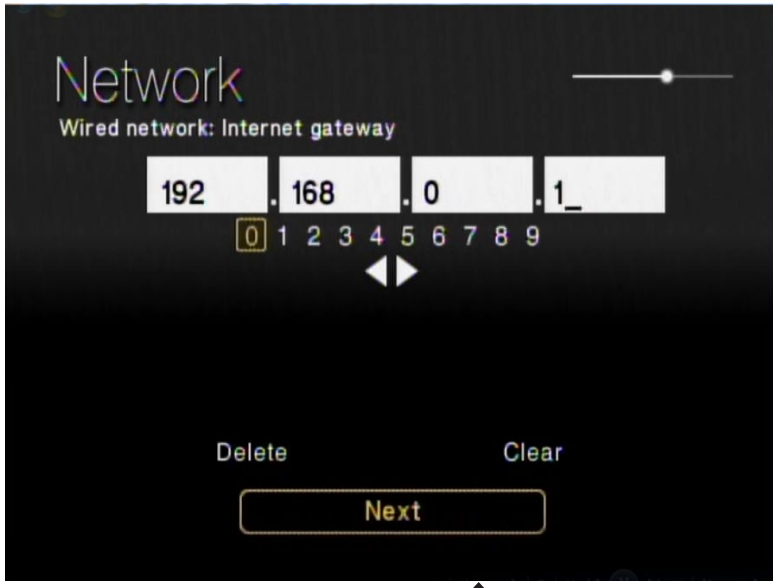
Once you have entered your Subnet mask, use your remote control to navigate to the **Next** option and press **OK**.




Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wired network's Internet gateway.

Once you have entered your Internet gateway, use your remote control to navigate to the **Next** option and press **OK**.

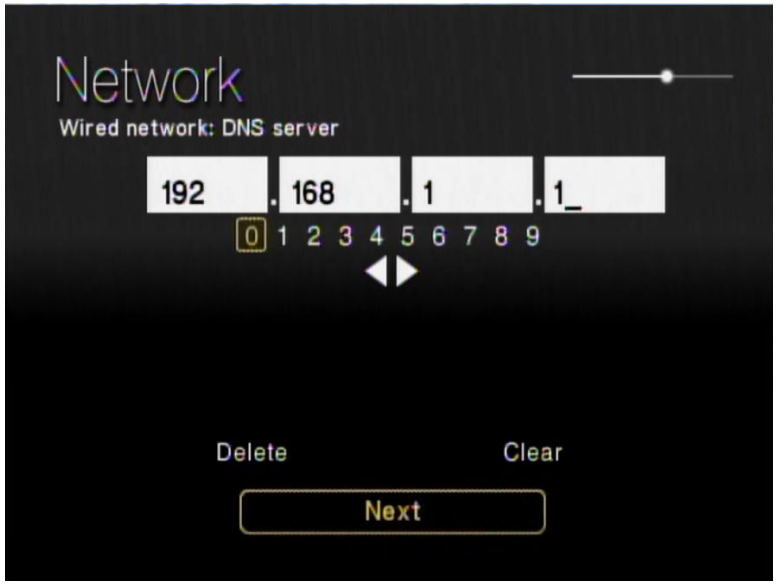



Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wired network's DNS server.

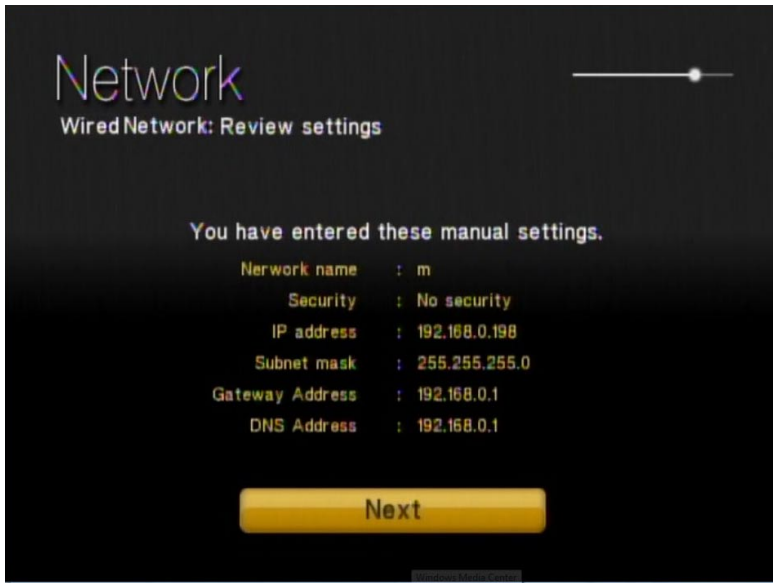
Once you have entered your DNS server, use your remote control to navigate to the **Next** option and press **Enter**.

***Note:*** *If you are unable to connect to your network, please check your network connections or contact your network administrator.*




Click **Next**

The next screen displays your current wired network configuration. Click **Next** to complete the setup.

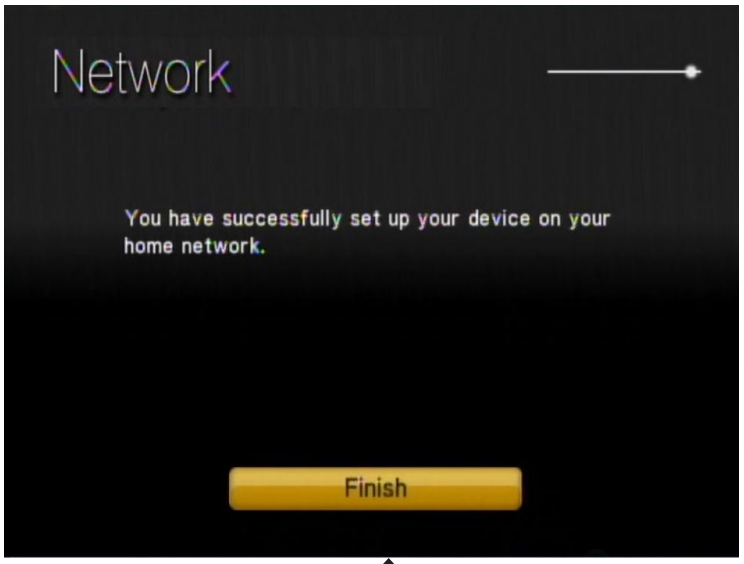



Click **Next**

## Wired Connection Complete

The “You have successfully set up your device on your home network” message should appear. Your DSM-750 is now configured for your wired network. Click **Finish**.

***Note:*** *If you did not receive the “successful” message mentioned here, please refer to the “**Wireless Installation Considerations** and **Troubleshooting**” section starting on page 109 for more information.*




Click **Finish**

# Wireless Connection

After clicking **Next** at the **Welcome** screen, please wait while the DSM-750 searches for available wireless networks.

***Note:*** *If your router's SSID broadcast is turned off, please use your remote control to select* ***Manual Setup****. If you clicked* ***Manual Setup****, please continue to the following page. If you did not click* ***Manual Setup****, please skip to page 91.*

## Manual Setup

***Note:*** *This page can be skipped by most users if SSID broadcast is enabled.*

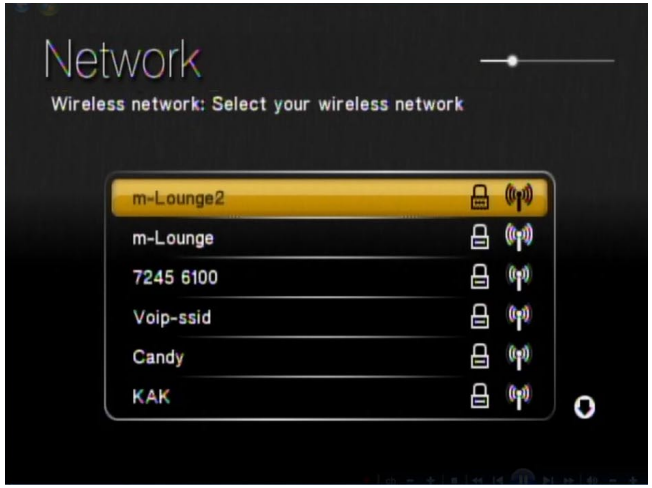
By using the remote control's alphanumeric keypad, or the On Screen Keyboard, you may enter your wireless network's name. When you have completed entering the network name, use the down arrow to select **Next**.

***Note:*** *If your wireless network is not found, refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for information as to why this may have happened.*

Click **Next**

By using your remote control, navigate through the encryption type list by either pressing the up or down arrow. Once you find your network's encryption type, use your remote control to click it. Please continue to the "**Encryption**" section on the following page.

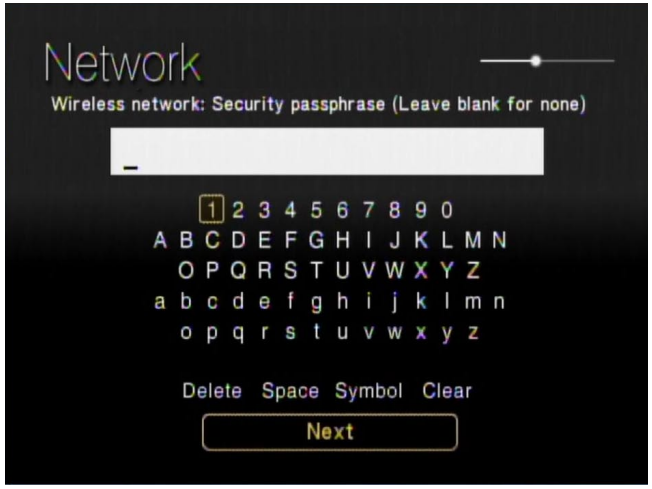
Select your wireless network from the list of networks that appear.




***Note:*** *If you do not see your wireless network, refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for information as to why this may have happened.*

## Encryption

If your wireless home network is using wireless encryption, you will need to provide the DSM-750 with the network security passphrase. By using the On Screen Keyboard, you may enter the network security passphrase.



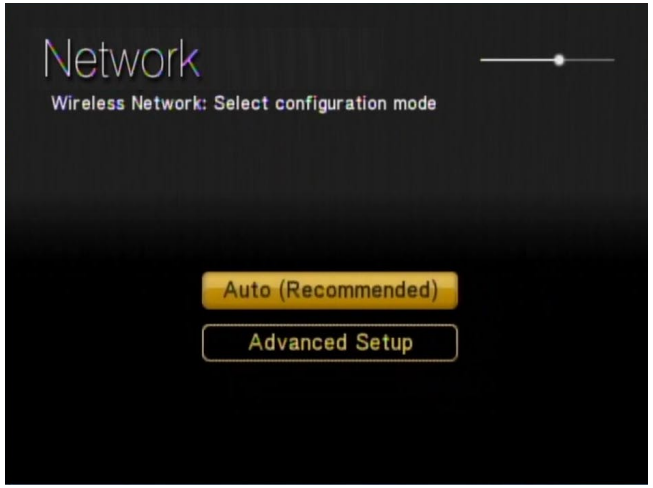

Click **Next**

When you have completed entering the network security passphrase, use the down arrow to select **Next**.

***Note:*** *This passphrase must* ***exactly*** *match the network security passphrase, consult your network administrator for more information.*

Click **Next**

If DHCP is enabled on your network, select **Auto (Recommended)**. If DHCP is not enabled on your network, select **Advanced Setup** to enter the wireless network settings manually.

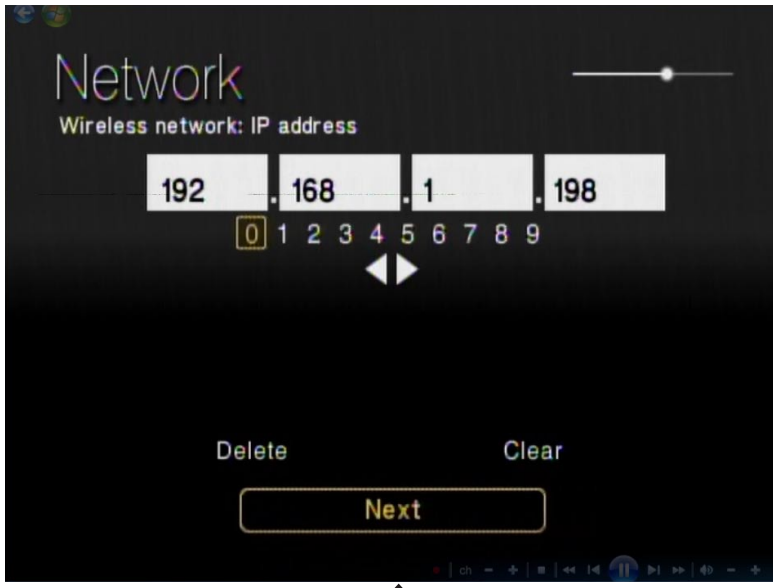



***Note:*** *If you selected* ***Advanced Setup****, please skip to "****Advanced Setup****" on the following page. If you selected* ***Auto (Recommended)****, please skip to the "****Wireless Connection Complete****" section on page 95.*

## Advanced Setup

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's IP address.

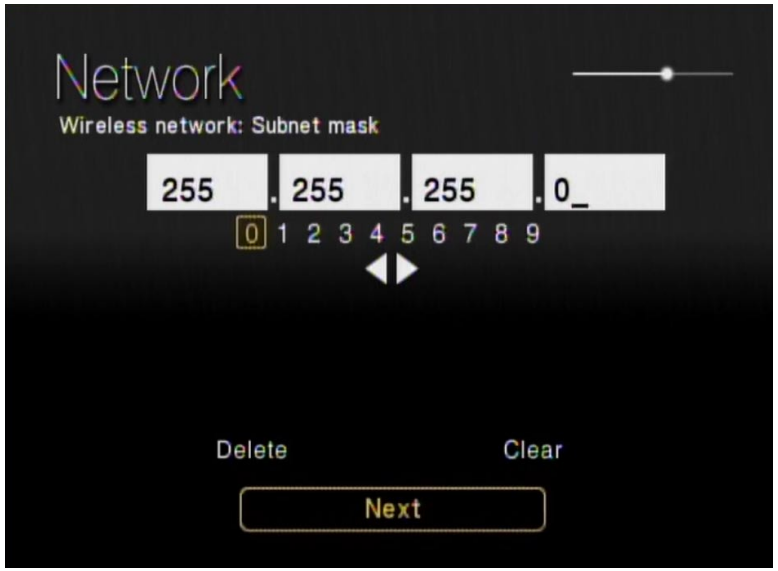
Once you have entered your IP address, use your remote control to navigate to the **Next** option and press **OK**.




Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's Subnet mask.

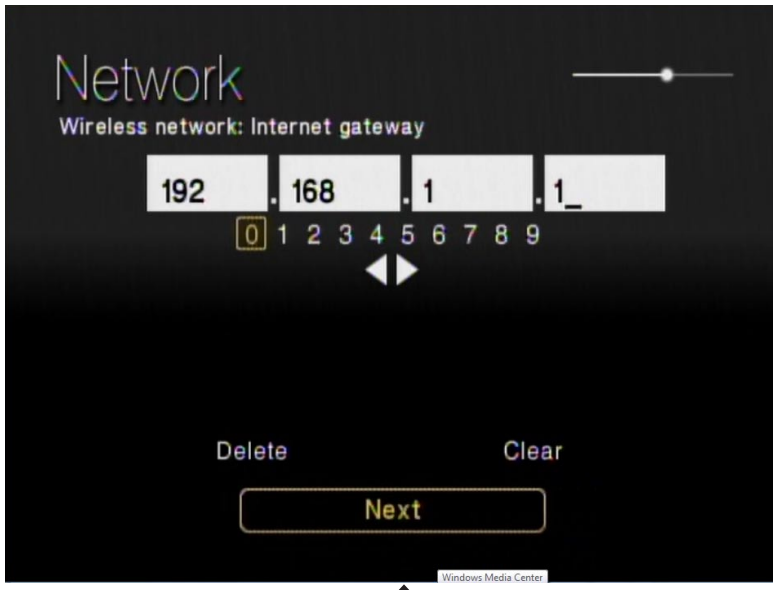
Once you have entered your Subnet mask, use your remote control to navigate to the **Next** option and press **OK**.




Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's Internet gateway.

Once you have entered your Internet gateway, use your remote control to navigate to the **Next** option and press **OK**.

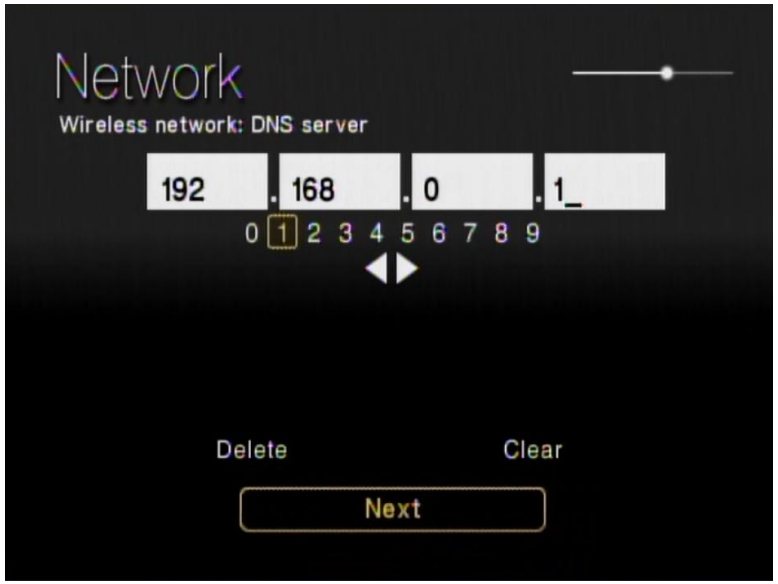



Click **Next**

Use your remote control number keypad, or select the numbers from the on screen number pad, to enter your wireless network's DNS server.

Once you have entered your DNS server, use your remote control to navigate to the **Next** option and press **Enter**.

***Note:*** *If you are unable to connect to your network, please check your network connections or contact your network administrator.*




Click **Next**

The next screen displays your current wireless network configuration. Click **Next** to complete the setup.

Click **Next**

## Wireless Connection Complete

The "You have successfully set up your device on your home network" message should appear. Your DSM-750 is now configured for your wireless network. Click **Finish**.

***Note:*** *If you did not receive the "successful" message mentioned here, please refer to the "**Wireless Installation Considerations** and **Troubleshooting**" section starting on page 109 for more information.*

Click **Finish**

# Slideshow

Under the **Slideshow** menu, the following options will be made available to you:

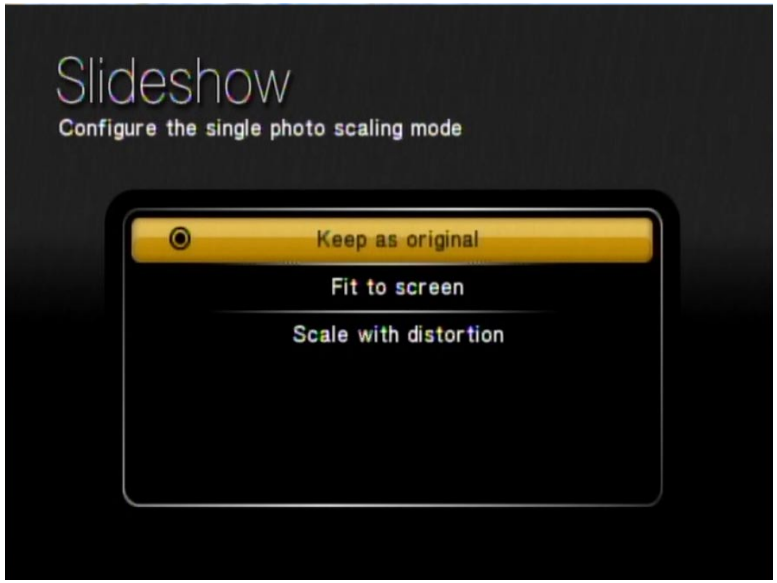
- **Slideshow Delay**
- **Photo Scaling**
- **Fade In/Fade Out**
- **Slideshow Sequence**

## Slideshow Delay

To set the delay time between photos in a slideshow presentation, make your selection from the following menu. You may choose between **3 seconds, 5 seconds, 10 seconds, 20 seconds, 30 seconds**, or **1 minute**.

# Photo Scaling

To allow your photos to be represented on your TV screen in the format you desire, choose between **Keep as original**, **Fit to screen**, or **Scale with distortion**.




**Keep as original** — Maintains the original resolution of the image.

**Fit to screen** — Fills as much of the screen as possible while maintaining correct proportions of the image.

**Scale with distortion** — Fills the entire screen with the image, which possibly can distort the image.

# Fade In/Fade Out

If you want to have the photos fade in and fade out during slideshow transitions, select **ON**. If you want the photos to appear without the fade effect, select **OFF**.

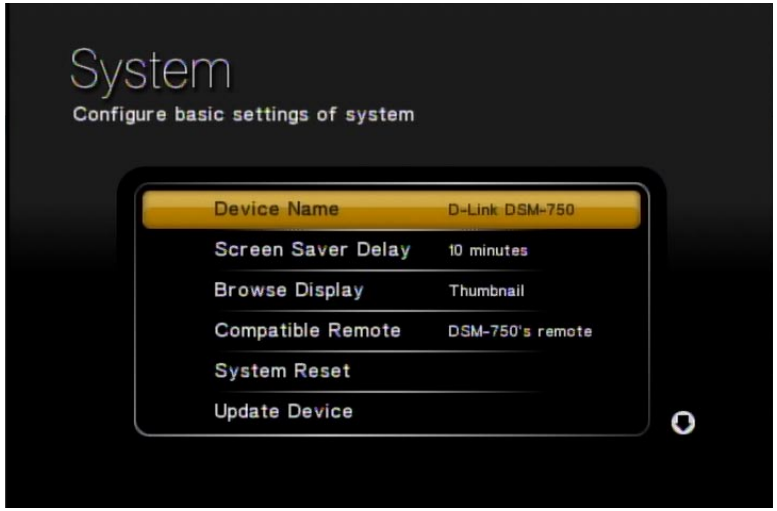
# Slideshow Sequence

If you want the photos to appear in their normal order as presented on the server, select **Normal**. If you want the photos to shuffle during a slideshow presentation, select **Random**.

# System

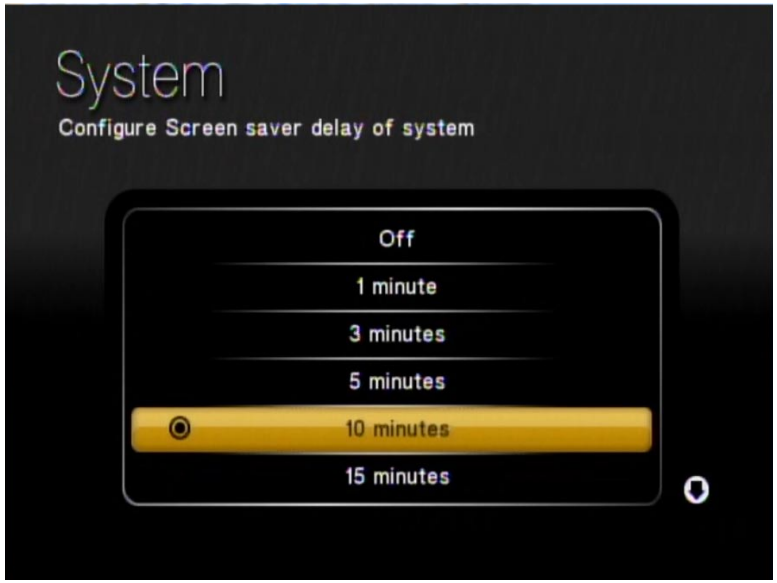
## Device Name

Select **Device Name** from the **System** menu, if you want to change the device name of the DSM-750. After selecting **Device Name**, enter your new device name on the following screen. Using your DSM-750 remote control's alphanumeric keypad, or the On Screen Keyboard, enter your new device name.



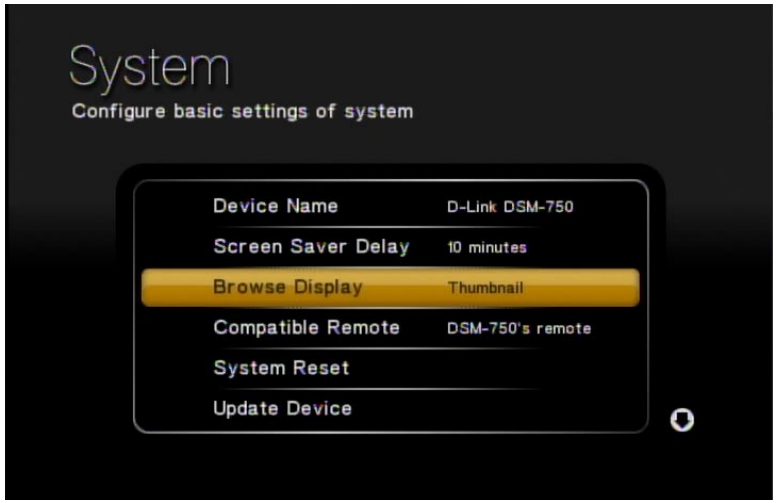

## Screen Saver Delay

Set your screen saver time limit, by selecting from the options presented here.

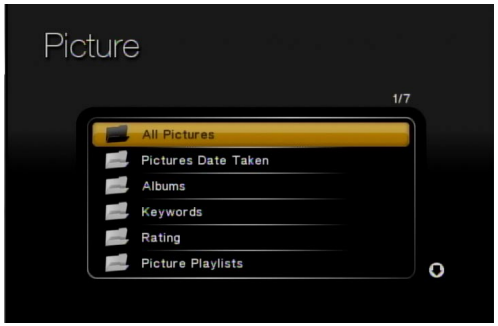


# Browse Display

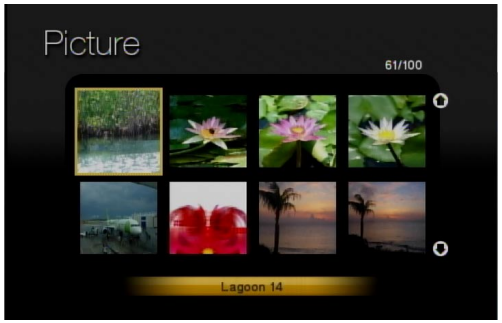
By default, the DSM-750 displays its folders and files in a thumbnail format for photos only. If you want to change this display of folders and files to a list format, select **List**. You may find it easier to navigate in **List** mode.



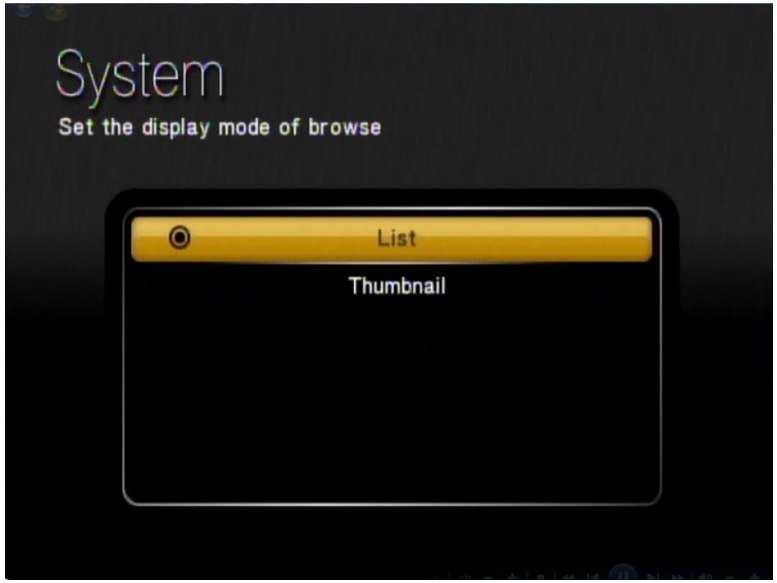

Select **Thumbnail** if you want to preview your photos before opening them. Under the **Thumbnail** display, videos and music files, along with folders, will be represented by the DSM-750's general graphic image library.




LIST VIEW

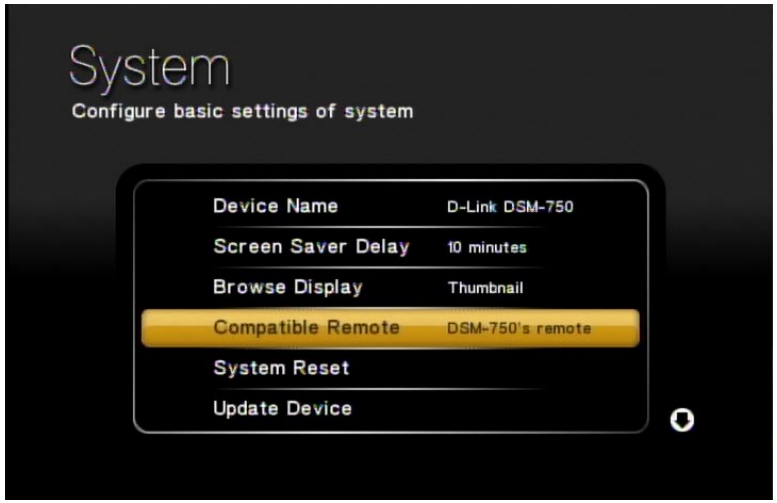



THUMBNAIL VIEW



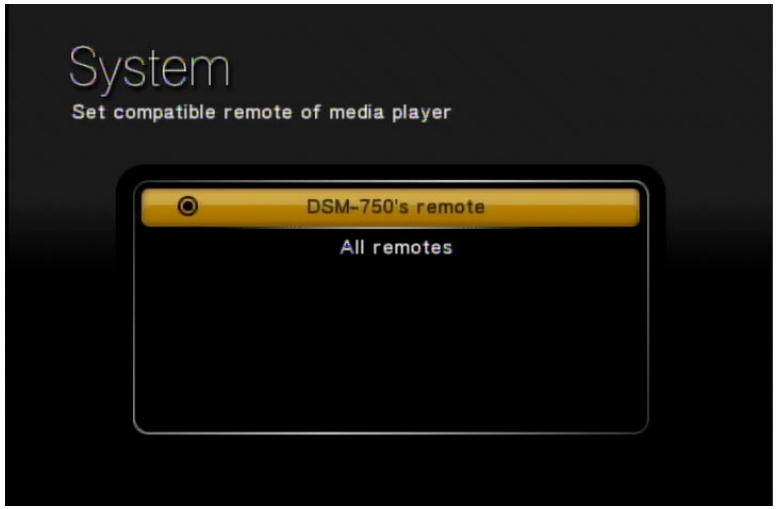
# Compatible Remote

The Compatible Remote setting controls the channel that the remote control works on. Unless you want the remote control for a Xbox 360 to also operate the DSM-750, you can leave this setting on **DSM-750's remote**.



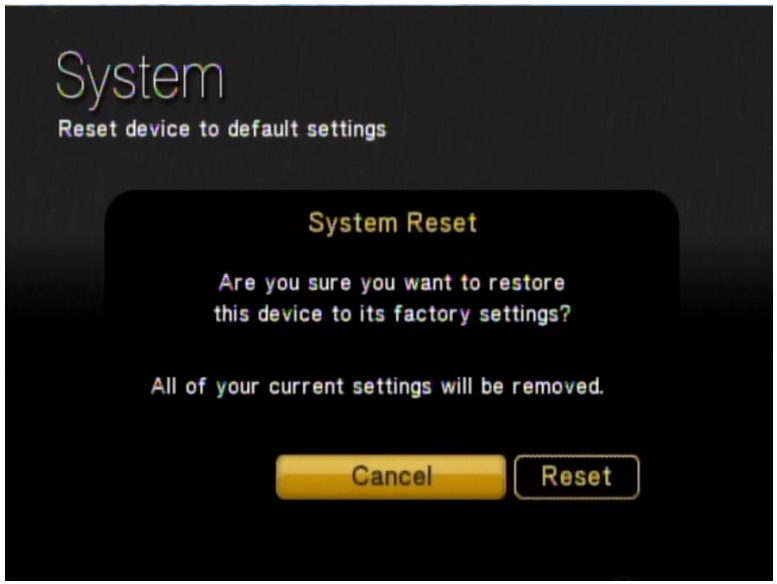

**DSM-750's remote**: The DSM-750 and Windows Media Center remote controls can operate the DSM-750.

**All remotes**: The DSM-750, Windows Media Center and the Xbox 360 remote controls can operate the DSM-750.



# System Reset

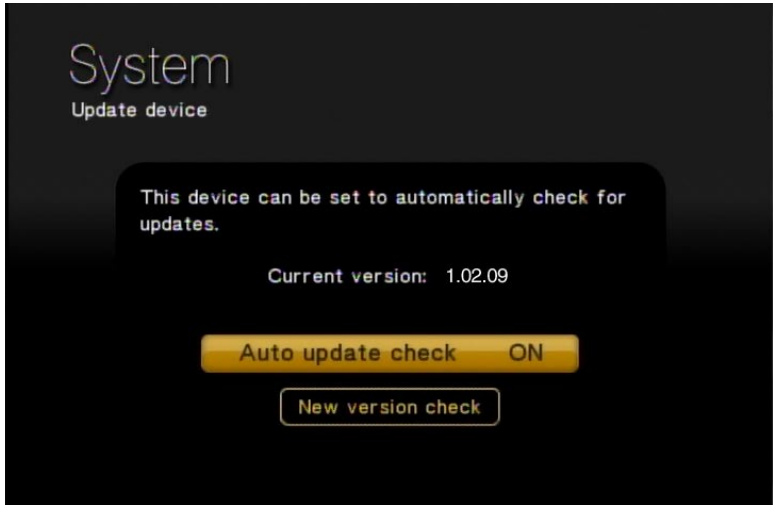
A **System Reset** will set your DSM-750 to its factory default settings and clear out any changes and settings you have previously configured for your DSM-750.




# Update Device

We recommend leaving this setting **ON** to be able to receive updates that can improve support for media files, fix bugs, and install new features.

Selecting **New version check** will immediately check for new versions.



# About

The **About** screen will display information about your DSM-750, including the current version.

# Extender

The **Extender** menu allows you to set up, review and edit your Extender settings. These are the following options:

- **Set up Extender**
- **Remove Setup Information**
- **Learn More**
- **Automatic Start**
- **Remote Control**
- **Launch Extender**

## Set up Extender

The **Extender** menu provides you with the option to set up your DSM-750 as a Media Center Extender.

If you have additional Windows Vista Ultimate or Home Premium PCs, you can also change which PC the Media Center Extender is connected to. After selecting **Setup Extender**, press **Next** at the welcome screen. Write down the 8 digit setup key that appears and then complete the Extender setup at the Windows Vista PC. Refer to page 38 for more information.

If the DSM-750 is not setup on a wired or wireless network, you may need to complete the network set up along with the Extender Setup. Refer to page 20.

# Remove Setup Information

If you choose to remove Extender functionality from your DSM-750, select the **Remove Setup Information** option. On the following screen, confirm your choice and click **Next**.

# Learn More

If you would like to learn more about Extender, click the **Learn More** option.

# Automatic Start

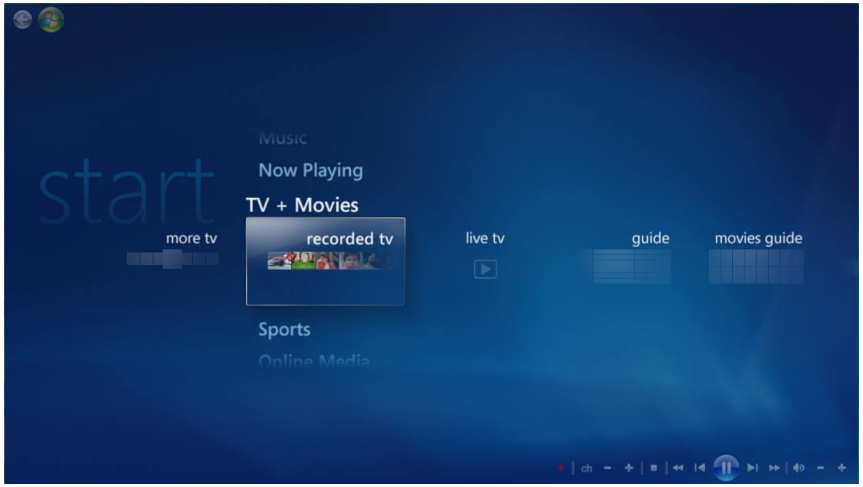
If you are interested in only using your DSM-750 as an Extender, and want to have Extender startup instead of the MediaLounge™ mode, then select **Automatic Start**. This will start Extender mode whenever you power on your DSM-750. By pressing the MediaLounge button on your DSM-750 remote control, you can still have access to **USB Direct**, **My Media** from MediaLounge mode, and **Settings**.

# Remote Control

Your remote control has a Windows Media Center button. You can disable this button from powering on Extender mode by selecting the **Remote Control** option from the menu. Follow the instructions to disable or enable this feature.

# Launch Extender

If you want to launch the Extender, you may do so by selecting the **Launch Extender** option on the **Extender** menu. You may also press the green **Windows Media Center** button on the DSM-750 remote control (see picture below) to launch Extender.



**Windows Media Center** button.

# Wireless Security

This section will show you the different levels of security you can use to protect your data from intruders. The DSM-750 offers the following types of security:

- WPA2™ (Wi-Fi Protected Access 2)
- WPA™ (Wi-Fi Protected Access)
- WEP (Wired Equivalent Privacy)

## What is WEP?

WEP stands for Wired Equivalent Privacy. It is based on the IEEE 802.11 standard and uses the RC4 encryption algorithm. WEP provides security by encrypting data over your wireless network so that it is protected as it is transmitted from one wireless device to another.

To gain access to a WEP network, you must know the key. The key is a string of characters that you create. When using WEP, you must determine the level of encryption. The type of encryption determines the key length. 128-bit encryption requires a longer key than 64-bit encryption. Keys are defined by entering in a string in HEX (hexadecimal - using characters 0-9, A-F) or ASCII (American Standard Code for Information Interchange – alphanumeric characters) format. ASCII format is provided so you can enter a string that is easier to remember. The ASCII string is converted to HEX for use over the network. Four keys can be defined so that you can change keys easily.

# What is WPA?

WPA™, or Wi-Fi Protected Access, is a Wi-Fi standard that was designed to improve the security features of WEP (Wired Equivalent Privacy).

The 2 major improvements over WEP:

- Improved data encryption through the Temporal Key Integrity Protocol (TKIP). TKIP scrambles the keys using a hashing algorithm and, by adding an integrity-checking feature, ensures that the keys haven't been tampered with. WPA2 is based on 802.11i and uses Advanced Encryption Standard instead of TKIP.

- User authentication, which is generally missing in WEP, through the extensible authentication protocol (EAP). WEP regulates access to a wireless network based on a computer's hardware-specific MAC address, which is relatively simple to be sniffed out and stolen. EAP is built on a more secure public-key encryption system to ensure that only authorized network users can access the network.

WPA/WPA2 incorporates user authentication through the Extensible Authentication Protocol (EAP). EAP is built on a more secure public key encryption system to ensure that only authorized network users can access the network.

# Wireless Installation Considerations

The D-Link DSM-750 lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, may limit the range. Typical ranges vary depending on the types of materials and background RF (radio frequency) noise in your home. The key to maximizing wireless range is to follow these basic guidelines:

1. Keep the number of walls and ceilings between the D-Link DSM-750 and your router to a minimum - each wall or ceiling can reduce your range from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized between the device and your router.

2. Be aware of the direct line between network devices. A wall that is 1.5 feet thick (.5 meters), at a 45-degree angle appears to be almost 3 feet (1 meter) thick. At a 2-degree angle it looks over 42 feet (14 meters) thick! Position devices so that the signal will travel straight through a wall or ceiling (instead of at an angle) for better reception.

3. Building Materials make a difference. A solid metal door or aluminum studs may have a negative effect on range. Try to position access points, wireless routers, and computers so that the signal passes through drywall or open doorways. Materials and objects such as glass, steel, metal, walls with insulation, water (fish tanks), mirrors, file cabinets, brick, and concrete will degrade your wireless signal.

4. Keep your product away (at least 3-6 feet or 1-2 meters) from electrical devices or appliances that generate RF noise.

5. Dualband wireless allows you to check E-mail and surf the web on the 2.4GHz band or stream High-Definition movies and other media on the clearer 5GHz band. If you are using 2.4GHz cordless phones or X-10 (wireless products such as ceiling fans, lights, and home security systems), your wireless connection may degrade dramatically or drop completely. Make sure your 2.4GHz phone base is as far away from your wireless devices as possible. The base transmits a signal even if the phone is not in use.

# Troubleshooting

## I cannot see the Setup Wizard when I turn on my DSM-750 player for the first time.

- Make sure your TV is displaying the appropriate video source. You may need to use the **AV Input**, **Source**, **Select**, or **TV/Video** button on your TV or TV remote to change video sources. If you are having trouble changing the video source, refer to the instructions that came with your TV.
- If you did not connect the player directly to your TV, but are instead passing the signal through your VCR, make sure your VCR is displaying the appropriate video source. You may need to use the **Input** or **Source** button on your VCR or VCR's remote control. Some VCRs only pass the signal through when they are turned off. If you are having trouble displaying the correct video source, refer to the instructions that came with your VCR.
- Make sure cables are connected to the IN jacks on your TV or VCR, not the OUT jacks.
- The cables you are using to connect your receiver to your TV or other equipment may be damaged or defective. Try exchanging the cables connected to the receiver with other cables that you know are working properly.
- Verify the power cord is plugged into a working power outlet and that the outlet is not controlled by a light switch.

## My remote control isn't working.

- Make sure the batteries are inserted correctly.
- Try removing the batteries and reinserting them without touching any buttons on the remote control.
- Replace the batteries with new ones.

## I can't find any of my music, photos, or video.

- Make sure your computer is powered on and that it has not entered standby or sleep mode. You may need to change your computer's power settings if you want your content to be available all the time.
- Make sure a Media Server software (such as Windows® Media Player 11) is running on your computer. If necessary, start your Media Server software again.
- If using a wired network, verify the Ethernet cable is properly attached to your DSM-750 and to a network switch, hub or router. Verify that the switch, hub or router is powered on.
- If you are using static IP addresses, verify the IP address and netmask are in the same range as other addresses on your network. Verify that the address is not already in use by another PC or device.
- Make sure the files you are sharing use a supported file format and encoding scheme.

## I can't hear any sound when I'm playing music.

- Make sure the audio cables are properly connected.
- If the audio cables are connected to your TV, the TV must be on to hear any music.
- If the audio cables are connected to your stereo, make sure the stereo is on and you have the correct stereo input source selected. If you are having trouble selecting the correct audio source, refer to the instructions that came with your stereo.

## Some of my MP3 and WMA files don't appear.

- The DSM-750 supports the most common music file formats. However, there are almost an infinite variety of bit rates and sample rates. If a file does not appear on the receiver, it most likely uses an unsupported rate.
- The files may be copy protected. To share your files, turn copy protection off when you rip them.

  ***Note:*** *Downloaded WMA files using Digital Rights Management (DRM) protection can be played by using the Windows Media Player 11 software.*

- The following MP3 sample rates are supported:

  4, 8, 16, 22.05, 24, 32, 44.1, 48, 88.2 and 96 kHz.

- For best results, rip your MP3 files at 128 kbps or higher, with a sample rate of 44.1 kHz.

## I am not able to play certain media files.

- The DSM-750 supports most industry standard file formats but even supported file formats can be encoded in ways that are not supported. Try exporting media with different encoding settings or using different software applications to encode your files.

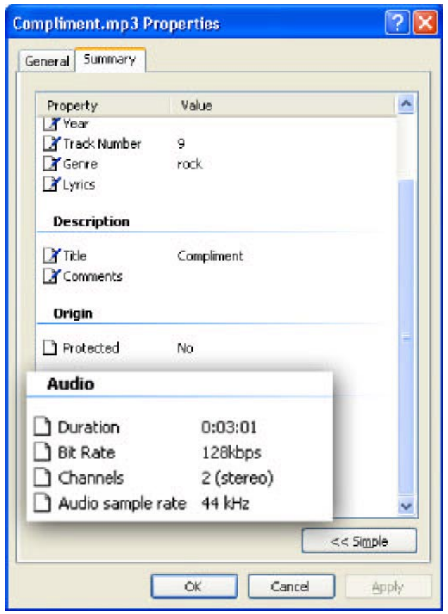
## Checking the bit and sample rates of a music file.

- To check the bit and sample rates of a music file:

1. Right-click on the file and select **Properties**.
2. Select the **Summary** tab and click the **Advanced** button. Scroll to the bottom of the list.

   The file to the right has a bit rate of 128 kbps and a sample rate of 44 kHz.

   In most cases, the sample rate does not matter unless you come across a file that will not play or appear on your player. Use the above procedure to check the file settings for supported rates.



## I created a music playlist on my computer, but it doesn't appear on my media player.

- Make sure the playlist file is located in a folder shared by your media player. Copy the playlist to your shared music folder or click on the Media Server icon to add or change your folder options.

## How do I reset my DSM-750?

- Under normal circumstances, you should not need to reset your media player. However, to fully reset the media player, lightly insert a paper clip into the reset opening on the unit's rear panel for ten seconds. You may also reset the device by accessing the **Settings** menu, and selecting **System Reset**.

## What version of firmware do I have?

- From the main home screen, access **Settings,** click on **System** and select **Update**.

## I am unable to access Rhapsody™ content.

- Make sure Rhapsody™ is running on a computer connected to the network and check your network connections.
- Verify that the UPnP Server has been started in Rhapsody™. Within the Rhapsody™ application on your computer, go to **Options**, select **User Settings**, and go to the **UPnP** tab. If the Status is stopped, click on the **Start** button. Be sure to check **Start UPnP server once logged in**.
- Make sure you are able to play audio from within the Rhapsody™ application on the computer. If you are unable to play Rhapsody™ content from the computer, check your network and Internet connection. If your Internet connection is ok but you are still unable to play Rhapsody™ content, please contact Rhapsody™ support.

## I am unable to access Napster™ or other downloaded music and/or video content.

- Make sure you have Windows® Media Player 11 running and that you are sharing the folder that contains the downloaded files.
- Make sure you have validated the D-Link® player from within Windows Media Player 11. Refer to page 39 for the **Windows Media Player 11 Setup** section.

## When sharing files with the D-Link Media Server, my PC is very slow.

- If you are sharing gigabytes of content, especially videos, please make sure that you are not running any other software that requires high CPU usage.

## It takes a long time to share files with the D-Link Media Server.

- If you are sharing gigabytes of content with your media server software, it may take several minutes depending on the size of the content you are sharing.

## The DSM-750 will not play my AVI files.

- Make sure that your AVI files are smaller than 2GB. AVI files have a limitation of 2GB. This is a limitation set in the AVI standard.

# Frequently Asked Questions

## What kind of files are supported by the DSM-750?

- Audio - MP3, WMA, WAV, AIFF, OGG

  Video - WMV9, MPEG 1, 2, and 4, AVI, XVID, H.264, DVR-MS

  Images - JPEG, PNG, BMP, GIF, TIFF, JPEG2000

## What do I need to set up the D-Link's DSM-750?

- You must have a Microsoft Windows-based home network in place, with at least one PC running Microsoft Windows Vista® or XP.

## Will any software need to be installed on my computer?

- Yes, D-Link Media Server Software, Windows Media Player 11, or any UPnP AV compliant media server software needs to be installed on a networked Windows-based PC. From this PC, you can choose the media files to be streamed to your TV. To access Rhapsody™ content, you will need the Rhapsody™ software installed on your computer. To use the DSM-750 as a Windows Media Extender, Windows Vista Home Premium or Ultimate is required. You also need to install the Media Center Extender update software from Windows Update or from the CD included with the DSM-750.

## What operating system do I need to run the server software?

- Windows Vista or XP (To support Windows Media Center on your DSM-750, Vista Home Premium or Ultimate are required.)

## How does the D-Link DSM-750 get its files from my computer?

- Windows Vista includes Windows Media Player 11, and Windows XP offers Windows Media Player 11 as a free update from Windows Update. You need a media server such as Windows Media Player 11 (or other UPnP Audio/Video media server software). Media server software allows you to add media files, in which you may then select folders that contain music, photos, and videos that you want to play.

## Why do my WMA files fail to play?

- The following low bit rate WMA files may fail to play:

  WMA 9.1 Quality 10 44kHz Stereo VBR

  WMA 9.1 Lossless Quality 100 @ 96kHz 2channel 24bit VBR

  WMA 9.1 Voice Quality 4kbps 8kHz mono

  WMA 9.1 Voice Quality 20kbps 22kHz mono

  WMA 9.1 Quality 98 44kHz Stereo

  WMA 9.1 Lossless Quality 100 @ 44kHz 2channel 16 bit VBR

## What about Copy Protection and DRM support?

- The most common method of copy protection is WMA DRM (Digital Rights Management). The DSM-750 can play these types of files if you are using the Windows® Media Player 11 software.

## How do I change the bit rate of an audio file?

- There are various audio editing programs available for download on the Internet.

## Why do my AVI files fail to play?

- The DSM-750 will only support MPEG-4 encoded AVI files. You may need to re-encode your AVI files with a video encoding software program, such as Nero Recode.

# Wireless Basics

D-Link wireless products are based on industry standards to provide easy-to-use and compatible high-speed wireless connectivity within your home, business or public access wireless networks. Strictly adhering to the IEEE standard, the D-Link wireless family of products will allow you to securely access the data you want, when and where you want it. You will be able to enjoy the freedom that wireless networking delivers.

A wireless local area network (WLAN) is a computer network that transmits and receives data with radio signals instead of wires. Wireless LANs are used increasingly in both home and office environments, and public areas such as airports, coffee shops and universities. Innovative ways to utilize WLAN technology are helping people to work and communicate more efficiently. Increased mobility and, the absence of cabling and other fixed infrastructures have proven to be beneficial for many users.

Under many circumstances, it may be desirable for mobile network devices to link to a conventional Ethernet LAN in order to use servers, printers or an Internet connection supplied through the wired LAN. A Wireless Router is a device used to provide this link.

## What is Wireless?

Wireless or WiFi technology is another way of connecting your computer to the network without using wires. WiFi uses radio frequency to connect wirelessly, so you have the freedom to connect computers anywhere in your home or office network.

## Why D-Link Wireless?

D-Link is the worldwide leader and award winning designer, developer, and manufacturer of networking products. D-Link delivers the performance you need at a price you can afford. D-Link has all the products you need to build your network.

## How does wireless work?

Wireless works similar to how cordless phones work, through radio signals that transmit data from point A to point B. But wireless technology has restrictions as to how you can access the network. You must be within the wireless network range area to be able to connect your computer. There are two different types of wireless networks Wireless Local Area Network (WLAN), and Wireless Personal Area Network (WPAN).

## Wireless Local Area Network (WLAN)

In a wireless local area network, a device called an Access Point (AP) connects computers to the network. The access point has a small antenna attached to it, which allows it to transmit data back and forth over radio signals. With an indoor access point, the signal can travel up to 300 feet. With an outdoor access point the signal can reach out up to 30 miles to serve places like manufacturing plants, industrial locations, college and high school campuses, airports, golf courses, and many other outdoor venues.

## Who uses wireless?

Wireless technology has become so popular in recent years that almost everyone is using it, whether it's for home, office, or business, D-Link has a wireless solution for it.

**Home**

- Gives everyone at home broadband access.
- Surf the web, check e-mail, instant message, and etc.
- Gets rid of the cables around the house.
- Simple and easy to use.

**Small Office and Home Office**

- Stay on top of everything at home as you would at office.
- Remotely access your office network from home.
- Share Internet connection and printer with multiple computers.
- No need to dedicate office space.

## Where is wireless used?

Wireless technology is expanding everywhere, not just at home or the office. People like the freedom of mobility and it's becoming so popular that more and more public facilities now provide wireless access to attract people. A wireless connection in a public place is usually called a "hotspot".

Using a D-Link Cardbus Adapter with your laptop, you can access the hotspot to connect to the Internet from remote locations like: Airports, Hotels, Coffee Shops, Libraries, Restaurants, and Convention Centers.

A wireless network is easy to setup, but if you're installing it for the first time it could be quite a task not knowing where to start. That's why we've put together a few setup steps and tips to help you through the process of setting up a wireless network.

## Tips

Here are a few things to keep in mind, when you install a wireless network.

### Centralize your router or Access Point

Make sure you place the router/access point in a centralized location within your network for the best performance. Try to place the router/access point as high as possible in the room, so the signal gets dispersed throughout your home. If you have a two-story home, you may need a repeater to boost the signal to extend the range.

### Eliminate Interference

Place home appliances such as cordless telephones, microwaves, and televisions as far away as possible from the router/access point. This would significantly reduce any interference that the appliances might cause since they operate on the same frequency. Streaming HD Video and Multimedia over 5GHz, will play better wirelessly.

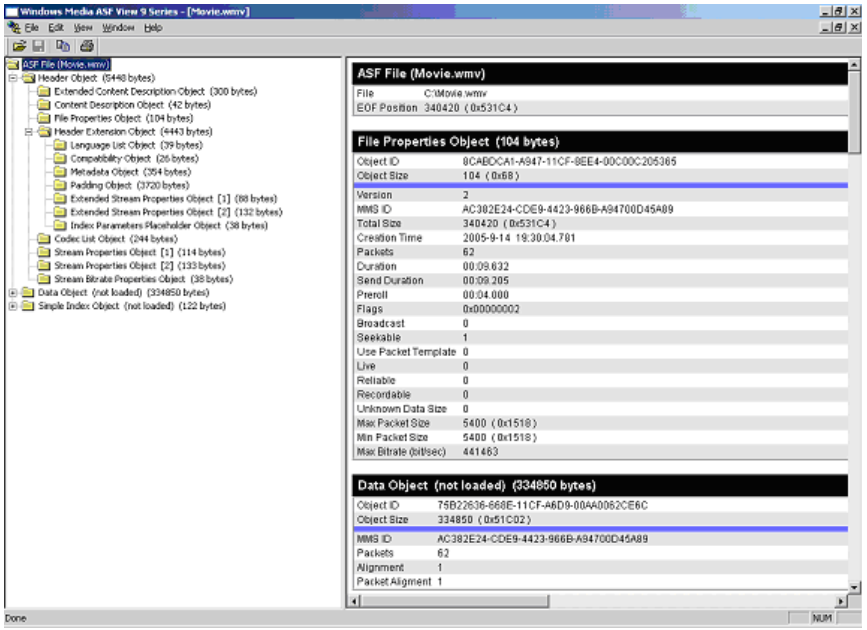
### Security

Don't let you next-door neighbors or intruders connect to your wireless network. Secure your wireless network by turning on the WPA™ or WEP security feature on the router. Refer to the product manual for detailed information on how to set security up.

# How to Check your Media

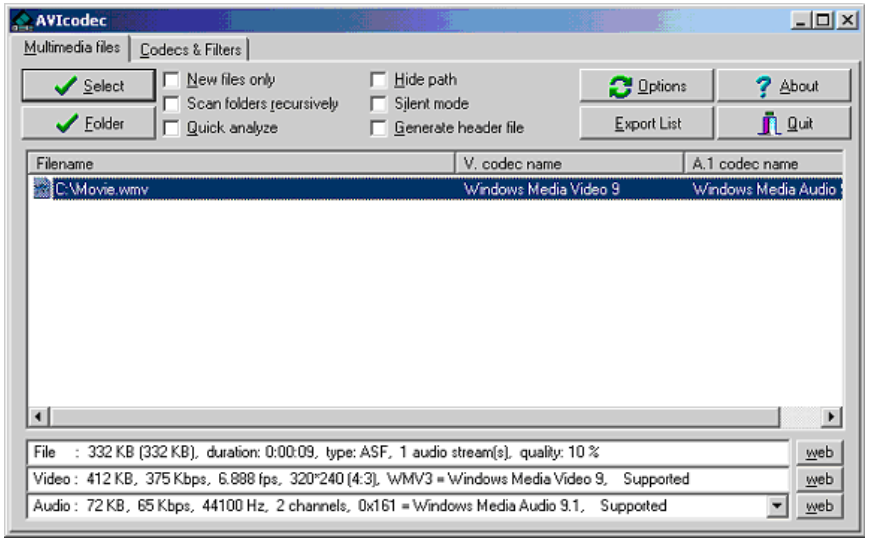
For WMA/WMV/MP3, you may use “Windows Media ASF Viewer 9 Series” to examine your media files. This tool can be downloaded from: http://www.microsoft.com/windows/windowsmedia/format/ASFViewer.aspx

Here is a sample screenshot of the Windows® Media ASF Viewer examining a WMV file.




For AVI/WMV/OGG/MPEG/MP3, you may use “AVICodec” to examine your media files. This tool can be downloaded from: http://avicodec.duby.info/

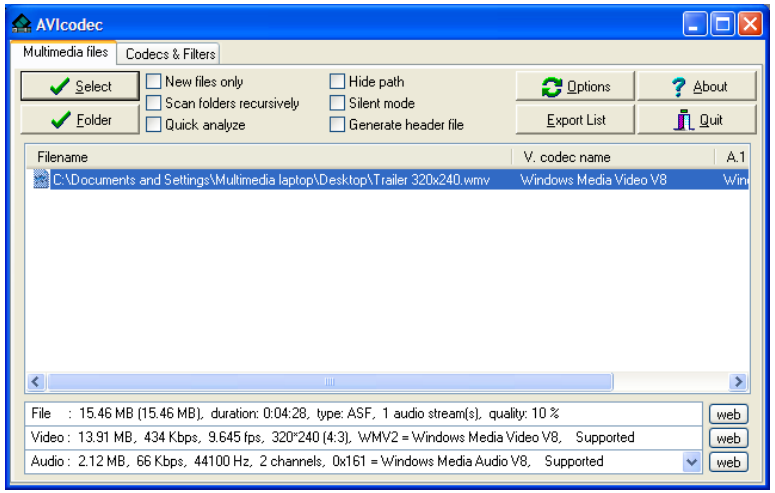
Here is a sample screenshot of AVICodec



# Converting an Earlier WMV File

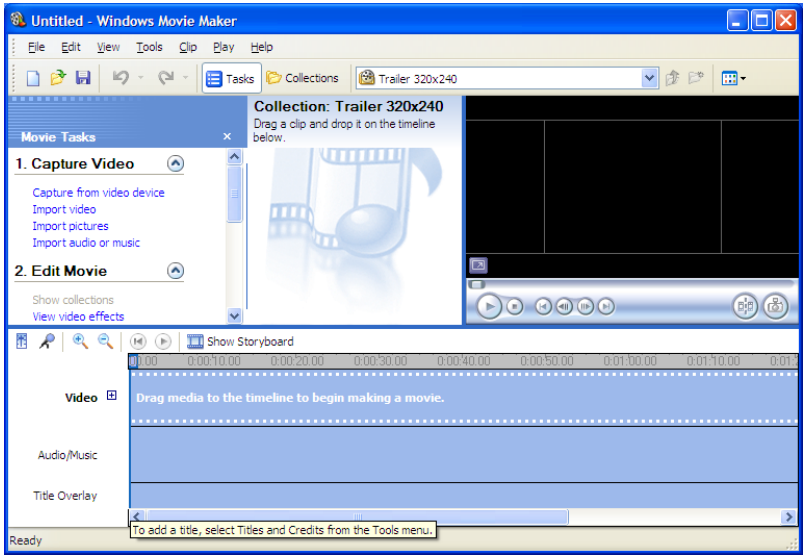
There are many variations of video files (including WMV files) which may affect playback on the DSM-750. To alleviate this issue, there are software tools available on the web to check the properties of a video file and to convert an earlier WMV file into WMV9. If you have Windows® XP, your Windows comes with a tool from Microsoft called “Movie Maker.” With this tool, you can create and edit video files into Windows Media Video 9 (WMV9) format. Here is an example of converting a WMV8 file into WMV9.

**Step 1**: Verify your WMV file codec using a validation tool. In the “Video” field, it tells you the selected video file is a WMV8 instead of a supported WMV9 by your HD media player. Therefore, we need to convert this file into a WMV9 format in order for you to play it.

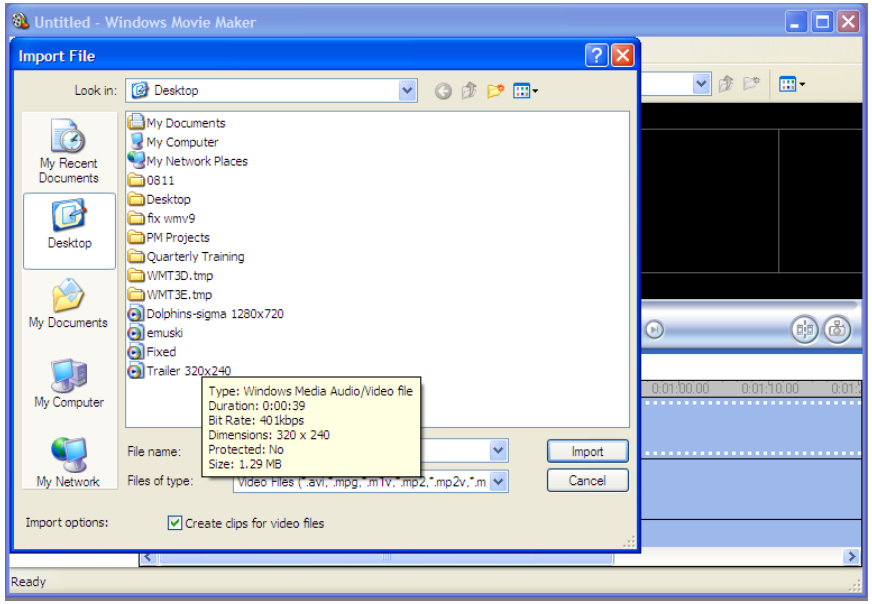



This is AVIcodec, which is used to convert an earlier WMV file into WMV9.

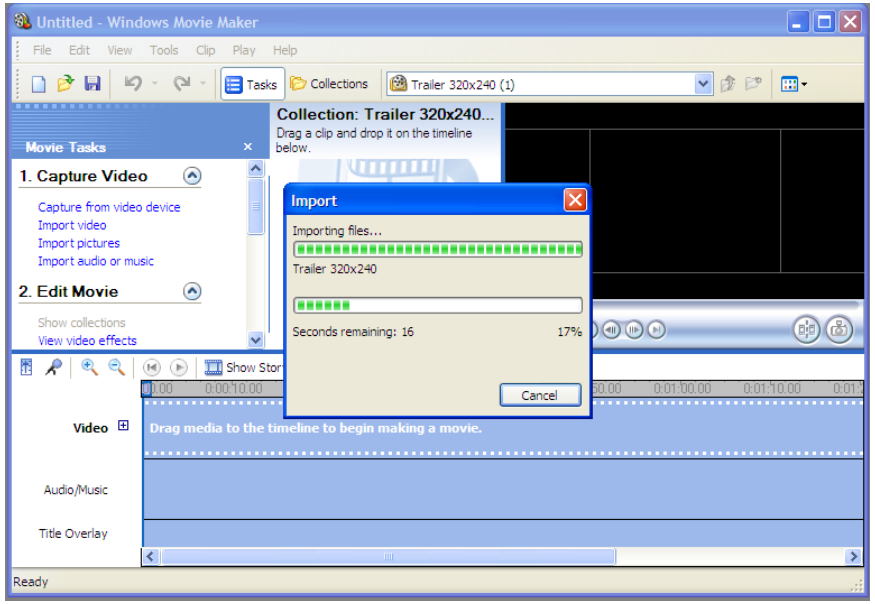
**Step 2**: Open “Windows Movie Maker”. Import the video you wish to convert.



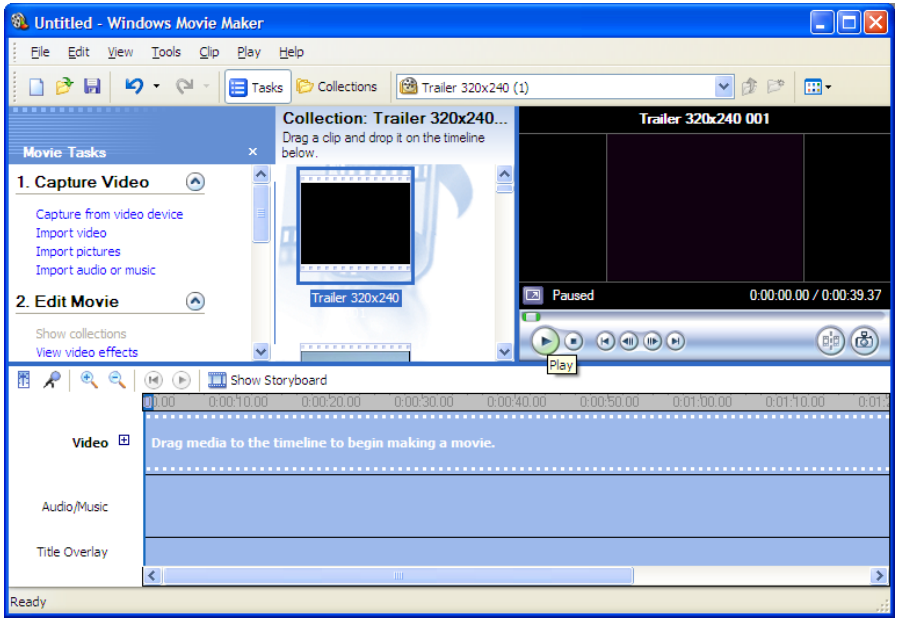
**Step 3**: Select the video file.



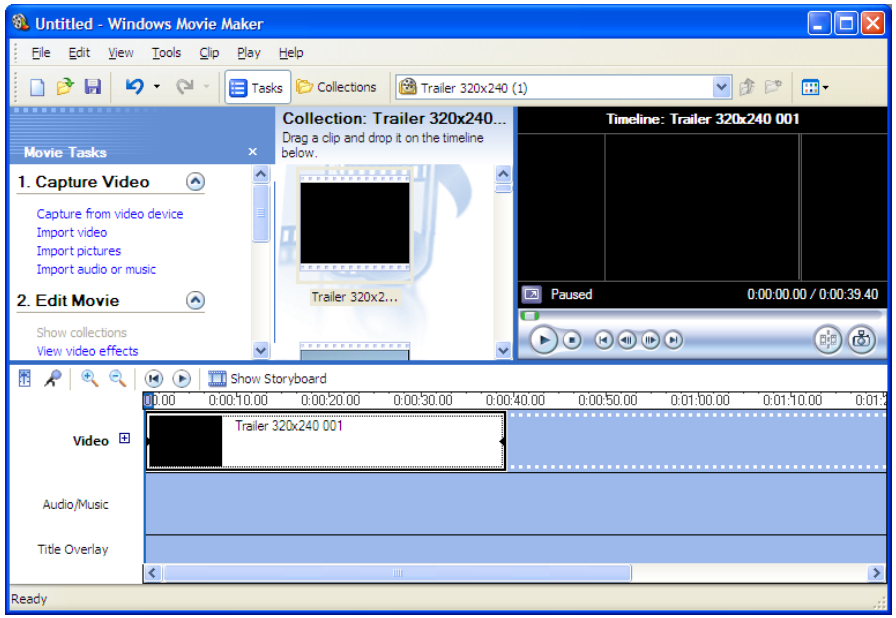

**Step 4**: Movie Maker will start importing the file.



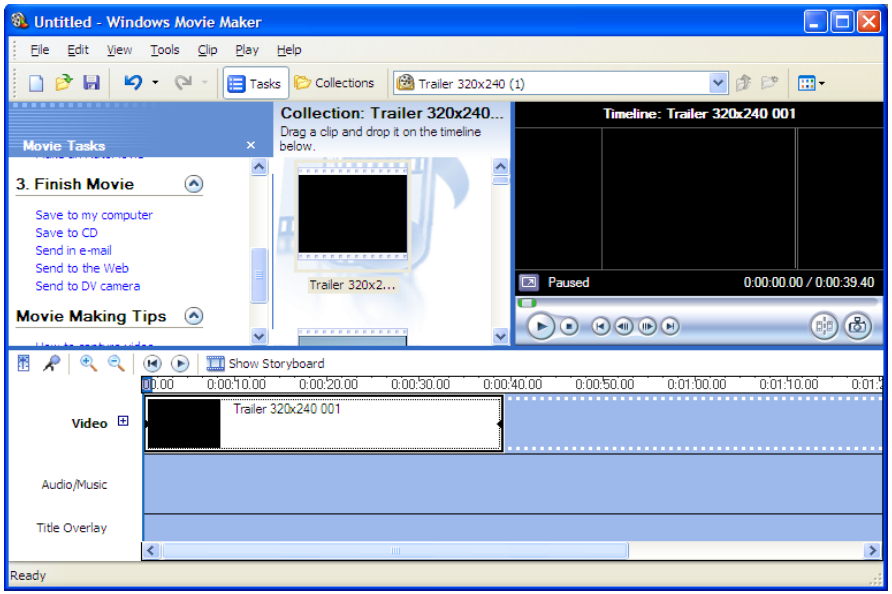
**Step 5**: The video file you selected will show up in display.



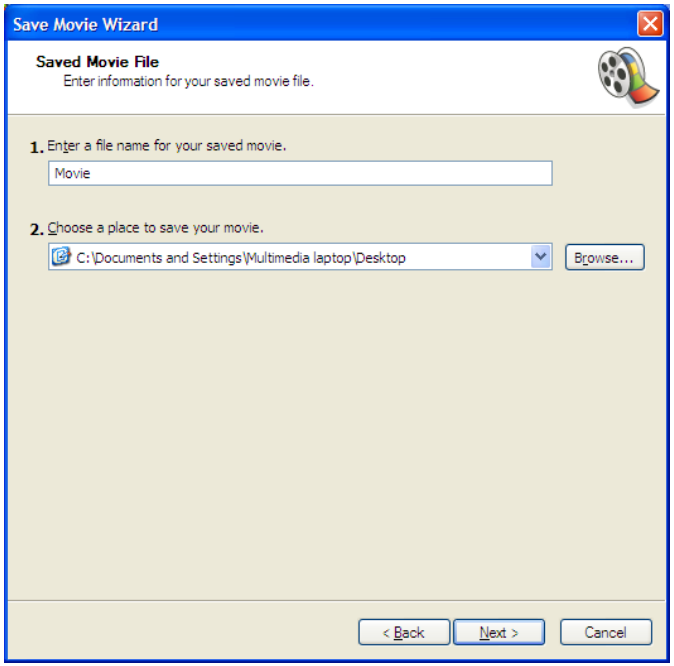

**Step 6**: Drag and drop the video into the bottom panel for editing.



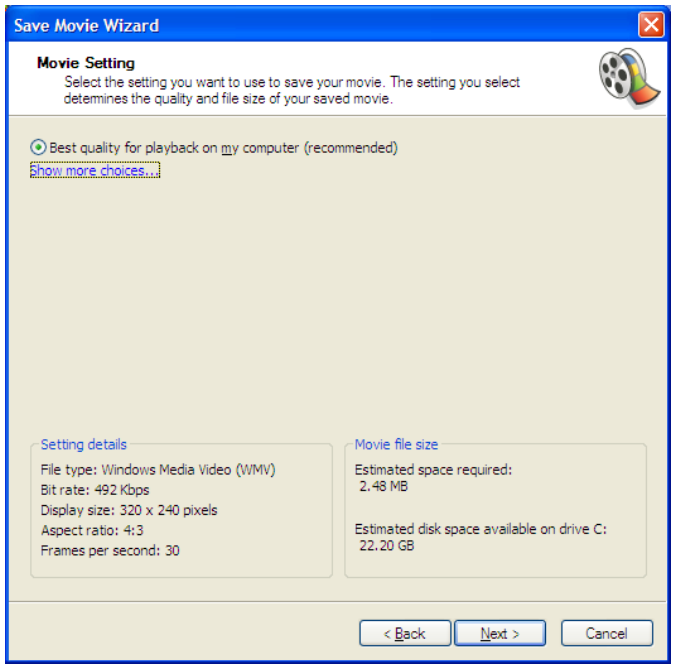
**Step 7**: Select “Save to my computer” on the left panel.



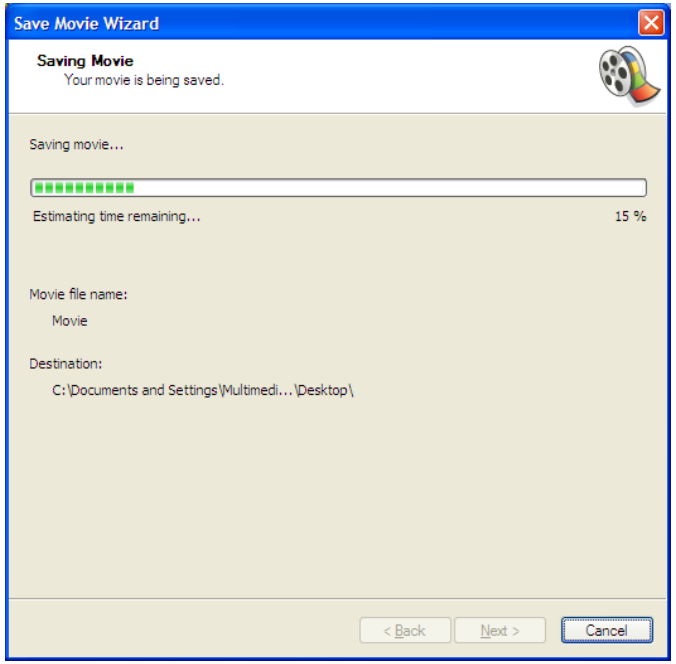

**Step 8**: Give the new file a name and select the desired location to save it.



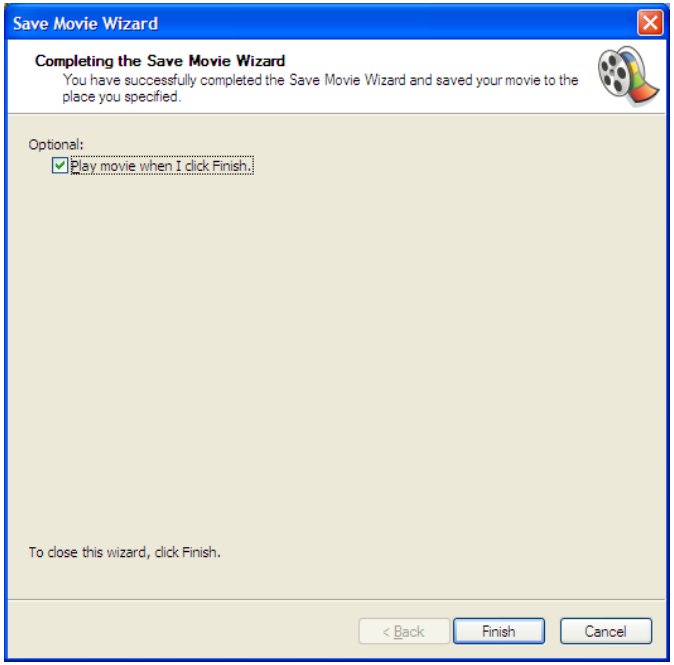
**Step 9**: Select the quality of your new video file.



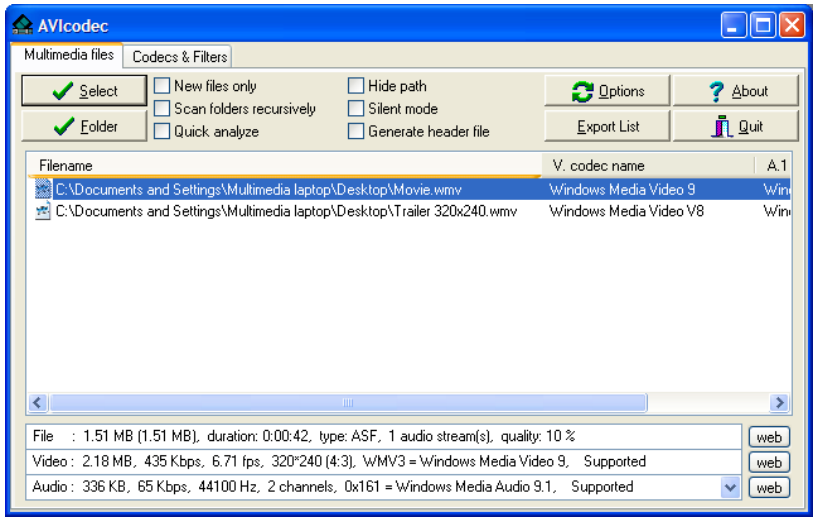

**Step 10**: Once selected, Movie Maker will start creating your new video file.



**Step 11**: Once completed, this screen will show up.




You can verify the new video file is created in WMV9 format. (This screenshot shows you both the old file (WMV8) and the new file (WMV9))



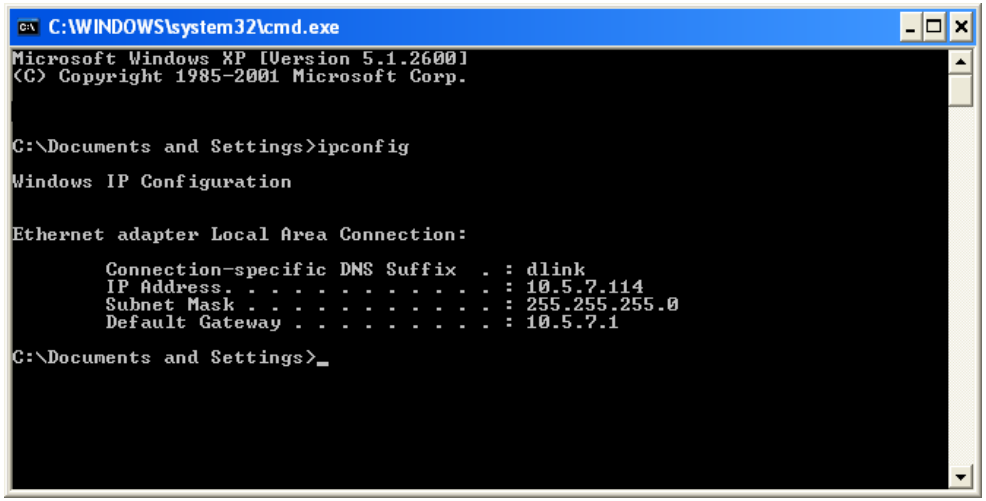
# Audio and Video Cables Guide

# Networking Basics

## Check your IP Address

After you install your new D-Link DSM-750, by default, the network settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify DHCP is working, you can verify the IP address of a PC on the same network as your DSM-750, by following the steps below.

Click on **Start** > **Run**. In the run box type ***cmd*** and click **OK**.




At the prompt, type ***ipconfig*** and press **Enter**.

This will display the IP address, subnet mask, and the default gateway of your adapter.

If the address is 0.0.0.0, check your adapter installation, security settings, and the settings on your router. Some firewall software programs may block a DHCP request on newly installed adapters.

If you are connecting to a wireless network at a hotspot (e.g. hotel, coffee shop, airport), please contact an employee or administrator to verify their wireless network settings.

# Technical Specifications

**Network**

- TCP/IP (DHCP or Static IP Address)
- 802.11g Wireless
- 802.11b Wireless
- 802.11a Wireless
- Wired LAN: 10/100Mbps
- 11n Dualband

**Media Streaming Protocol**

- HTTP
- RTSP

**Supported Audio Formats:**

- MP3 (up to 320 kbps)
- WAV & AIFF (AIFF files must be encoded in PCM format only.)
- WMA (Does not support WMA lossless)
- MPEG 1 and MPEG 2 - Audio using the file extension .mp3
- OGG Vorbis - Audio using the .ogg extension
- FLAC

**Supported Image Formats:**

- JPEG (Grayscale, RGB, YCbCy) (*Does not support CMYK, YCCK*)
- BMP (Non-compressed)
- PNG (Non-alpha channel only)
- TIFF (RGB) *(Does not support CMYK, YMC, YMCK, KCMY*)
- JPEG2000
- GIF (*Does not support animated GIF's*)

**Supported Video Formats:**

- WMV9 (Resolution up to 720p)
- MPEG 1 (up to 8Mbps, Resolution up to 480p)
- MPEG 2 (up to 8Mbps, Resolution up to 1080i)
- MPEG 4 (ASP - Advanced Simple Profile)
- DVR-MS
- H.264 (including .avi and .mkv)
- VC-1
- XVID (with MP3 and PCM)
- AVI (MPEG4 layer only, does not support uncompressed AVI, Resolution up to 1080i)

**Supported Subtitle Format:**

- SRT

**Audio Playlist Formats:**

- M3U
- PLS
- WPL

**Outputs:**

- HDMI (High-Definition Multimedia Interface)
- Component Video
- Coax Digital Audio
- Optical Digital Audio
- Composite Audio and Video
- S-Video

** Environmental conditions may adversely affect wireless signal range.

**Antenna:**

- Type: 2.4GHz and 5GHz swivel-type monopole antenna
- Frequency: 2.4GHz to 5GHz
- Impedance: 50 ohms
- Gain: 2dBi

**Dimensions**

- H x W x L: 1.5” x 11.25” x 16.75”
- Weight: 5.5 pounds

**Security:**

- Hardware-based WEP (Wired Equivalent Privacy) and WPA™/WPA2™-PSK
- Up to 128-bit encryption

**Configuration:**

- UPnP-AV 1.0 Enabled
- Media Center Extender

**PC System Requirements**

- Connection to wireless or Ethernet network
- Windows Vista® or XP
- CD-ROM drive
- Broadband Internet Service *(For media zone access and firmware updates)*

**Power Source:**

- 110~220V, 10W Max.

**Power Consumption:**

- 15W

**Environmental specification**

- Operating temperature: 0°C to 45°C
- Storage temperature: -25°C to 55°C
- Operating relative humidity: 10% to 95% non-condensing

**Certifications:**

- FCC
- CSA
- CE

**Dimensions:**

- L= 16.75 inches
- W= 11.25 inches
- H= 1.5 inches

**Weight:**

- 5.5 lbs

**Warranty:**

- 1 Year

# Contacting Technical Support

U.S. and Canadian customers can contact D-Link technical support through our web site or by phone.

Before you contact technical support, please have the following ready:

- Model number of the product (e.g. DSM-750)
- Hardware Revision (located on the label on the bottom of the router (e.g. rev A1))
- Serial Number (s/n number located on the label on the bottom of the router).

You can find software updates and user documentation on the D-Link website as well as frequently asked questions and answers to technical issues.

**For customers within the United States:**

**Phone Support:**
(877) 453-5465

**Internet Support:**
http://support.dlink.com

**For customers within Canada:**

**Phone Support:**
(800) 361-5265

**Internet Support:**
http://support.dlink.com

# Warranty

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. (“D-Link”) provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

## Limited Warranty:

D-Link warrants that the hardware portion of the D-Link product described below (“Hardware”) will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below (“Warranty Period”), except as otherwise stated herein.

- Hardware (excluding power supplies): One (1) year
- Power supplies: One (1) year
- Spare parts and spare kits: Ninety (90) days

The customer’s sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link’s option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

## Limited Software Warranty:

D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

## Non-Applicability of Warranty:

The Limited Warranty provided hereunder for Hardware and Software portions of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

**Submitting A Claim:**

The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.

- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-453-5465, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form and entering the assigned Case ID Number at https://rma.dlink.com/.

- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the product and will not ship back any accessories.

- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery ("COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to D-Link Systems, Inc., 17595 Mt. Herrmann, Fountain Valley, CA 92708. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer. D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.

## What Is Not Covered:

The Limited Warranty provided herein by D-Link does not cover:
Products that, in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; and Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product.

While necessary maintenance or repairs on your Product can be performed by any company, we recommend that you use only an Authorized D-Link Service Office. Improper or incorrectly performed maintenance or repair voids this Limited Warranty.

## Disclaimer of Other Warranties:

EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.

IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO THE DURATION OF THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

## Limitation of Liability:

TO THE MAXIMUM EXTENT PERMITTED BY LAW, D-LINK IS NOT LIABLE UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY FOR ANY LOSS OF USE OF THE PRODUCT, INCONVENIENCE OR DAMAGES OF ANY CHARACTER, WHETHER DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF GOODWILL, LOSS OF REVENUE OR PROFIT, WORK STOPPAGE, COMPUTER FAILURE OR MALFUNCTION, FAILURE OF OTHER EQUIPMENT OR COMPUTER PROGRAMS TO WHICH D-LINK'S PRODUCT IS CONNECTED WITH, LOSS OF INFORMATION OR DATA CONTAINED IN, STORED ON, OR INTEGRATED WITH ANY PRODUCT RETURNED TO D-LINK FOR WARRANTY SERVICE) RESULTING FROM THE USE OF THE PRODUCT, RELATING TO WARRANTY SERVICE, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY, EVEN IF D-LINK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE SOLE REMEDY FOR A BREACH OF THE FOREGOING LIMITED WARRANTY IS REPAIR, REPLACEMENT OR REFUND OF THE DEFECTIVE OR NONCONFORMING PRODUCT. THE MAXIMUM LIABILITY OF D-LINK UNDER THIS WARRANTY IS LIMITED TO THE PURCHASE PRICE OF THE PRODUCT COVERED BY THE WARRANTY. THE FOREGOING EXPRESS WRITTEN WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ANY OTHER WARRANTIES OR REMEDIES, EXPRESS, IMPLIED OR STATUTORY.

## Governing Law:

This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This Limited Warranty provides specific legal rights and you may also have other rights which vary from state to state.

## Trademarks:

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## CE Mark Warning:

This is a Class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

## FCC Statement:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

# Registration

Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

Version 1.2
December 18, 2008