

D-Link®



User Manual

DSM-210

10" WIRELESS
INTERNET PHOTO FRAME

Preface

D-Link reserves the right to revise this publication and to make changes in the content hereof without obligation to notify any person or organization of such revisions or changes.

Manual Revisions

| Revision | Date | Description |
|----------|----------------|--|
| 1.0 | April 14, 2008 | DSM-210 Revision A1 with Firmware version 1.00 |
| 1.1 | May 30, 2008 | Updated with minor changes |

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Safety Instructions

Use the following safety guidelines to ensure your own personal safety and to help protect your system from potential damage. Such acts not expressly approved by D-Link will result in the loss of product warranty.

Unless expressly approved by D-Link Systems, you may not:

- Disassemble or reverse engineer the device or attempt to derive source code (underlying ideas, algorithms, or structure) from the equipment or from any other information provided by D-Link Systems, except to the extent that this restriction is expressly prohibited by local law.
- Modify or alter the device.
- Remove from the device any product identification or other notices.

To reduce the risk of bodily injury, electrical shock, fire, and damage to the equipment, observe the following precautions:

Power Sources

- Observe and follow service markings.
- Do not push any objects into the openings of your device. Doing so can cause a fire or an electric shock by shorting out interior components.
- The powering of this device must adhere to the power specifications indicated for this product.
- Do not overload wall outlets and/or extension cords as this will increase the risk of fire or electric shock.
- Do not rest anything on the power cord or on the device.

-
- Position system cables and power cables carefully; route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.
 - Operate the device only from the type of external power source indicated on the electrical ratings label.
 - Be sure that attached devices are electrically rated to operate with the power available in your location.
 - Use only approved power cable(s). If you have not been provided with a power cable for your device or for any AC-powered option intended for your device, purchase a power cable that is approved for use in your country. The power cable must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cable should be greater than the ratings marked on the product.
 - To prevent an electric shock, plug the device and peripheral power cables into properly grounded electrical outlets. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If you must use an extension cable, use a 3-wire cable with properly grounded plugs.
 - Observe extension cable and power strip ratings. Make sure that the total ampere rating of all products plugged into the extension cable or power strip does not exceed 80 percent of the ampere ratings limit for the extension cable or power strip.
 - To protect your device from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
 - Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local/national wiring rules.

Servicing/Disassembling

- Do not service any product except as explained in your system documentation.
- Opening or removing covers that are marked with the triangular symbol with a lightning bolt may expose you to an electrical shock. Only a trained service technician should service components inside these compartments.
- To reduce the risk of electric shock, never disassemble this device. None of its internal parts are user-replaceable; therefore, there is no reason to access the interior.
- Do not spill food or liquids on your system components, and never operate the device in a wet environment. If the device gets wet, see the appropriate section in your troubleshooting guide or contact your trained service provider.
- Use the device only with approved equipment.
- Move product with care.

Environment

- Always position the DSM-210 on a stable and level surface. Unstable surfaces can cause the DSM-210 to fall, resulting in possible damage or injury.
- Do not use this device near water (e.g. near a bathtub, sink, laundry tub, fish tank, in a wet basement or near a swimming pool).
- Do not use this device in areas with high humidity.
- This device must not be subjected to water or condensation.
- Keep your device away from radiators and heat sources.

Cleaning

- Always unplug the power before cleaning this device.
- Do not use liquid or aerosol cleaners of any kind.
- Use a dry, lint-free cloth for cleaning.

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Package Contents

- D-Link DSM-210 Wireless Internet Photo Frame
- Remote Control (batteries included)
- Power Adapter
- Stand
- CAT5 Ethernet Cable
- Faceplates (1 black / 1 white)
- CD-ROM with Widget Software and User Manual
- Quick Setup Guide



System Requirements

For Standalone Use:

- Photos can be viewed directly from a compatible memory card or USB flash drive
- A Computer is Not Required

To View Photos Stored on a PC or Network Attached Storage (NAS):

- A wired (10/100) or wireless (802.11g) network
- Computer with:
 - Windows Vista®, XP (SP2), or 2000 (SP4)
 - CD-ROM Drive to Install Included Widget Software
 - Wired or Wireless Network Adapter
 - UPnP™ AV Media Sharing Software (e.g. Windows Media Player 11)
- NAS with Built-in Support for UPnP AV (e.g. D-Link DNS-323)

To View Photos and Information from Online Services:

- A wired or wireless network with Internet Access

Introduction

The D-Link® 10" Wireless Internet Photo Frame (DSM-210) combines the benefit of a digital photo frame with the convenience of the Internet. Now you can display and share family, vacation, and holiday photos with friends and loved ones around the world. The frame can also access the Internet to view new photos from multiple photo hosting websites and get RSS feeds of the latest news, weather, sports, and more.

UNLEASH YOUR PHOTOS

With the Internet Photo Frame you can finally display all of those digital photos you have sitting untouched in your PC. Don't let all those wonderful memories collect dust on your hard drive where no one will ever see them again. Display the DSM-210 in your living room and let guests see photos from your latest vacation, holiday, or other family outing.

THE INTERNET IN A FRAME

Send the DSM-210 as a gift to your family and loved ones. Then share your latest photos with them through popular photo sharing sites such as Flickr™, Picasa™, Facebook™, FrameChannel, and more. You can also use the Internet Photo Frame to subscribe to your favorite RSS feeds. Get the latest news, stock updates, sports scores, clock, calendar, weather conditions, and more directly on your frame.

WIRED OR WIRELESS

With the Internet Photo Frame you won't be tied to simply using a memory card to upload new photos. Use the convenience of your home network to get new photos using a wired Ethernet connection or the DSM-210's built-in wireless connection. Wireless setup is made even easier using WPS (Wi-Fi® Protected Setup). Simply push the WPS button on the frame and then on your compatible router to connect.

MORE THAN MEMORY CARDS

The Internet Photo Frame can also handle many of your standard flash memory formats such as USB thumb drive, SD, MMC, and Memory Stick. Or you can choose to get pictures from a local UPnP-AV server such as a PC or Network Attached Storage (NAS) device. Additionally, you can save pictures to the 1GB of internal memory

IN THE HALL OR ON THE WALL

Use the DSM-210 just as you would any standard photo frame. The frame can be wall mounted to hang in your living room or proudly displayed next to all your other photo frames on a shelf in the hall.

BEING GREEN IS GOOD

Power savings isn't just for large appliances anymore. The Internet Photo Frame has motion detection so it can automatically turn on when you enter the room or off if nobody is in the room.

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Product Overview

Back Panel

WPS Button

Press to configure the DSM-210 with a WiFi Protected Setup (WPS) compatible router or access point.

Power Button

Press to turn on/off.

Memory Card Slot

Insert a memory card with stored pictures to display or copy to the internal memory. The DSM-210 supports Secure Digital (SD), Secure Digital High Capacity (SDHC), MultiMedia Card (MMC), and Memory Stick.

Reset Button

Press and hold for 10 seconds to reset the settings to the factory default values.

USB Port

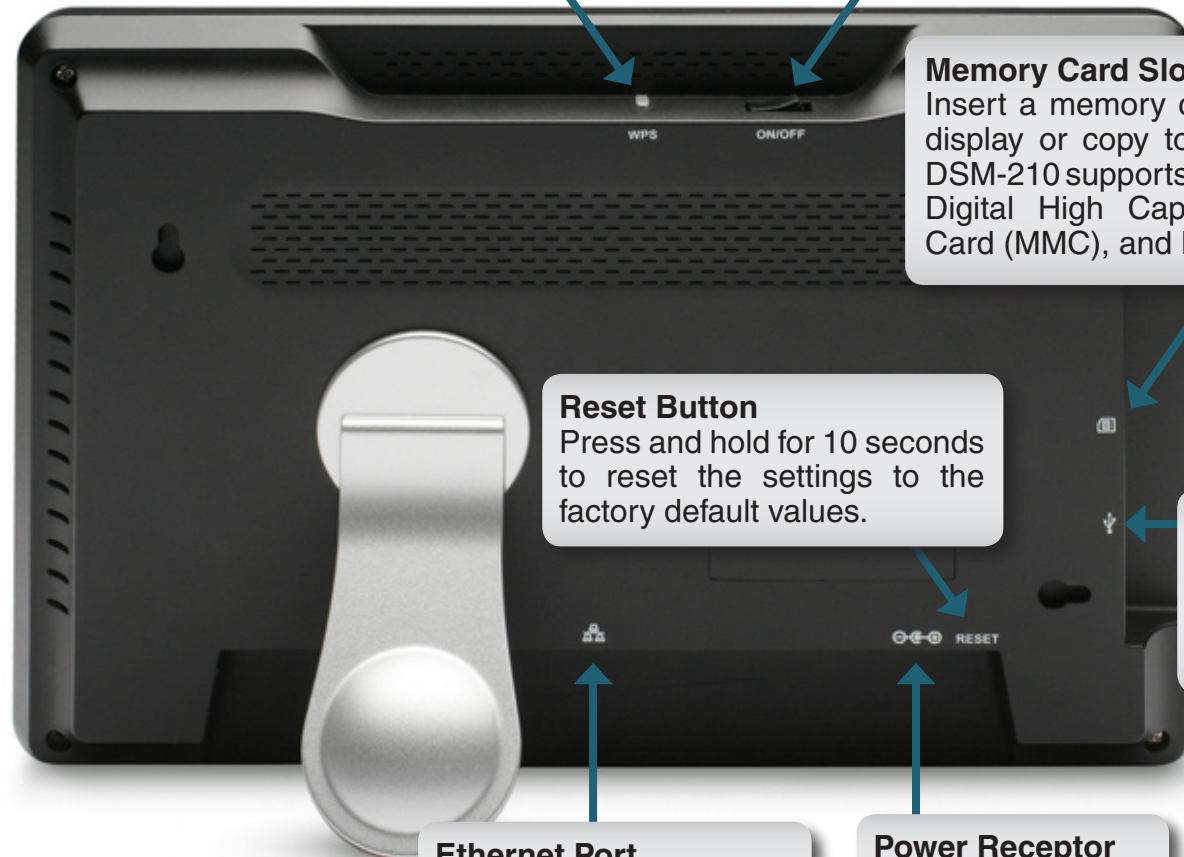
Insert an USB thumb drive with stored pictures to display or copy to the internal memory.

Ethernet Port

Connect to your network using an Ethernet cable.

Power Receptor

Insert the supplied power adapter.



Front Panel

Removable Faceplate

To change the faceplate, use your finger to pull off the magnetic faceplate from the corners. Place the new faceplate onto the DSM-210.

Remote Sensor

Sensor for the remote control.



Motion Sensor

The frame will turn off if no one is in the room and turn on automatically when someone enters the room.

Back

During a slide show, press to display the previous picture.

Play/Pause

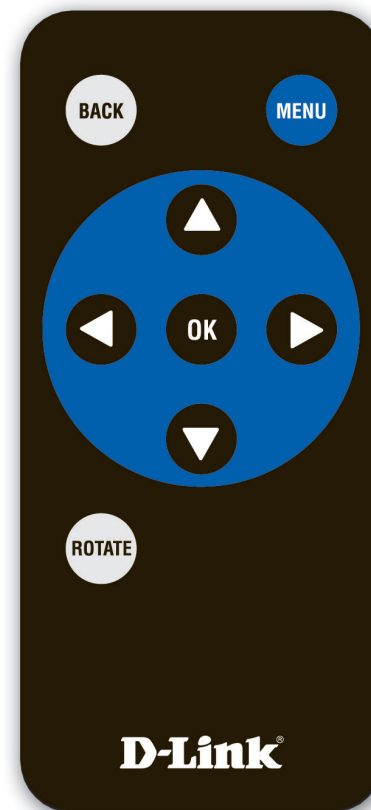
During a slide show, press to pause or resume.

Forward

During a slide show, press to display the next picture.

Remote Control

| BUTTON | FUNCTION |
|-------------------|--|
| Back | Press to return to previous screen. |
| Menu | Press to display a list of options. |
| Arrow Keys | Press to navigate through menu options, slide shows, and pictures. |
| OK | Press to accept the current selection or option, or press to start/pause in slide show mode. |
| Rotate | Press to rotate the image clockwise 90° each time button is pressed. |



Wireless Installation Considerations

The D-Link wireless product 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 or business. The key to maximizing wireless range is to follow these basic guidelines:

1. Minimize the number of walls and ceilings between the access point/wireless router and other network devices/adapters - each wall or ceiling can reduce your signal from 3-90 feet (1-30 meters.) Position your devices so that the number of walls or ceilings is minimized.
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 such as microwaves, monitors, etc.
5. 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.

Installation

Attach the Stand

To place the Internet Photo frame on a shelf or a flat surface, attach the supplied stand.

Align the arrow on the stand with the arrow on the back of the frame (approximately at the 2:00 position).

- To use in horizontal position (as shown), turn the stand counter-clockwise to the H position until the stand locks into place.
- To use in vertical (portrait mode) position, turn the stand clockwise to the V position until the stand locks into place.



Connect Ethernet Cable

If you are connecting the DSM-210 to a wired network, connect an Ethernet cable to the Ethernet port on the DSM-210 and the other end into your router or switch. If you are connecting to a wireless network, you can skip this step.



Connect Power Supply

Connect the supplied power adapter to the DSM-210 and the other end into an outlet.



Configuration

This section will show you how to configure your new D-Link Wireless Internet Photo Frame. If you are not going to connect your DSM-210 to a network or to the Internet, and simply want to display pictures from the internal memory, memory card, and/or from an USB thumb drive, then skip to page 16.

Connect to a Wireless Network

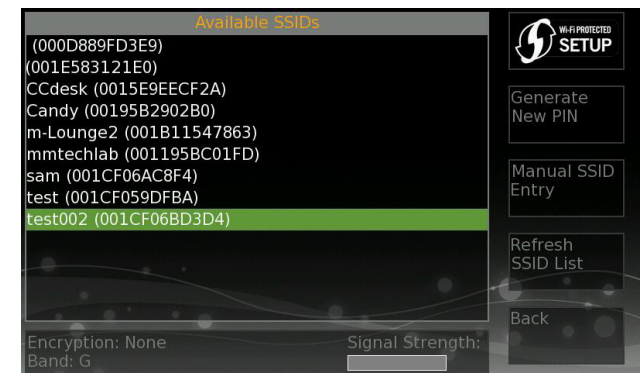
For the quickest and easiest installation, it is highly recommended that both DHCP and SSID Broadcast are enabled on your home network. Most networks have DHCP and SSID broadcast enabled to allow new devices to find the wireless network and connect automatically. If not, then you will need to manually enter the network settings and/or the SSID of your wireless network (skip to page 15).

Note: DHCP (Dynamic Host Configuration Protocol) allows network settings required by the DSM-210 to be set automatically.

You may also use the WPS button for installation. However, it can only be used if your router or access point supports Wi-Fi Protected Setup (WPS). Skip to page 12 for WPS installation.

To bring up a list of available wireless networks, use the arrow keys on the remote control and navigate to the **Setup** icon. Select **Wireless Settings** and press **OK**.

A list of available networks will appear in the left pane. Select your wireless network and press **OK**.



WPA-PSK

If the wireless network you are connecting to is using wireless security you will be prompted to enter the security passphrase.

Using the arrow keys on the remote control, select each letter or number from the on screen keyboard and press **OK**. Once the passphrase is complete, select **Enter** from the on screen keyboard.

Note: Allow about a minute for the DSM-210 to connect to your wireless network.

Once you connect, you may skip to page 15 to configure/verify your network settings.



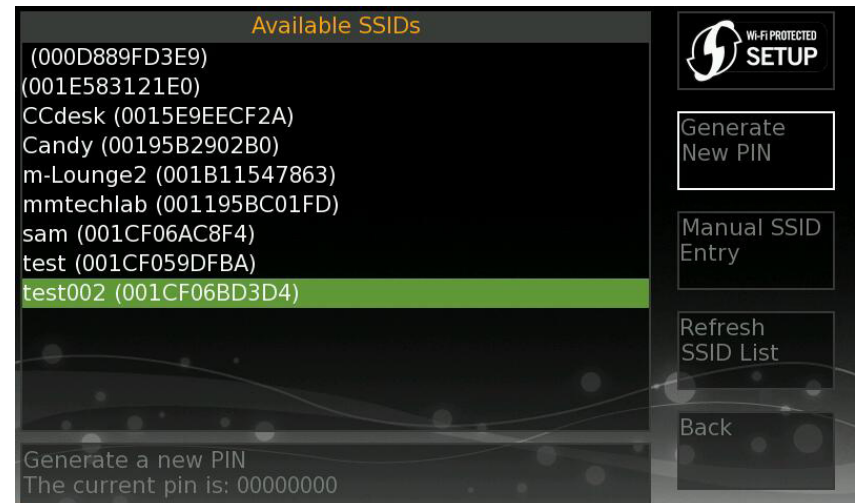
WPS

Wi-Fi Protected Setup (WPS) is the Wi-Fi Alliance's standard for wireless security at the touch of a button. With WPS, the wireless network name (SSID) and encryption keys are automatically generated and broadcast to the client devices. Users do not have to memorize and input complicated passwords on their wireless devices. This considerably simplifies the process of setting up a wireless network securely.

If your wireless router or access point supports WPS, you may configure the DSM-210 using the push-button or PIN method.

Push-button Method: Press the **WPS** button on the top of the frame or select the **Wi-Fi Protected Setup** on-screen button in the upper-right corner and press **OK**. You will also need to press the WPS button on your wireless router or access point within 120 seconds.

PIN Method: You can create a PIN by clicking the **Generate New PIN** on the right side. Enter this PIN into your wireless router or access point.



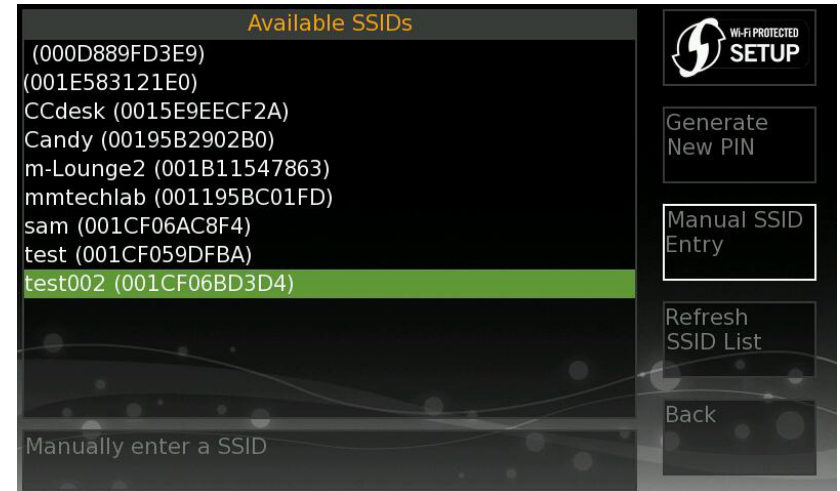
Please refer to your wireless router or access point documentation for more information on how to add a WPS client to your network.

Once you connect, you may skip to page 15 to configure/verify your network settings.

Manually Enter SSID

If the SSID Broadcast is not enabled on your wireless router or access point, it is necessary to enter the SSID or network name manually. In the right column, select **Manual SSID Entry**.

Using the remote control, press the arrow keys to select each letter or number and press **OK**. Once the SSID is complete, select **Enter** on the onscreen keyboard. The SSID is case-sensitive and must be entered exactly the same as on your wireless access point or router.

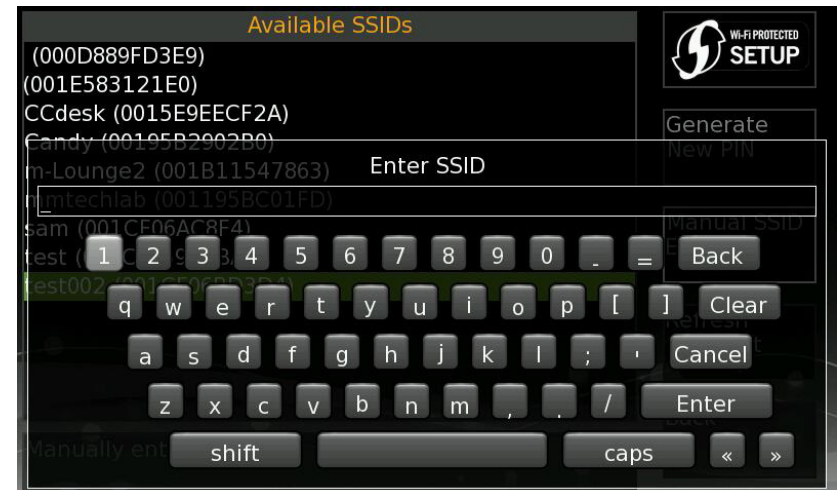


If the wireless network you are connecting to is using wireless security you will be prompted to enter the security passphrase.

Using the arrow keys on the remote control, select each letter or number from the on screen keyboard and press **OK**. Once the passphrase is complete, select **Enter** from the on screen keyboard (refer to page 11).

Note: Allow about a minute for the DSM-210 to connect to your wireless network.

Once you connect, you may skip to page 15 to configure/verify your network settings.



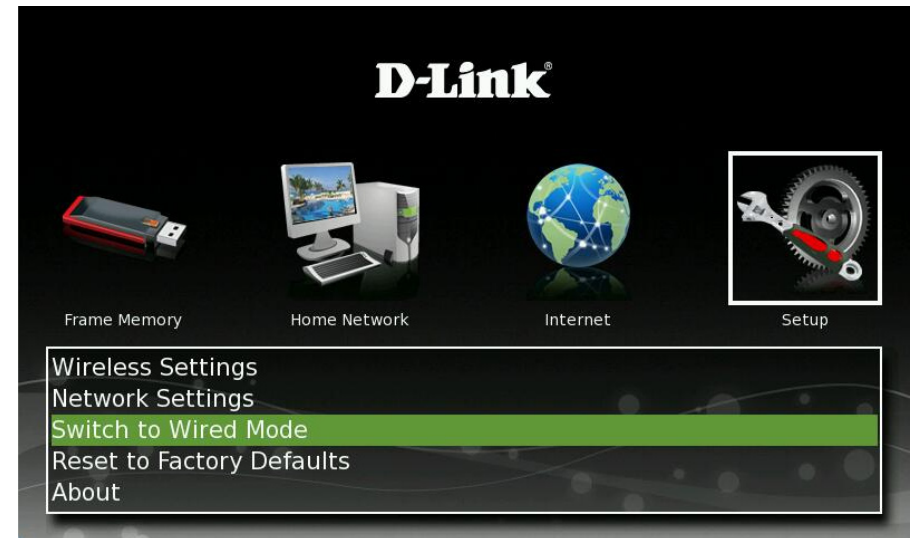
Connect to a Wired Network

By default, the picture frame is set to wireless mode. To connect to your network using an Ethernet cable, you must set the picture frame to wired mode.

Once the DSM-210 is powered on, use the remote control to navigate to the **Setup** icon.

Select **Switch to Wired Mode**. The picture frame will reboot.

Once rebooted, navigate to the **Setup** icon and select **Network Settings** to configure the IP settings (see next page).



Network Settings

By default the DSM-210 is set to DHCP, allowing your network settings to be automatically configured from your router or DHCP server. Most networks have DHCP enabled. If you are not sure, please verify your router's settings.

If you would like to set a fixed IP address for your frame, select **Static** and press **OK**. Enter the IP settings in the 5 fields and select **OK** to save. When DHCP is selected, the fields will be greyed out.

Verify your settings listed below **Current Settings**.

IP Address Mode: Displays **Static** or **DHCP**.

IP Address: The current IP Address of your DSM-210.

Subnet Mask: The current subnet mask.

Default Gateway: The IP Address of your router or gateway.

DNS1/DNS2: The addresses of your DNS server (usually the IP address of your router)

SSID: The name of the wireless network you are connected to (Wireless mode only).

Channel: Displays the wireless channel you are connected to (Wireless mode only).

The screenshot shows the Network Settings interface. At the top, there are two radio buttons for 'IP Address Mode': 'Static' and 'DHCP'. Below these are five input fields: 'IP Address' (192.168.0.242), 'Subnet Mask' (255.255.255.0), 'Default Gateway' (192.168.0.1), 'DNS Server 1' (0.0.0.0), and 'DNS Server 2' (0.0.0.0). At the bottom right are 'OK' and 'Back' buttons. Below the input fields is a 'Current Settings:' section with a table summarizing the current configuration.

| Current Settings: | | | |
|-------------------|---------------|----------|-------------|
| IP Address Mode: | DHCP | DNS 1: | 192.168.0.1 |
| IP Address: | 192.168.0.192 | DNS 2: | 192.168.0.1 |
| Subnet Mask: | 255.255.255.0 | SSID: | test002 |
| Default Gateway: | 192.168.0.1 | Channel: | 11 |

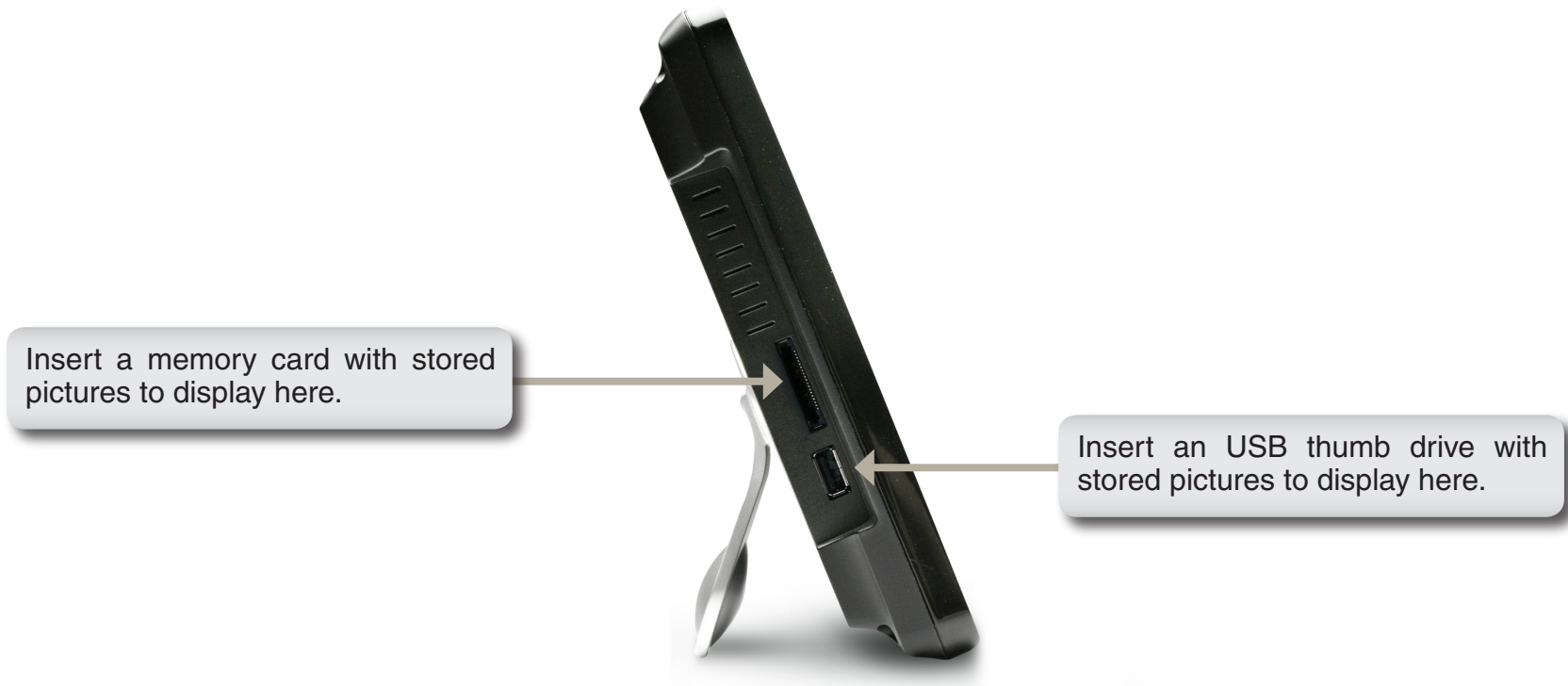
Viewing Pictures

Your DSM-210 can display your pictures from its internal memory and external sources such as USB thumb drives, memory cards, media servers, and Internet services such as FrameChannel.

Insert External Memory Card

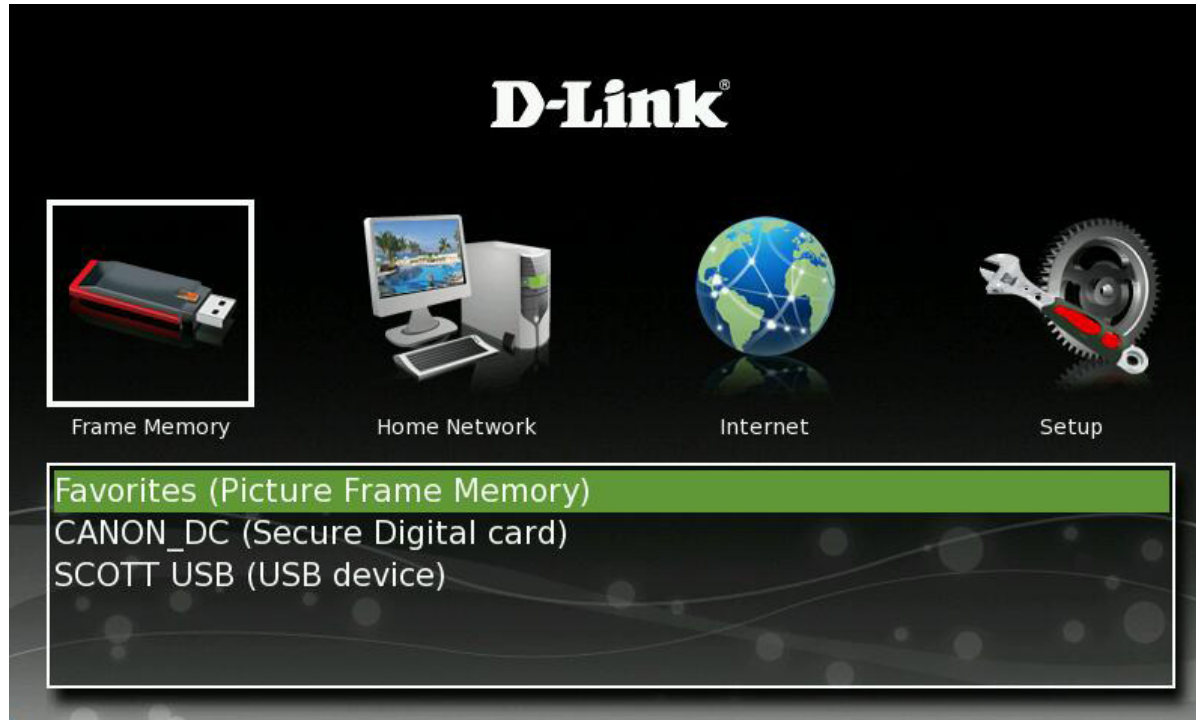
To view or copy images to the internal memory from a memory card or USB thumb drive, simply insert your USB thumb drive into the USB port and/or insert your memory card into the memory card slot located on the left side of the frame.

The DSM-210 supports Secure Digital (SD), Secure Digital High Capacity (SDHC), MultiMedia Card (MMC), and Memory Stick.



Select from Storage

To view images from the internal memory, USB thumb drive, or memory card, highlight the **Frame Memory** icon. A list of available sources will be displayed. Select a source and press **OK**.



Select the image or folder that contains the images you want to display on your frame and press **OK**.

Thumbnails of all the available images will appear. Select an image and press **OK**. This will start the slideshow and will display all images in the selected folder.



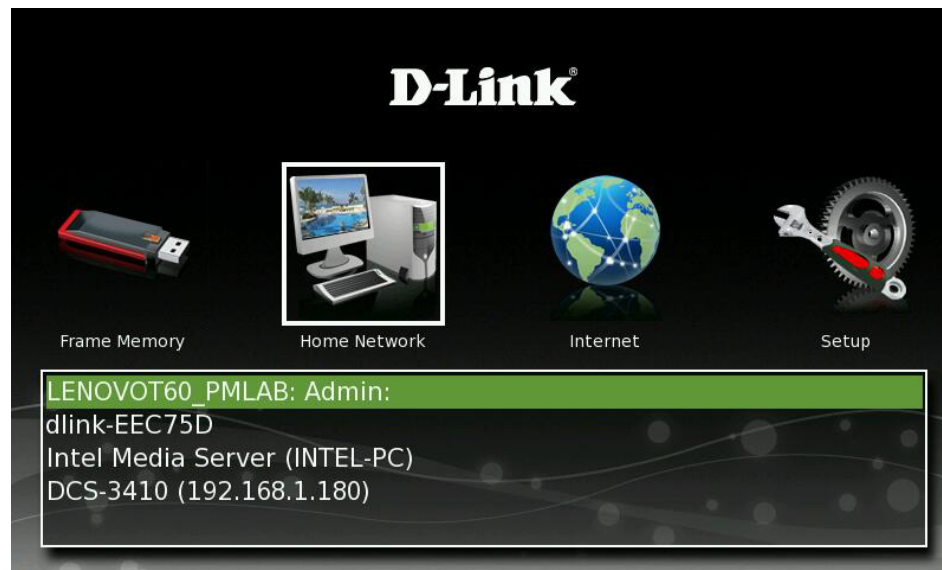
During the slideshow, press **Menu** to set the transition type (page 34) and scaling type (page 35). If you are viewing from a memory card or USB thumb drive, there will be a **Save to Favorites** option. This will copy the image to the DSM-210's internal memory.

During the slideshow, you can pause and navigate using the touch buttons on the lower-front of the frame.

Select from Media Server

If you have any UPnP-AV servers, such as a PC running Windows Media Player 11* or a Network Attached Storage (NAS) device on your network, you may select the shared photos to be displayed on your DSM-210.

Select the **Home Network** icon and a list of available Media Servers will be listed. Select the server you want to connect to and press **OK**.



* Windows Media Player 11 is available on Windows Vista® or for download on Windows® XP (service pack 2) from Windows Update.

All shared content will appear. Select the pictures you want to display on your DSM-210.



During the slideshow, press **Menu** to set the transition type and scaling type. There will also be a **Save to Favorites** option. This will copy the image to the DSM-210's internal memory.

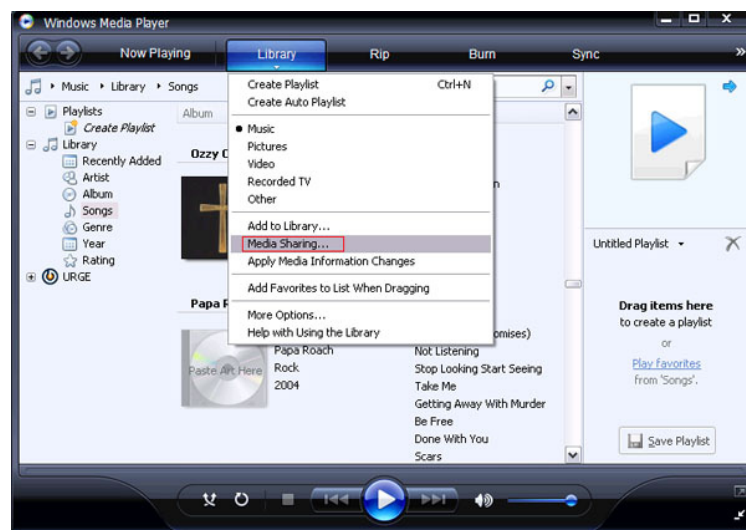
During the slideshow, you can pause and navigate using the touch buttons on the lower-front of the frame.

Windows® Media Player 11 Setup

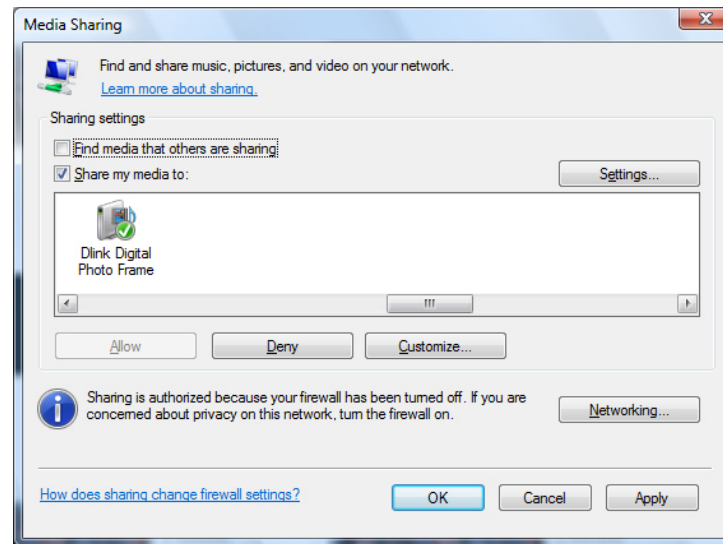
To share photo files from your computer, it is necessary to have Windows® Media Player 11 or another UPnP™ AV media server software on the PC. Windows® Media Player 11 software allows you to share your PC's photo files with your DSM-210. Windows® Media Player 11 software then streams the photos to your DSM-210 via your wired/wireless network connection.

Note: 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.

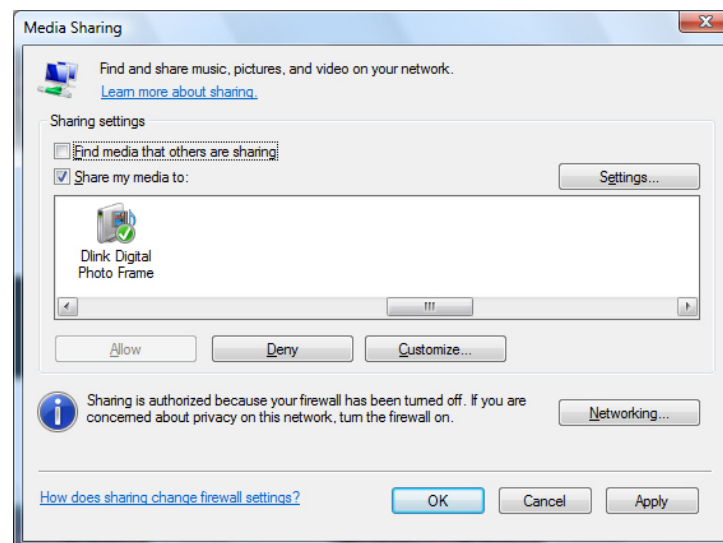
In order to share photos to your DSM-210 using Windows® Media Player 11, you must first allow your DSM-210 access in the software. Launch Media Player 11 and click the down arrow under **Library** and select **Media Sharing**.



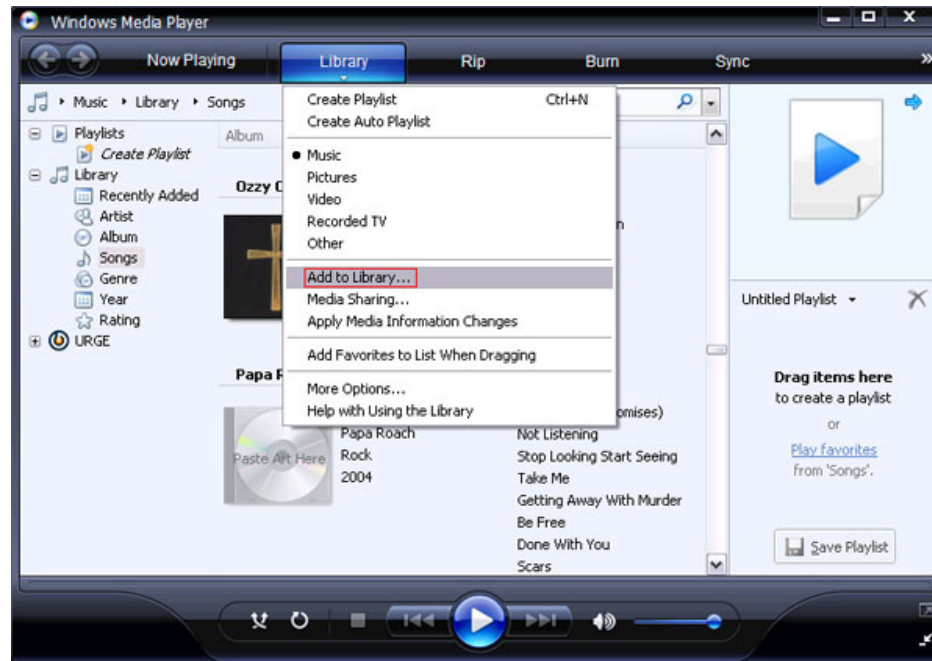
Click the **Share my media to:** check box. Select your **D-Link DSM-210 Digital Photo Frame** from the *Media Sharing* box and then click the **Allow** button.



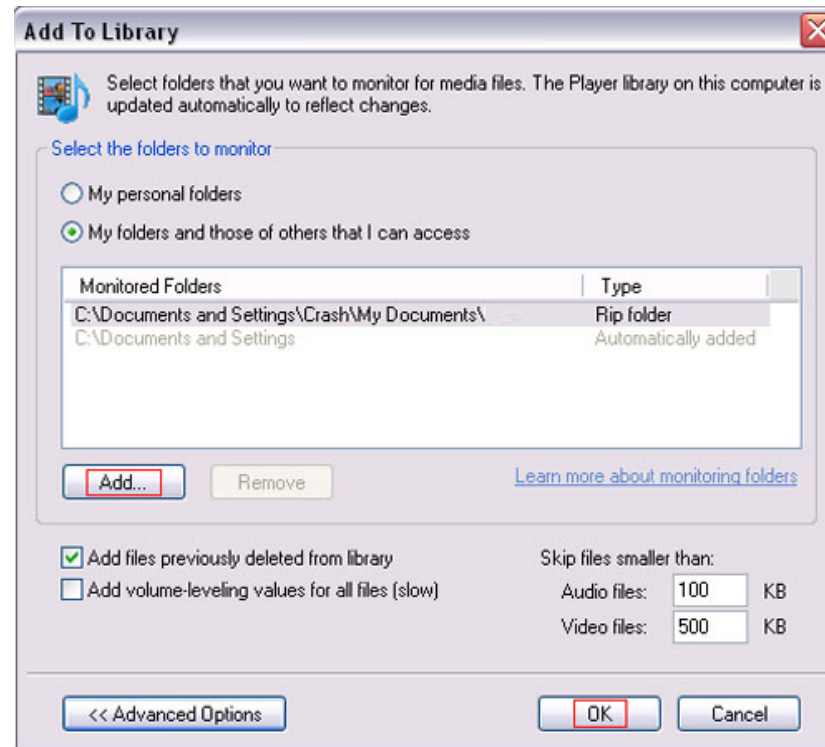
Your device will now have a green check mark. Click **Apply** and then click **OK**.



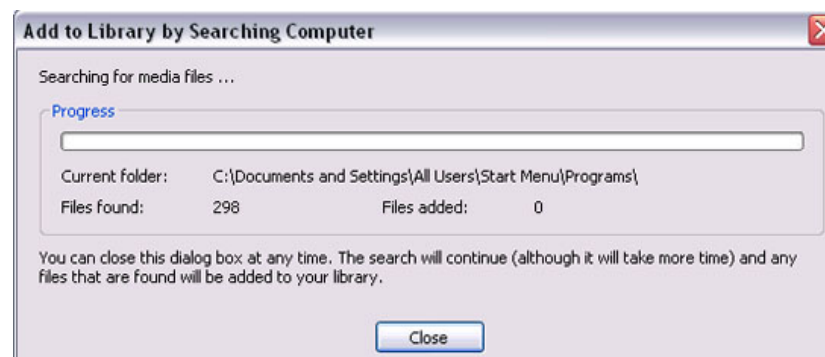
Now you need to add the folders containing photos you want shared with your DSM-210. Click on **Library** and then click on **Add to Library**.



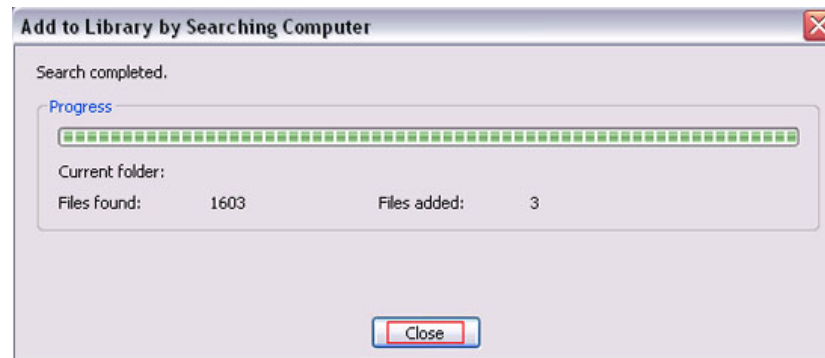
Click the **Advanced Options** button in the bottom left-hand corner. Click **Add** and choose the folders with media you wish to be shared. If you have folders in other areas of your hard drive or on other drives in your PC or network, you will need to select the **Add** button and select each folder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



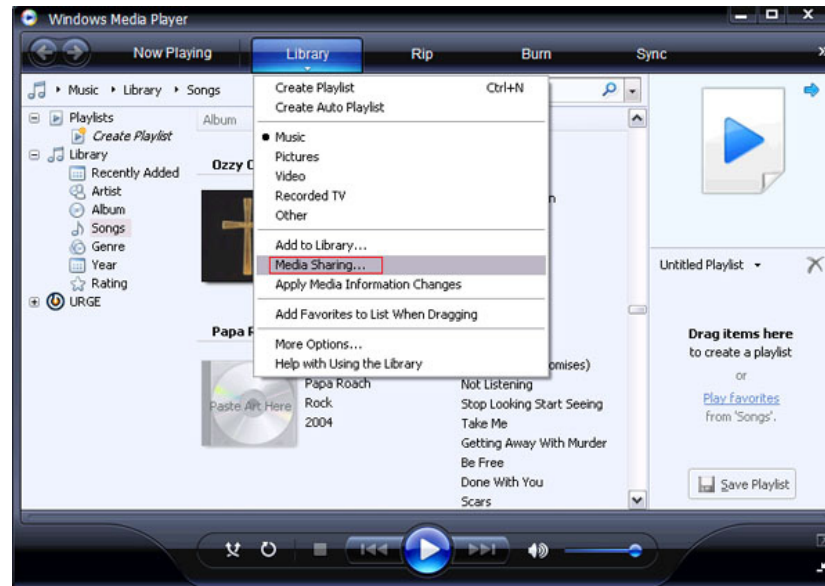
Click **Close** and you are ready to use Windows® Media Player 11 as your server.



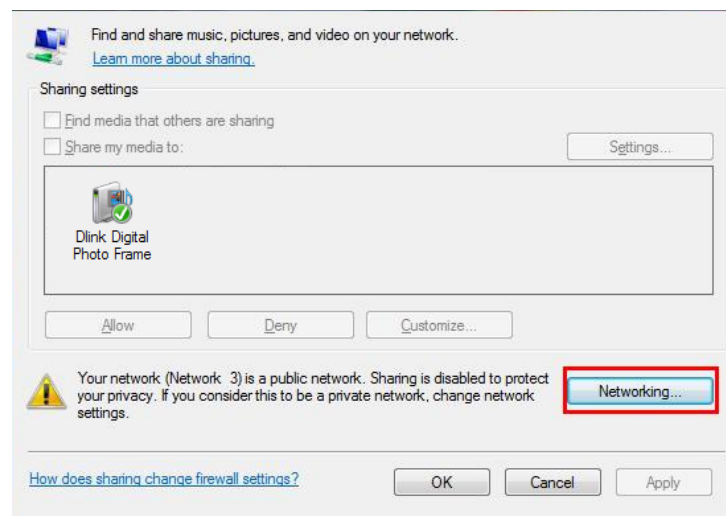
Now you can find the server from the **Home Network** screen on your frame and begin viewing photos.

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**.



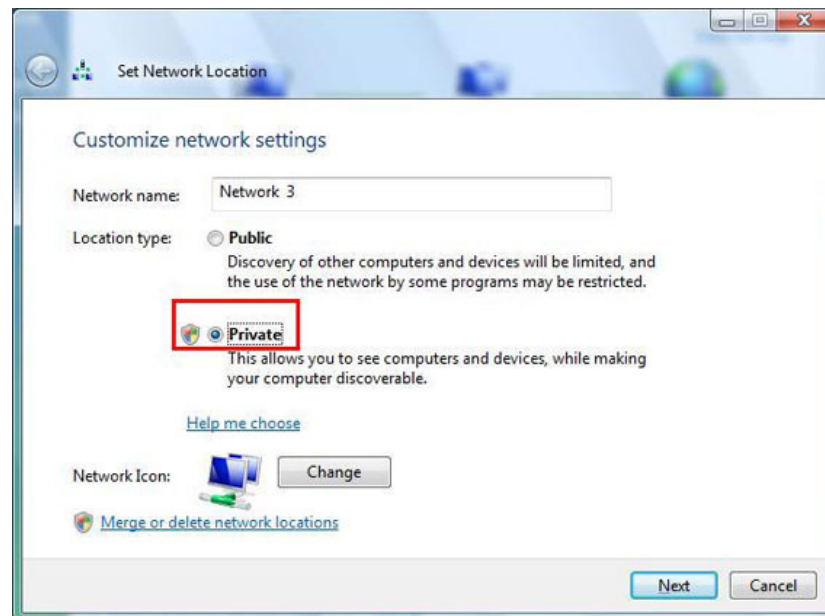
Click the **Networking** button.



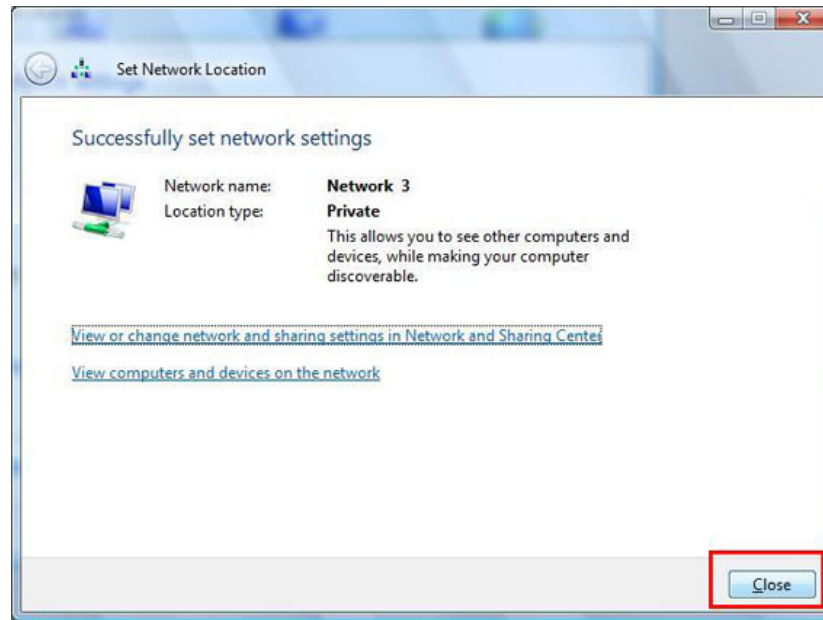
Click the **Customize** button.



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



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



FrameChannel

Our featured DSM-210 online site, FrameChannel (<http://dlink.framechannel.com>), is a free service that allows you to add, create and manage online channels for your personalized content after you have signed up an account online. FrameChannel also allows you to set up your frame to incorporate images from popular photo sharing websites, such as Facebook, Flickr, Picasa, and more. Your frame will automatically update when changes are made to any of your photo sharing sites.

Your DSM-210 will display the instructions to setup a FrameChannel account. On the DSM-210 select **Internet > Online Content** and then press **OK**. For more details, follow the steps below:

1. Using the web browser on your PC, enter **<http://dlink.framechannel.com>**
2. Click **Get Started Now**
3. Enter the Activation Code displayed to activate your frame.

Note: Your activation code can be found after you have selected **Internet > Online Content** on your frame.

Click **Save & Continue** to proceed.

The screenshot shows a web browser window titled "Sign Up for a FrameChannel Account". It displays a four-step process. Step 1, "Activate your frame", is the active step. It contains instructions: "Enter the activation code displayed on your wireless frame. The activation code will be displayed once you connect your frame to your wireless router and select 'Internet Content' from the main menu. You may skip this step now and activate the frame later by logging into your FrameChannel account." Below the text is a text input field labeled "Code:". At the bottom right of the step are two orange buttons: "Skip this step" and "Save & Continue". Below Step 1 are three other steps, each in a collapsed box: "Step 2 - Account information", "Step 3 - Where's your frame?", and "Step 4 - Invite friends to publish on your frame".

Sign Up for a FrameChannel Account

Step 1 - Activate your frame

Enter the activation code displayed on your wireless frame. The activation code will be displayed once you connect your frame to your wireless router and select 'Internet Content' from the main menu. You may skip this step now and activate the frame later by logging into your FrameChannel account.

Code:

[Skip this step](#) [Save & Continue](#)

Step 2 - Account information

Step 3 - Where's your frame?

Step 4 - Invite friends to publish on your frame

4. Enter your account information. Read and check the checkbox to agree to the FrameChannel's terms of service.

Note: *It is recommended to note down all your account information for future log-on purposes.*

Click **Save & Continue** to proceed.

The screenshot shows the 'Sign Up for a FrameChannel Account' form, specifically Step 2: Account information. The form is titled 'Sign Up for a FrameChannel Account' and has two steps: Step 1 - Activate your frame and Step 2 - Account information. Step 2 is the active step. It contains the following fields: First Name*, Last Name*, Email*, Username*, Password*, and Confirm Password*. Below these fields is a checkbox labeled 'I agree to the FrameChannel Terms of Service'. At the bottom right is a button labeled 'Save & Continue'.

5. Enter the remaining information for your account and click **Save & Continue** to proceed.

The screenshot shows the 'Sign Up for a FrameChannel Account' form, specifically Step 3: Where's your frame?. The form is titled 'Sign Up for a FrameChannel Account' and has four steps: Step 1 - Activate your frame, Step 2 - Account information, Step 3 - Where's your frame?, and Step 4 - Invite friends to publish on your frame. Step 3 is the active step. It contains the following fields: Your Country: (dropdown menu showing 'United States'), Your Nearest City: (dropdown menu showing '-- Select City --'), 5 Digit Zip: (text input field), and Room your frame will be in: (dropdown menu showing '-- Select Room --'). Below the 5 Digit Zip field is a note: 'Used for some local channels, such as weather.' At the bottom right are two buttons: 'Skip this step' and 'Save & Continue'.

6. You may invite your friends to join or click **I'm done!** to enjoy your FrameChannel experience.

Sign Up for a FrameChannel Account

Step 1 - Activate your frame

Step 2 - Account information

Step 3 - Where's your frame?

Step 4 - Invite friends to publish on your frame

Optional: Invite friends and family members to send photos directly to your FrameChannel account

Email:

Email:

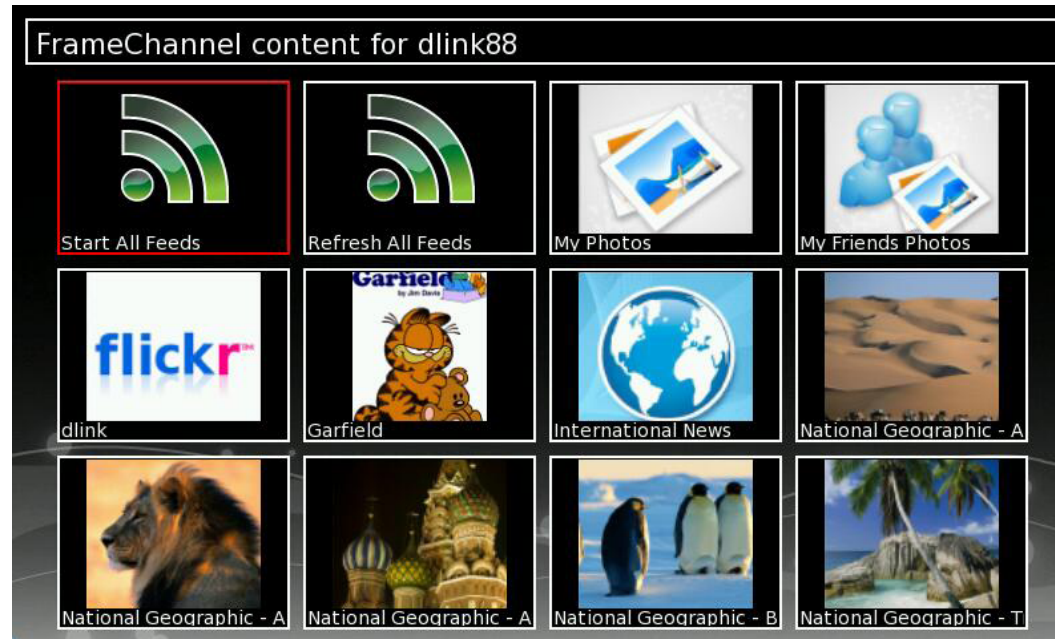
Email:

Email:

I'm done!

7. From your DSM-210 Digital Photo Frame, refresh the **Online Content** by pressing **OK** on your remote. You will be able to see all the created channels on your frame.

Once your account is active, you can select what channels you want to display on your frame.



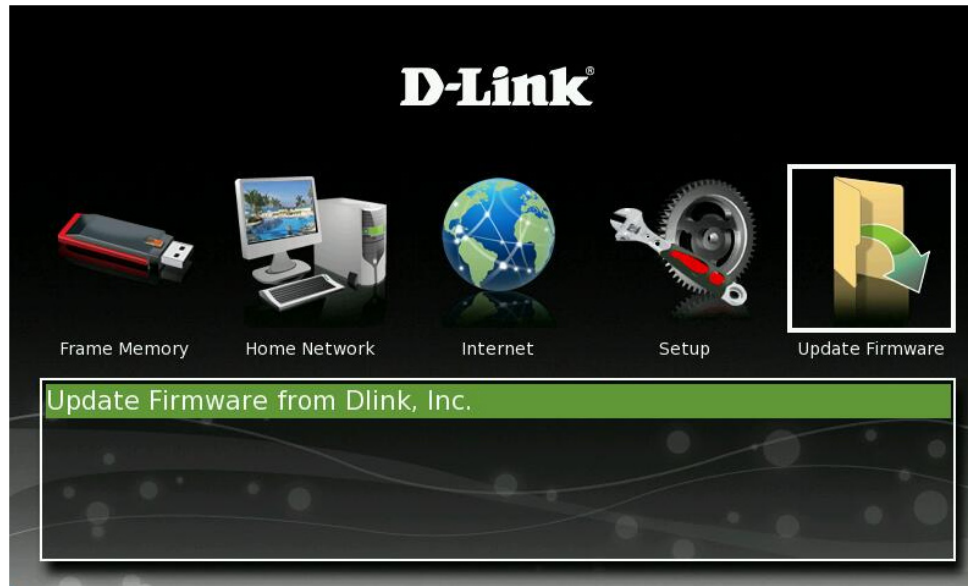
During the slideshow, press **Menu** to set the transition type and scaling type. There will be a **Save to Favorites** option. This will copy the image to the DSM-210's internal memory.

During the slideshow, you can pause and navigate using the touch buttons on the lower-front of the frame.

Other Features

Upgrade Firmware

Your frame must be connected to the Internet to perform an upgrade. When connected, the DSM-210 will automatically notify you if a firmware upgrade is available. If there is an upgrade available, the **Upgrade Firmware** icon will be displayed. Select the icon and press **OK** to upgrade the firmware. This process may take several minutes and your network traffic may affect the speed of processing.



Transition Types

When viewing images you can change the transition type. Transition types are animations that are displayed when a picture changes to the next picture during a slide show. While in a slide show, press **Menu**, select **Set Transition**, and then press **OK**.



A list of transitions will appear. Select a type and press **Enter**.



Set Scaling

While in a slide show, press **Menu**, select **Set Scaling**, and then press **OK**. You can change how the picture fits on your frame.



Select **Scale with no Cropping**, **Stretch to fill Screen**, or **Crop to fill Screen**.



Reset to Factory Defaults

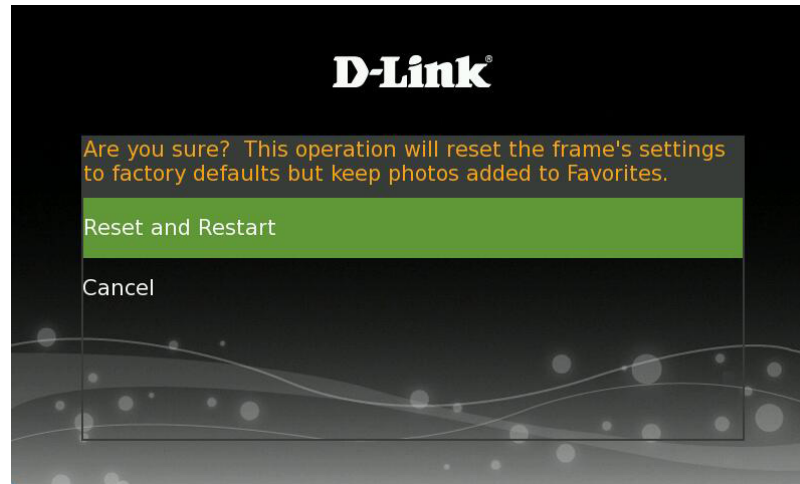
Select the **Setup** icon and then select **Reset to Factory Defaults**.



Select which option you want and then press **OK**.

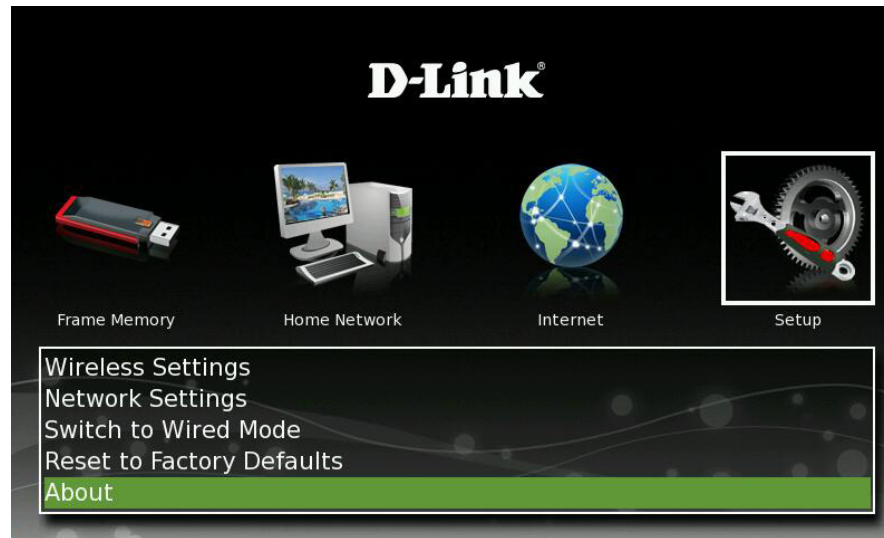


Select **Reset and Restart** and then press **OK** to confirm your decision.



About

Select the **Setup** icon and then select **About**. This will display the information about your frame including the current version of firmware that is installed.



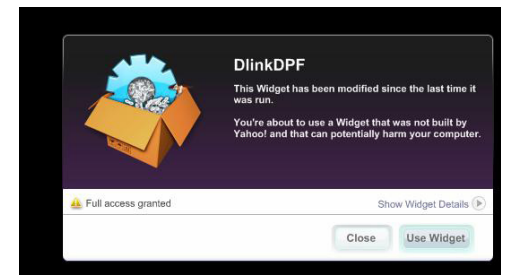
D-Link Widget

D-Link offers a Widget to use with your DSM-210 frame. A Widget is a small interactive software application loaded on your desktop that will provide visual information to commonly used functions such as calendars, clocks, and stock tickers.

Note: The D-Link Widget requires Yahoo! Widget, which is the Widget engine, to be installed on your PC.

To install the D-Link Widget, follow the steps below:

1. Insert the DSM-210 CD into your computer. When the autorun screen appears, select **Install Yahoo! Widget**.
2. If you do not have Yahoo! Widget installed, click **Install Yahoo! Widget Engine**. This will take you to the Yahoo website to download Yahoo! Widget. Once complete, continue with step 3.
3. Click **D-Link DSM-210 Widget** to install the D-Link Widget.
4. Select **Open**. The Widget will be installed to your computer.
5. Click **Use Widget** on the pop-up window that asks you to grant full access to the widget.
6. Once installed the Widget will appear. Click the Widget to launch.

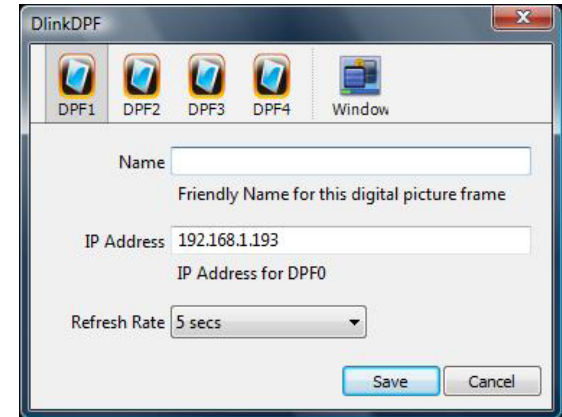


The Widget will appear. To add your D-Link picture frame, right-click one of the four available frames and select **Widget Preferences...**



Select one of the available thumbnails (such as DPF1).

1. Enter a name for the frame.
2. Enter the IP Address of the frame (for the IP address of your frame, refer to page 15 - *Network Settings*).
3. Select the refresh rate (**5, 10, 15, 30 seconds** or **1 minute**).
4. Click **Save** to save your settings.



Your Widget should now be connected to your frame, streamed the photos from your frame, and played the slideshow.

You may now add photos from your computer to the DSM-210's internal memory by dragging and dropping the photos into the widget.



Product Specifications

STANDARDS

- 802.11g
- 802.3u
- TCP/IP
- USB 2.0

SCREEN SPECIFICATIONS

- 10" TFT LCD
- 16:9 Format
- 800 x 480 Resolution
- 300 cd/m2 Brightness

DEVICE INTERFACE

- 1 10/100 LAN Port
- 1 USB 2.0 Port
- Flash Memory Card Reader

BUILT-IN MEMORY

- 1GB

SUPPORTED MEMORY FORMATS

- SD (Secure Digital)
- SDHC
- MMC (Multimedia Card)
- Memory Stick

SUPPORTED PHOTO FORMAT

- JPEG

NETWORK

- Wireless: 802.11b/g
- Wired LAN: 10/100Mbps Ethernet

WIRELESS SECURITY

- Wi-Fi® Protected Setup (WPS)
- WPA™ and WPA2™

TEMPERATURE

- Operating: 32°F to 104°F (0°C to 40°C)
- Storage: 32°F to 149°F (0°C to 65°C)

DIMENSIONS

- Item (WxDxH): 8" x 12" x 1.3"

WEIGHT

- Item: 1.3lbs

WARRANTY

1-Year Limited*

* 1-Year Limited Warranty available only in the USA and Canada.