



User Manual

SharePort Go II

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	18 October, 2013	Initial release for Revision A1

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Package Contents



DIR-508L SharePort Go II



Quick Installation Guide



Micro USB Power Adapter



D-Link Cloud Service Mobile Apps Guide

If any of the above items are missing, please contact your reseller.

Note: Using a power supply with a different voltage rating than the one included with the DIR-508L will cause damage and void the warranty for this product.

System Requirements

Network Requirements	Cable/DSL modem, 3G/4G USB adapter, or a hotspot IEEE 802.11bgn wireless clients	
Web-based Configuration Utility Requirements	 A computer or mobile device with the following: Windows®, Macintosh®, Linux-based, iOS, or Android™ operating system An installed Wi-Fi adapter Browser Requirements: Internet Explorer® 8 or higher 	
	 Firefox® 12.0 or higher Safari® 4 or higher Chrome™ 20 or higher Windows® Users: Make sure you have the latest version of Java installed. Visit www.java.com to download the latest version. 	
mydlink SharePort Requirements	 iPhone®/iPad®/iPod touch® (iOS 5.0 or higher) Android™ device (2.3.3 or higher) 	
SharePort Mobile	• Windows® 8/RT device	

Introduction

The D-Link DIR-508L SharePort Go II lets you create a secure wireless network to share photos, files, music, and video on the go. Connect the router to a cable or DSL modem and share your high-speed Internet access with everyone on the network. Even when you are away from home, connect to a Wi-Fi hotspot to share your Internet access with your friends securely. Directly attaching a 3G/4G USB adapter allows sharing of a mobile broadband connection on the go. For convergence and convenience, the DIR-508L also supports UPnP and DLNA protocols for easy sharing of media to other certified devices. With the mydlink SharePort and SharePort Mobile apps, your iOS, Android, and Windows 8/RT devices can easily access files and stream media either remotely or locally from storage attached to the DIR-508L.

The DIR-508L provides fast Wireless N 300 technology and supports all of the latest wireless security features to prevent unauthorized access; no matter if you are connected to the Internet via a wired or wireless connection. Support for WPA2 standards ensure that you'll be able to use the best possible encryption method, regardless of your client devices. WPS 2.0 Wi-Fi Protected Setup allows for easy and secure wireless connections and a Guest Zone feature provides a separate subnet for guests to access Internet without the privilege to access the administration UI. In addition, this router allows VPN passthrough via PPTP, L2TP, or IPSec for secure tunnel connections.

To round out this complete all-in-one mobile solution, the DIR-508L can charge mobile devices such as phones, tablets, and other devices via its universal USB port. This feature offers convenience and peace of mind when your devices are low on battery or when you've forgotten to bring along your devices' chargers on your travels.

Features

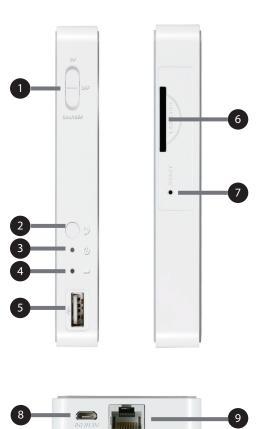
- Access the Internet The DIR-508L SharePort Go II allows you to connect all of your wireless devices to the Internet via wired Broadband, 3G/4G, or wireless hotspot.
- Multimedia On-The-Go The DIR-508L is designed to be the hub for all of your mobile needs with the following features:
 - **USB and SD card Interfaces** Easily store and share music, videos, photos, and files on USB drives and SD cards.
 - **UPnP and DLNA Support**¹ Compliant with the latest DLNA certification requirements, the DIR-508L can stream many compatible media formats to other DLNA devices wirelessly.
 - mydlink SharePort app Stream, upload, and download your media locally or remotely through the Internet to your iPhone®, iPad®, or Android™ device.
 - **Built-in Charger**² A 4000 mAh lithium-ion internal battery with Over Current Protection (OCP), Over Voltage Protection (OVP), Over Temperature Protection (OTP), and Short Circuit Protection (SCP) lets you charge your mobile devices on-the-go.
- **Faster Wireless Networking** The DIR-508L provides an up to 300 Mbps³ wireless connection with other 802.11n wireless clients. This capability allows users to participate in real-time activities online, such as video streaming, audio playback, and online gaming.
- **Compatible with 802.11g and 802.11b Devices** The DIR-508L is still fully backward-compatible with the IEEE 802.11g and 802.11b standards, so it can connect with existing devices using either standard.

¹DLNA support will be available in a future firmware update.

²Actual usable capacity may vary depending on charging conditions.

³Maximum wireless signal rate derived from IEEE Standard 802.11n and 802.11g 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. Environmental conditions will adversely affect wireless signal range.

Hardware Overview



1	ON/OFF/CHARGER Switch	Slide the switch to ON to operate the unit in router modes. Slide the switch to CHARGER to charge devices connected via USB.	
2	WPS Button	Press the WPS button to automatically connect additional devices to the unit securely.	
3	Power/Status LED	Green (Solid)	The device is connected and working properly.
		Green (Blinking)	The device is currently connecting via WPS.
		Orange (Solid)	The device is booting or resetting.
		Orange (Blinking)	The device cannot connect to the Internet or is in recovery mode.
		Red (Solid)	The system is defective.
		Off	The device is turned off or in charging mode.
	Battery LED	Green (Solid)	Battery capacity is 80% or more.
		Orange (Solid)	Battery capacity is between 15% and 80%.
4		Red (Solid)	Battery capacity is 15% or less.
		Red (Blinking)	Battery is defective.
		Off	Charging is complete (connected to power adapter) or the device is out of battery.
5	USB Port	Connect a 3G/4G USB adapter to use Mobile Router Mode to share your Internet broadband. Connect a USB storage device to share locally using mydlink SharePort, SharePort Mobile, and SharePort Web Access.	
6	SD Card Slot	Insert a Secure Digital card to stream media or share files wirelessly.	
7	Reset Button	Pressing the Reset button restores the DIR-508L to its original factory default settings.	
8	Power Receptor (Micro USB)	Connect the included power adapter to power and charge the unit.	
9	INTERNET Port	Connect an Ethernet cable to a cable or DSL modem to use Broadband Router Mode.	

Installation Wireless Installation Considerations

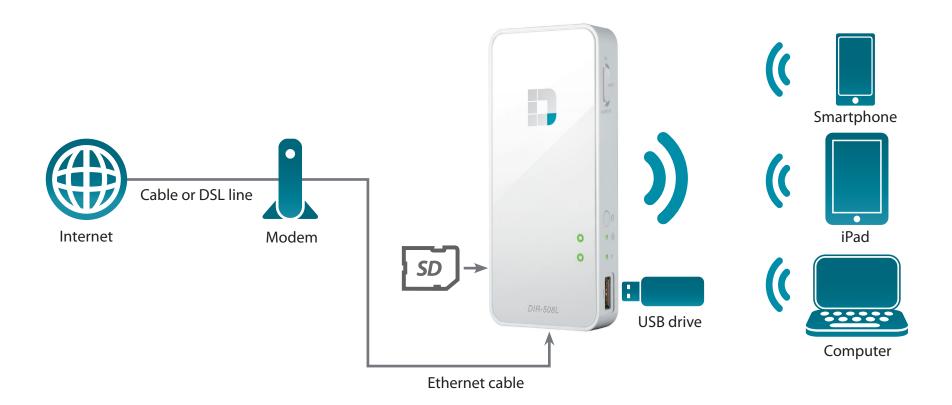
The D-Link wireless router lets you access your network using a wireless connection from virtually anywhere within the operating range of your wireless network. Keep in mind, however, that the number, thickness and location of walls, ceilings, or other objects that the wireless signals must pass through, 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. Keep the number of walls and ceilings between the D-Link router and other network devices to a minimum each wall or ceiling can reduce your adapter's range 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.
- 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 in not in use.

Connection Diagrams Broadband Router Setup

In the Broadband Router Mode, the DIR-508L connects to your cable modem, DSL modem, or other Internet source via an Ethernet cable and wirelessly shares your Internet connection with other devices, providing Internet access for an entire home, office, or hotel room. You can then connect an SD card and/or a USB drive to share files with these devices on your wireless network by using the SharePort feature.

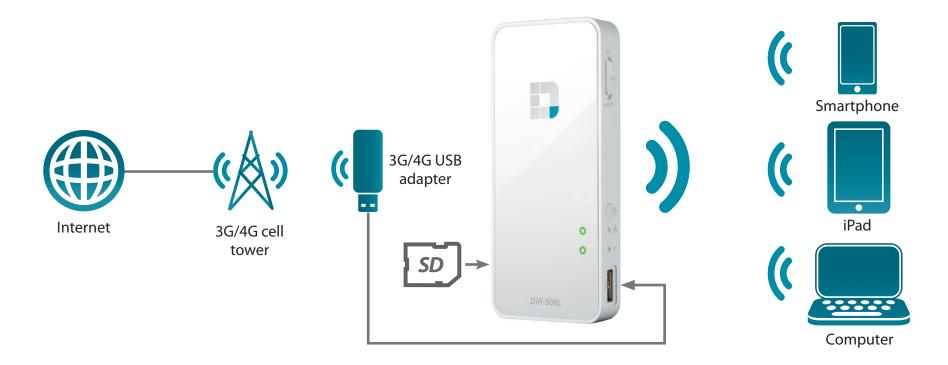
Note: To ensure performance when using SharePort, it is highly suggested to limit this application to 5 simultaneous users.



Mobile Router Setup

Mobile Router Mode allows you to share your 3G/4G Internet connection with other devices through your own wireless network. You will need a compatible 3G/4G USB adapter and you need to be within your ISP's cellular coverage. You can also share files stored on an inserted SD card with other devices on your wireless network through the SharePort feature. In the Mobile Router Mode, you must have a compatible 3G/4G USB adapter and be within your ISP's satellite coverage. Once connected, you can then wirelessly share your Internet connection with other devices on the go. You can also share files with these devices on your wireless network by inserting an SD card and using the SharePort feature.

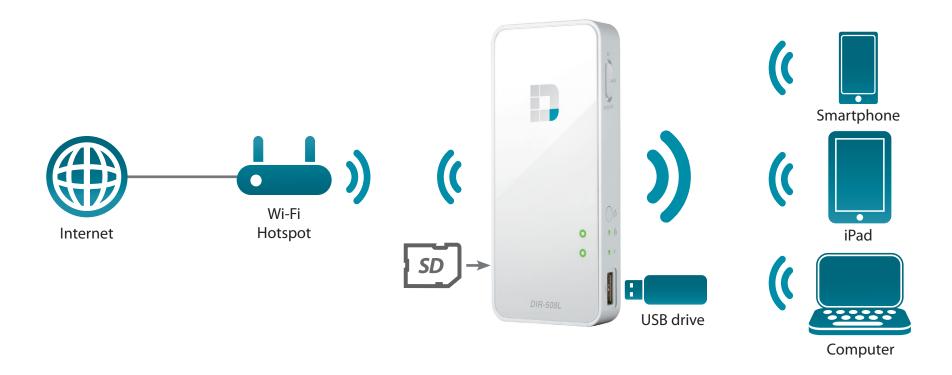
Note: Please check your local D-Link website for more information on compatible 3G/4G USB adapters.



Wi-Fi Hotspot Setup

You can set up your DIR-508L to share a hotspot (for example, at a cafe) wirelessly with other devices. In the Wi-Fi Hotspot Mode, the DIR-508L connects wirelessly to another wireless network and then wirelessly shares your Internet connection with other devices. You must have the username and password for the access point you are connecting the DIR-508L to.

Note: In public environments, it is highly recommended to password protect the shared Internet connection on the DIR-508L.



LAN Sharing Setup

Even without Internet broadband access, you can connect other Wi-Fi devices wirelessly to the DIR-508L by creating a private network anywhere. You can then connect a USB drive or an SD card to locally share files with these devices on your wireless network via the SharePort feature.

Note: In public environments, it is highly recommended to password protect the private LAN on the DIR-508L.



Setting Up Your DIR-508L

 Peel off the protective film from the top and bottom of the device.



 Charge the device by connecting one end of the power adapter to the DIR-508L and the other end to a wall outlet. Charge the device for at least 4 hours or until the battery LED indicator is solid green or off.

Note: For more information on charging the device and the battery LED indicator, refer to "Hardware Overview" on page 5.

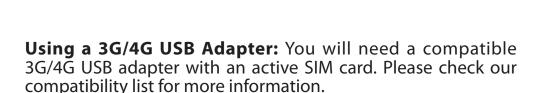


Connecting Your Equipment

Depending on your equipment, the DIR-508L can be set up easily from any device with Wi-Fi and a web browser.

Using Broadband Ethernet: You will need an Ethernet cable connection to your cable or DSL modem.

• Connect one end of an Ethernet cable to your modem and the other end to the Internet port on the DIR-508L.



 Plug the 3G/4G USB adapter into the USB port on the DIR-508L.





Connecting to a Wi-Fi Hotspot: You will need the Wi-Fi network name and password of the hotspot you want to connect to.



Connecting to Your DIR-508L

To configure the router, you will need to connect to the DIR-508L wirelessly from your mobile device or computer.

- Turn on DIR-508L by sliding the ON/OFF/CHARGER switch to ON.
- On your computer or mobile device, connect to the DIR-508L's wireless network. By default, the settings are:
 - Wi-Fi Network Name (SSID): DIR508L
 - Password: (leave this blank)

- Once connected, open a web browser on your mobile or computer and type http://dlinkrouter.local. or http://dlinkrouter in the URL address box.
- At the login page, enter the Admin Password. By default, it should be left blank. Click **Log In**.

Note: If you have a device that supports Wi-Fi Protected Setup, please refer to "WPS Button" on page 107.

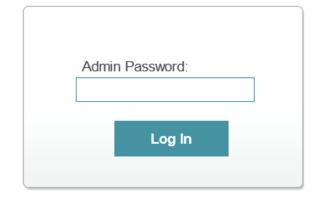




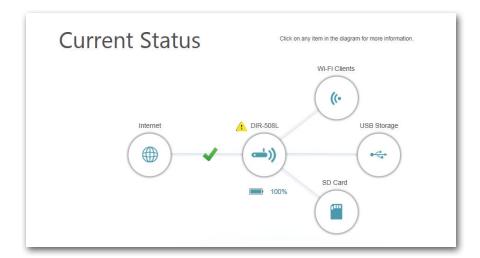
Mobile

Desktop



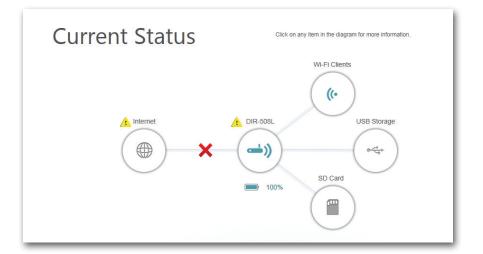


After logging in, you will see the Current Status page. If the Internet icon ⊕ is blue and there is a ✓ mark, you are already connected to the Internet and the device is ready for use!



If the Internet icon \oplus is grey and there is an \wedge icon, please refer to :

- "xDSL Broadband (PPPoE)" on page 89 if you are using an xDSL modem.
- "3G/4G Wireless USB" on page 90 if you are using a 3G/4G USB adapter.
- "Wi-Fi Hotspot Client" on page 91 if you are connecting to a Wi-Fi hotspot.



Sharing Files Using the mydlink SharePort app for iPad®, iPhone®, and iPod touch®

The mydlink SharePort app is a streamlined mobile application that allows you to conveniently stream media and share files stored on a removable storage connected to your router. Once the router is set up, you can start the app and easily connect from a local network or through the Internet to access your photos, videos, music, and documents. It allows you to create your own personal cloud storage; you can upload files and photos from your mobile device to the removable storage via the app from anywhere in the world!

Note: In order to ensure smooth streaming performance, you will need a minimum of 2 Mbit/s upload bandwidth for your router's Internet connection. Streaming performance will vary depending on the quality of your Internet connection.

1. If you are connecting remotely through the mydlink SharePort app from the Internet, you will need a **mydlink** account. Please refer to "mydlink" on page 100 for more details.



2. Make sure the device is powered on. Then plug your USB storage drive into the USB port of the device.

Note: If you connect a removable storage with many files or a large capacity, it may take a while for the router to scan and catalog your files.



3. Use your iPhone, iPad, or iPod touch to search for and download the free **mydlink SharePort** app from the App Store.

If you have a QR code reader, you can scan the code for **mydlink SharePort** to the right.





- 4. On your mobile device, go to your Wi-Fi settings and connect to your router's wireless network using the default Wi-Fi settings. By default, your wireless network details are:
 - Wi-Fi Network Name (SSID): DIR508L
 - Password: (leave this blank)



- 5. Once connected, tap the mydlink SharePort icon, and the app will load.
- 6. At the login page, tap to select between a local access or remote access connection. If you are unsure, tap Help? to see descriptions of the two types of connections.

Local Access:

Local mode will connect you to storage on your current network. For example, if you are at home connecting to your router, choose this mode.

Remote Access:

Remote mode will connect you to storage on your router in a different location. For example, you are at your office connecting to your router at home.

If you are directly connected to the DIR-508L's wireless network, tap Local Access and enter the Admin Password of your router, then tap **Log In.**

If you are connecting through the Internet tap Remote Access and enter your mydlink login information, then tap Log In. Tap on your router on the devices page that appears. You can now share your files.

After logging in, select your router from the device list.













7. You can now use the mydlink SharePort app interface to stream media and access files stored on your removable drive.

The wireless icon at the bottom will be lit blue to indicate a Local Access connection. It will be green to indicate you are connected to the router through Remote Access.

Note: If you see a red wireless icon, your router's network environment may not be suitable for a direct network connection and you may experience slow network speeds.



Main Menu

The mydlink SharePort main menu has different sections that let you see all the documents, photos, movies, or music stored on your removable storage. Tap < or >, or swipe left or right to move between the different sections. The Wi-Fi icon at the bottom indicates an active local network connection (blue) or remote connection (green/red). Tap **Log In** if it is not lit, or **Log Out** to return to the login page.



Tap on the document icon to view documents.



Tap the camera icon to view photos.



Tap on the movie icon to play videos.



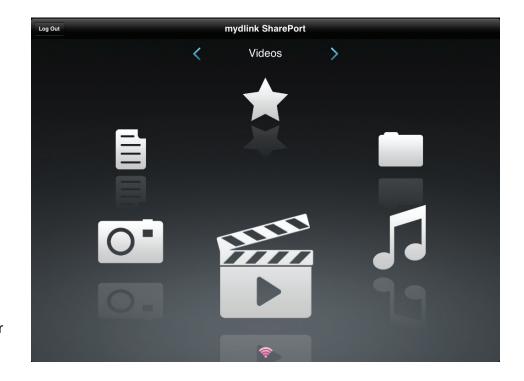
Tap on the music icon to play audio files.



Tap on the folder icon to browse all files in a folder view.



Tap on the star icon to access your favorite files.



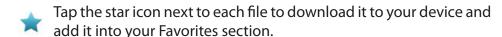
Documents

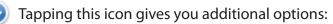
The Documents section allows you to share, print, and view documents streamed from your DIR-508L to your mobile device. Tap the document icon on the main menu to browse the documents on your mobile device.



Search Bar: Enter a filename here to search your storage.







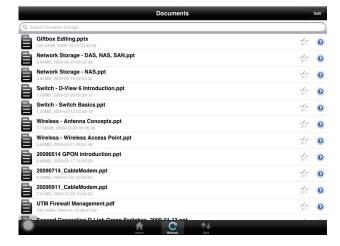
- Mail: Tap to e-mail the file.
- iCloud: Tap to store the file on iCloud.
- AirPrint: Tap to print the file.
- Open In...: Tap to use a third-party app to open the file.

The bottom menu bar includes these options:



Tap to update the list of files.

Tap to reorder the files alphabetically.



Tap on a file to start the document viewer. In the viewer:

Tap to add/remove the file from your Favorites.

Tap to bring up the same options as >.

Note: Some files may require a third-party app to view them.



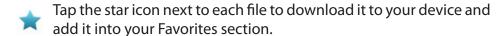
Pictures

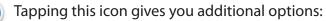
The Pictures section allows you to stream images from your DIR-508L to your mobile device. Tap the camera icon on the main menu to browse your photo collection on your removable storage.



Search Bar: Enter a filename here to search your storage.







- Mail: Tap to e-mail the image.
- iCloud: Tap to store the image on iCloud.
- AirPrint: Tap to print the image.
- Facebook: Tap to upload the image to your Facebook account.
- Twitter: Tap to upload the image to your Twitter account.
- Open In...: Tap to use a third-party app to open the file.

The bottom menu bar includes these options:

- Tap to go back to the main menu.
- Tap to start a slideshow of your photos. Tap the screen again to bring up the menu.
- Tap to update the list of files.
- Tap to reorder the files alphabetically.



Tap on a file to start the photo viewer. In the viewer:

- Tap to add/remove the current image from your Favorites.
- ► Tap to start the slideshow.
- Tap to bring up the same options as >.



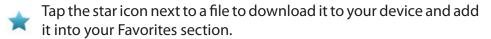
Videos

The Videos section allows you to stream video clips and movies from your DIR-508L to your mobile device. Tap the movie icon on the main menu to browse your videos on your removable storage.



Search Bar: Enter a filename here to search for a specific file.







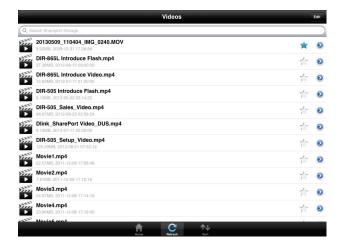
- Mail: Lets you e-mail the file.
- iCloud: Lets you store the file on iCloud.
- Open In...: Lets you use a third-party app to open the file.

The bottom menu bar includes these options:



C Tap to update the list of files.

Tap to reorder the files alphabetically.



Tap on a file to start playing it. In the player:

- Tap to play/pause the video. You can scroll to any time on the time line by holding and sliding your finger.
- Tap to enter/exit fullscreen mode.
 - ☆ Tap to add/remove the file from your Favorites.
 - Tapping this icon gives you additional options:
 - Mail: Lets you e-mail the video.
 - iCloud: Lets you store the video on iCloud.
 - Open In...: Lets you use a third-party app to open the file.



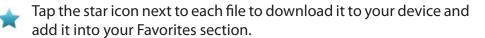
Music

The Music section allows you to stream songs from your DIR-508L to your mobile device. Tap the music icon on the main menu to browse your music collection on your removable storage.



Search Bar: Enter a filename here to search your storage.







- Mail: Lets you e-mail the file.
- iCloud: Lets you store the file on iCloud.
- Open In...: Lets you use a third-party app to open the file.

The bottom menu bar includes these options:



C Tap to update the list of files.

Tap to reorder the files alphabetically.

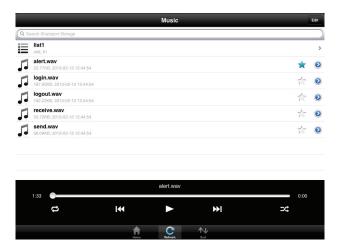


Tap on a file to start playing it. In the player:



Tap to skip to the previous/next song.

Tap to enable/disable shuffle mode.



To create a playlist:

• Tap Edit > Add Playlist.



• The name of the playlist will appear in the browser next to the icon.





To add songs to a playlist:

- Tap the playlist in the browser.
- Tap **Add Music...** to add songs to the current playlist.
- Tick the songs you wish to add and tap **Done**.

To delete songs from the playlist:

- Tap **Edit** in the playlist browser and mark the files to be deleted.
- Tap **Delete**.



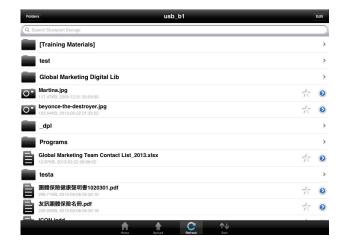
Folders

You can browse your removable storage in a folder view in the folders section. Tapping the filename will open the viewer/player for that file type as described in the previous pages. You can also upload files from your mobile device to the removable storage attached to your router.



Search Bar: Enter a filename here to search your storage.

- Tap to take you to the editing screen where you can add a folder and mark files for deletion or copying.
- Tap the star icon next to each file to download it to your device and add it into your Favorites section.
- Tapping the > icon gives you additional options depending on the file type.



The bottom menu bar includes these options:

- Tap to go back to the main menu.
- Tap to upload files from your device to your removable storage.
- Tap to update the list of files.
- Tap to reorder the files alphabetically.

To delete files:

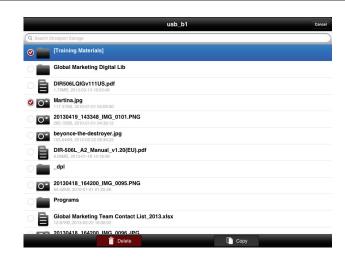
- Tap **Edit** at the top right.
- Tick the circle next to a file to mark it for deletion.
- Tap on **Delete** at the bottom to delete the file.

To copy files:

- Tap on Copy to bring up a window where you can select the folder to copy to.
- Browse to the directory you want to copy the marked files to and tap Paste.
- You can also tap **Add Folder** to create a new folder.

To create a new folder:

- Browse to the directory you wish to create a new folder in.
- Tap **Edit** at the top right.
- Tap **Add Folder** to add a new folder.
- Enter the name of the new folder, then tap **Save**.
- Tap **OK** to confirm folder creation.







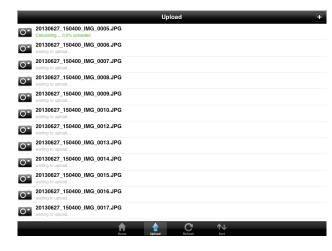
To upload images and videos from your mobile device:

- Browse to the folder you wish to upload to.
- Tap **Upload** at the bottom.
- Select the photos/videos you wish to upload.
- Tap Done.

During the upload process, the size of the file and the upload progress will be displayed.

To upload more files, tap the + icon at the top right and repeat the steps listed above.





Favorites

The Favorites section allows you to quickly access your most often used files, no matter what file type, in a special section. Files added to the Favorites section will be copied here for playback in a centralized location.



- Tap to mark files for deletion from the local storage in Favorites. The file will still be accessible in other mydlink SharePort sections.
- Tapping this icon gives you additional options depending on the file type.

The bottom menu bar includes these options:

- Tap to go back to the main menu.
- C Tap to update the list of files.
- Tap to reorder the files alphabetically.

Tap on a file to start the file viewer. In the viewer:

- Tap to add/remove the file from your Favorites.
- Tap to bring up additional options.

Note: The file options available will vary depending on the file type.



Using the mydlink SharePort app for Android™

The mydlink SharePort app is a streamlined mobile application that allows you to conveniently stream media and share files stored on a removable storage connected to your router. Once the router is set up, you can start the app and easily connect from a local network or through the Internet to access your photos, videos, music, and documents. It allows you to create your own personal cloud storage; you can upload files and photos from your mobile device to the removable storage via the app from anywhere in the world!

Note: In order to ensure smooth streaming performance, you will need a minimum of 2 Mbit/s upload bandwidth for your router's Internet connection. Streaming performance will vary depending on the quality of your Internet connection.

1. If you are connecting remotely through the mydlink SharePort app from the Internet, you will need a **mydlink** account. Please refer to "mydlink" on page 100 for more details.



2. Make sure the device is powered on. Then plug your USB storage drive into the USB port of the device.

Note: If you connect a removable storage with many files or a large capacity, it may take a while for the router to scan and catalog your files.



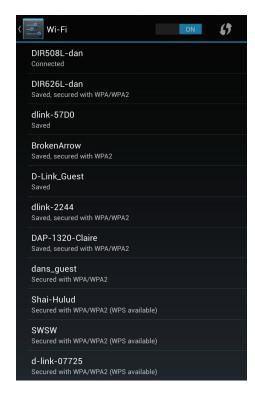
3. Use your Android mobile device to search for and download the free **mydlink SharePort** app from Google Play[™].

If you have a QR code reader, you can scan the code for **mydlink SharePort** to the right.





- 4. On your mobile device, go to your Wi-Fi settings and connect to your router's wireless network using the default Wi-Fi settings. By default, your wireless network details are:
 - Wi-Fi Network Name (SSID): DIR508L
 - Password: (leave this blank)

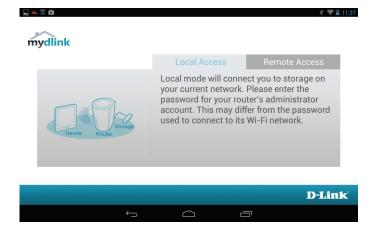


- 5. Once connected, tap the **mydlink SharePort** icon, and the app will load.
- 6. At the login page, tap to select between a local access or remote access connection. If you are unsure, tap? to see descriptions of the two types of connections.



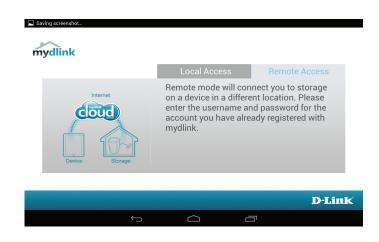
Local Access:

Local mode will connect you to storage on your current network. For example, if you are at home connecting to your router, choose this mode.



Remote Access:

Remote mode will connect you to storage on your router in a different location. For example, you are at your office connecting to your router at home.



If you are directly connected to the DIR-508L's wireless network, tap Local Access and enter the Admin Password of your router, then tap Log In.

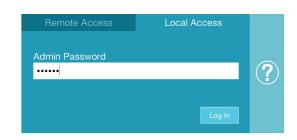
If you are connecting through the Internet tap Remote Access and enter your mydlink login information, then tap Log In. Tap on your router on the devices page that appears. You can now share your files.

After logging in, select your router from the device list.

7. You can now use the mydlink SharePort app interface to stream media and access files stored on your removable drive.

The wireless icon at the bottom will be lit blue to indicate a Local Access connection. It will be green to indicate you are connected to the router through Remote Access.

Note: If you see a red wireless icon, your router's network environment may not be suitable for a direct network connection and you may experience slow network speeds.









Main Menu

The mydlink SharePort main menu has different sections that let you see all the documents, photos, movies, or music stored on your removable storage. Tap < or >, or swipe left or right to move between the different sections. The Wi-Fi icon at the bottom indicates an active local network connection (blue) or remote connection (green/red). Tap **Log In** if it is not lit, or **Log**

Out retu o the login page.

Tap on the document icon to view documents.

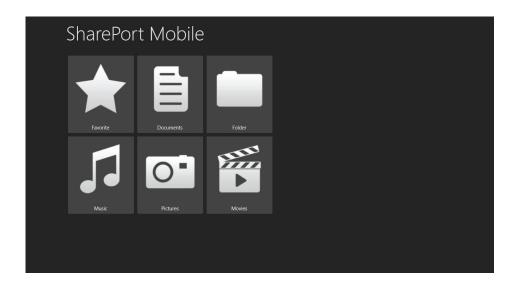
Tap the camera icon to view pictures.

Tap on the movie icon to play videos.

Tap on the music icon to play audio files.

Tap on the folder icon to browse all files in a folder view.

Tap on the star icon to access your favorite files.



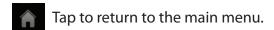
Note: Available features may differ depending on the Android OS version of your device.

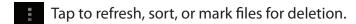
Documents

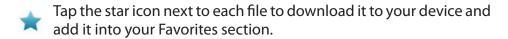
The Documents section allows you to share, print, and view documents streamed from your DIR-508L to your mobile device. Tap the document icon on the main menu to browse the files on your mobile device.



Search Bar: Type in the name of a file to search for it.









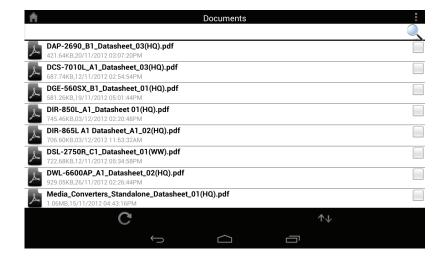
Tap for additional options:

Tap to return to the main menu.

C Tap to update the list of files.

Tap to sort the files by name, size, type, or date.

Check a file then tap to delete it.



Tap on a file to start the document viewer. In the viewer:

- Tap the screen to bring up zoom in/out buttons.
- Drag the screen up or down to scroll between pages.
- Tap : to perform File, Find, Zoom, Reading View, Go To Page, and Bookmarks actions.

Note: Available actions may differ depending on your Android OS.



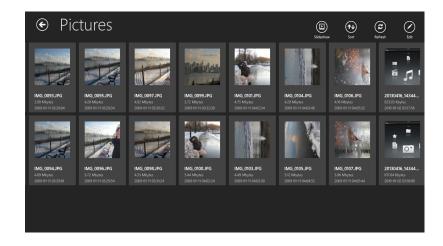
Pictures

The Pictures section allows you to view images streamed from your DIR-508L to your mobile device. Tap the camera icon on the main menu to browse your photo collection on your removable storage.



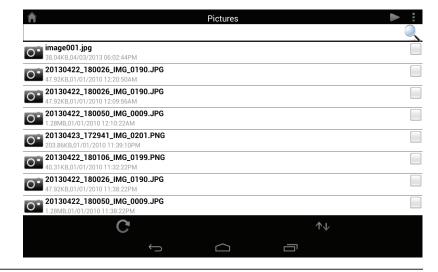
Search Bar: Type in the name of a file to search for it.

- Tap to return to the main menu.
- Tap to start a slideshow.
- Tap to refresh, sort, or mark files for deletion.
- Tap the star icon next to each file to download it to your device and add it into your Favorites section.



Tap for additional options:

- Tap to return to the main menu.
- C Tap to update the list of files.
- Tap to sort the files by name, size, type, or date.
- Theck a file then tap to delete it.



Tap on an image file to start the image viewer. In the viewer:

- Tap the star icon to download it to your device and add it into your Favorites section.
- Tap to start a slideshow. Tap the image to stop the slideshow.
- Tap to delete the current image. Tap **OK** to confirm.
- Tap to bring up additional options using other applications.
- Tap to access the image editor.

Note: This function may vary depending on the version of your Android OS.



Videos

The Videos section allows you to stream video clips and movies from your DIR-508L to your mobile device. Tap the movie icon on the main menu to browse your videos on your removable storage.



Search Bar: Type in the name of a file to search for it.

- Tap to return to the main menu.
- Tap to refresh, sort, or mark files for deletion.
- Tap the star icon next to a file to download it to your device and add it into your Favorites section.



20130509_110404_IMG_0240.MOV

Tap for additional options:

- Tap to return to the main menu.
- C Tap to update the list of files.
- ↑↓ Tap to sort the files by name, size, type, or date.
- Theck a file then tap this icon to delete it.



Tap on a file to start playing it. Tap on the screen to bring up the scroll bar, pause button, and play button.

- Tap to resume playback.
- Tap to pause the video.

Note: Available features may vary depending on the Android OS version installed on your device.



Music

The Music section allows you to stream songs from your DIR-508L to your mobile device. Tap the music icon on the main menu to browse your music collection on your removable storage.

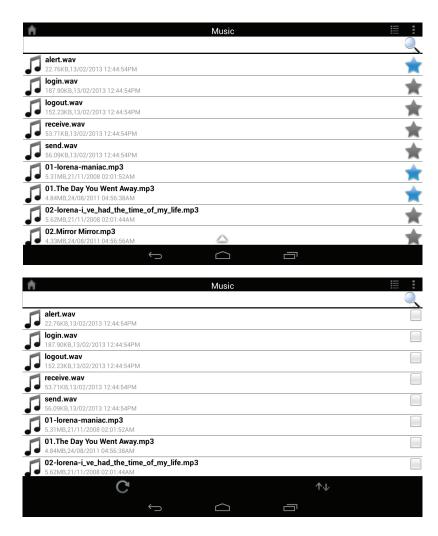


Search Bar: Type in the name of a file to search for it.

- Tap to return to the main menu.
- Tap to refresh, sort, or mark files for deletion.
- Tap to browse your playlists.
- Tap the star icon next to a file to download it to your device and add it into your Favorites section.

Tap for additional options:

- Tap to return to the main menu.
- C Tap to update the list of files.
- ↑ Tap to sort the files by name, size, type, or date.
- Theck a file then tap this icon to delete it.



Tap on a file to start playing it. In the player:



Tap to repeat all. Tap again to repeat a single song.

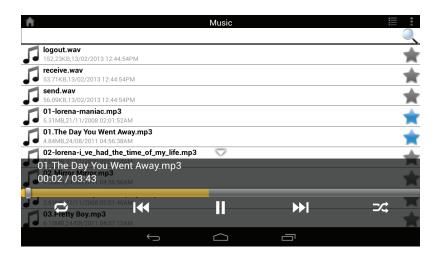
Tap to skip to the previous/next song.

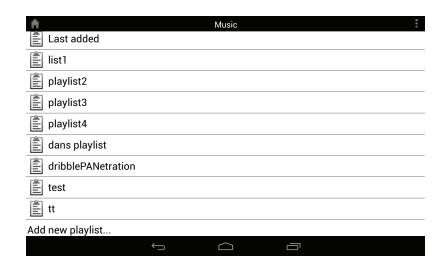
► II Tap to play or pause the song.

Tap to enable/disable shuffle mode.

To create a playlist:

- Tap
- Tap Add new playlist...
- Enter a name for the playlist, then tap **OK**. The name of the playlist will appear in the browser next to the icon.
- You can tap then to refresh the playlist page.





To add songs to a playlist:

- Tap a playlist to see its contents.
- Tap Add Music... to add songs to the current playlist.
- Tick the songs you wish to add and tap 🖺 to save.



To delete songs from the playlist:

- Tap in the playlist browser and mark the files to be deleted.
- Tap in then tap **OK** to confirm.



Folders

You can browse your removable storage in a folder view in the folders section. Tapping the filename will open the viewer/player for that file type as described in the previous pages. You can also upload files from your mobile device to the removable storage attached to your router.



Search Bar: Type in the name of a file to search for it.







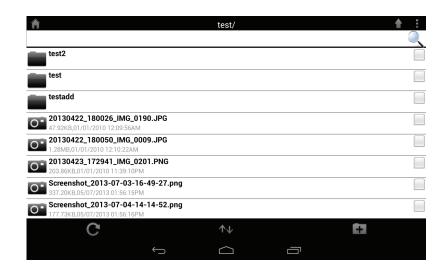
In the file browser:

- Tap to return to the main menu.
- ↑ Tap to upload files.
- Tap to refresh, sort, create a new folder, or mark files for deletion and copying.



Tap to select files and perform the following actions:

- Tap to update the list of files.
- Tap to sort the files by name, size, type, or date.
- Tap to create a new folder.
- mark a file then tap this icon to delete it.
- Mark a file then tap this icon to copy it.



To delete files:

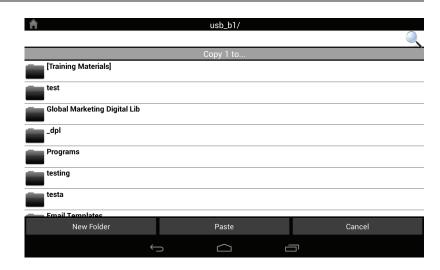
- Tap on and tick the box next to a file for deletion.
- Tap on to delete your selected files. Tap **OK** to confirm.

To copy files:

- Tap on to select files for copying. Tick the box next to each file for copying.
- Tap on to browse to the destination.



- Tap Paste or Cancel.
- You can also tap **New Folder** if you wish to create a folder in the current directory.



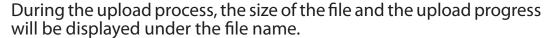
To create a new folder:

- Browse to the directory you wish to create a new folder in.
- Tap then •.
- Enter the name of the folder in the box, then tap **OK.**



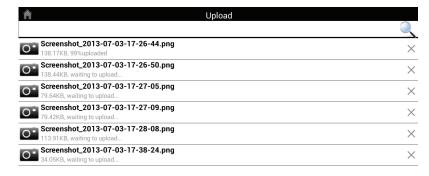
To upload images and videos from your mobile device:

- Browse to the folder you wish to upload to.
- Tap and browse to the file or files you wish to upload from the local device.
- Tick the box next to each of the files you wish to upload.
- Tap Upload.



• To remove a file from the upload queue, tap the X next to it.







Favorites

The Favorites section allows you to quickly access your most often used files, no matter what file type, in a special section. Files added to the Favorites section will be copied here for playback in a centralized location.

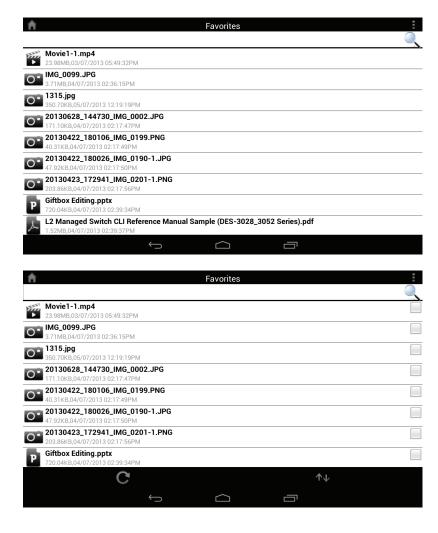


Search Bar: Type in the name of a file to search for it.

- Tap to return to the main menu.
- Tap to refresh, sort, or mark files for deletion.

Tap for additional options:

- Tap to return to the main menu.
- C Tap to update the list of files.
- Tap to sort the files by name, size, type, or date.
- Theck a file then tap to delete it.



Using SharePort Mobile for Windows® 8/RT

The SharePort Mobile app is a streamlined mobile application that allows you to conveniently stream media and share files stored on a removable storage connected to your router. Once the router is set up, you can start the app and easily connect from a local network to access your photos, videos, music, and documents. Then, you can upload files and photos from your mobile device to your router's removable storage via the app wirelessly!

1. Make sure the device is powered on. Then plug your USB storage drive into the USB port of the device.



Note: If you connect a removable storage with many files or a large capacity, it may take a while for the router to scan and catalog your files.

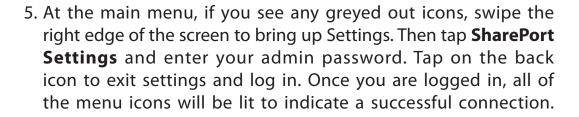


2. Use your Windows 8/RT mobile device to search for and download the free **SharePort Mobile** app from the Windows Store.

É

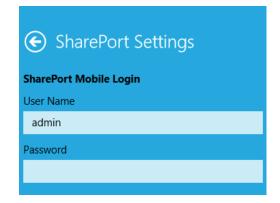
- 3. On your mobile device, go to your Wi-Fi settings and connect to your router's wireless network using the default Wi-Fi settings. By default, your wireless network details are:
 - Wi-Fi Network Name (SSID): DIR508L
 - Password: (leave this blank)











6. You can use the SharePort Mobile app interface to stream media and access files stored on your removable drive.



Main Menu

The Mobile main menu has different sections that let you see all the documents, photos, movies, or music stored on your renne able storage. Tap an icon to access your files by type. In each section, you can tap at any time to go back.

Tap on the document icon to view documents.

Tap the camera icon to view pictures.

Tap on the movie icon to play videos.

Tap on the music icon to play audio files.

Tap on the folder icon to browse all files in a folder view.

Tap on the star icon to access your favorite files.



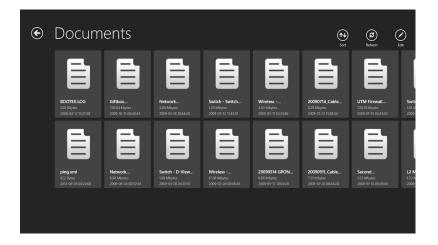
Documents

The Documents section allows you to share, print, and view documents streamed from your DIR-508L to your mobile device. Tap the document icon on the main menu to browse the documents on your mobile device.



In the documents browser, tap the document to open it with a third-party application.

- Tap to sort files by...
- Tap to refresh the list of files.
- Tap to select files to be added as a favorite or deleted.



Tapping **Edit** and selecting one or more files gives you the following options:

- Tap to leave the editing screen.
- Tap to add the file to Favorite and download it to your local device.
- Tap to delete the selected file or files.
- Tap to deselect all selected files.



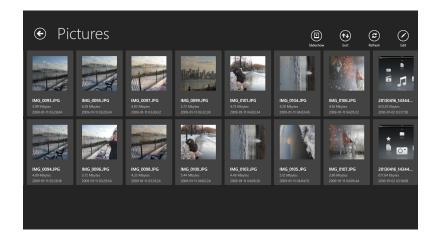
Pictures

The Pictures section allows you to stream images from your DIR-508L to your mobile device. Tap the camera icon on the main menu to browse your photo collection on your removable storage.



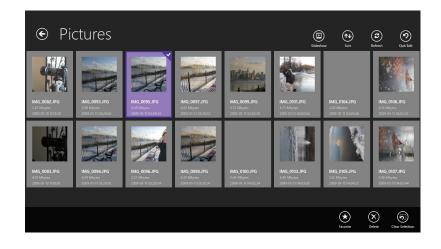
In the image browser, tap the image to open it.

- Tap to start a slideshow of your images.
- Tap to sort files by....
- Tap to refresh the list of files.
- Tap to select files to be added as a favorite or deleted.



Tapping **Edit** and selecting a file gives you the following options:

- Tap to leave the editing screen.
- Tap to add the file to Favorite and download it to your local device.
- Tap to delete the selected file or files.
- Tap to deselect all selected files.



In the image viewer:



Tap to start a slideshow of your images.



Tap to open, mark as favorite, or delete the image.

After tapping **Edit**:



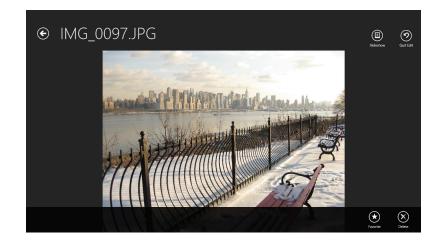
Tap to leave the editing screen.



Tap to add the file to Favorite and download it to your local device.



Tap to delete the selected file or files.



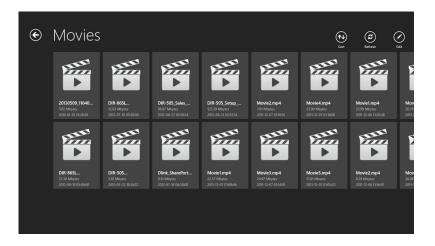
Movies

The Movies section allows you to stream video clips and movies from your DIR-508L to your mobile device. Tap the movie icon on the main menu to browse your videos on your removable storage.



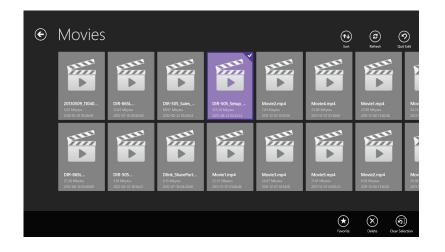
In the movies browser, tap the file to play it.

- Tap to sort files by....
- Tap to refresh the list of files.
- Tap to select files to be added as a favorite or deleted.

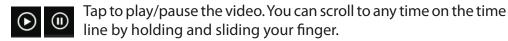


Tapping **Edit** and selecting a file gives you the following options:

- Tap to leave the editing screen.
- Tap to add the file to Favorite and download it to your local device.
- Tap to delete the selected file or files.
- Tap to deselect all selected files.



Tap on a file to start playing it. In the player:



(3) Tap to enter/exit fullscreen mode.

Tap to adjust the volume.

Tap to add or delete the file.



After tapping Edit:

Tap to leave the editing screen.

Tap to return to the main menu.

Tap to add the file to Favorite and download it to your local device.

Tap to delete the file.



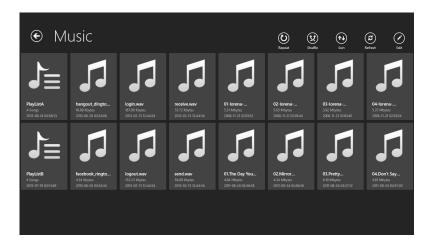
Music

The Music section allows you to stream songs from your DIR-508L to your mobile device. Tap the music icon on the main menu to browse your music collection on your removable storage.



In the music browser, tap a file to play it with the music player.

- Tap to repeat one or all songs.
- Tap to enable/disable shuffle mode.
- Tap to sort files by....
- Tap to refresh the list of files.
- Tap to select files to be added as a favorite or deleted.



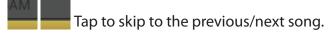
Tapping **Edit** and selecting a file will show:

- Tap to leave the editing screen.
- Tap to add selected songs to a new play list.
- Tap to add the file to Favorite and download it to your local device.
- Tap to delete the selected file or files.
- Tap to deselect all selected files.

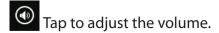


Tap on a file to start playing it. In the player:









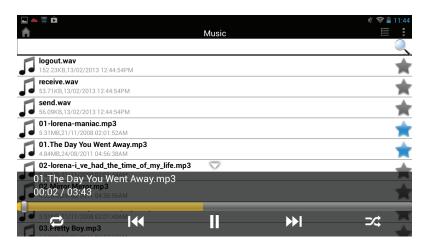
To create a playlist:

- Tap **Edit**, then select songs to be added to a new playlist.
- Tap Add Playlist.
- Enter a name for the playlist, then tap Save.

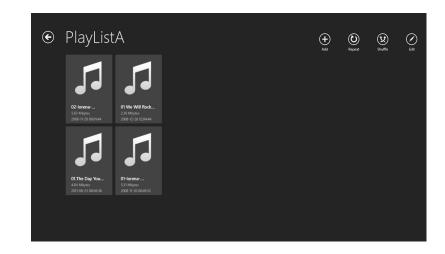
The playlist will appear in the browser as an icon.

To add songs to a playlist:

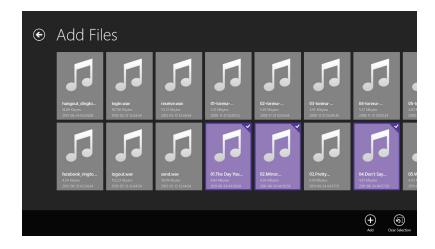
- Tap your playlist to see its current contents.
- Tap Edit.
- Tap Add.





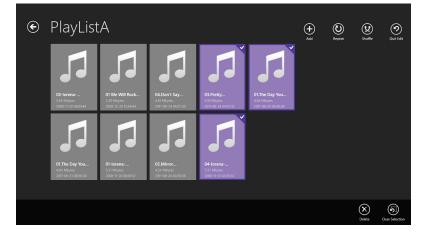


• Select songs to be added to your playlist, then tap **Add.**



To delete songs from your playlist:

- Tap your playlist to see its current contents.
- Tap **Edit** in the playlist browser and mark the files to be deleted.
- Tap **Delete** to remove the file.



Folder

You can browse your removable storage in a folder view in the Folder section. Tapping the filename will open the viewer/player for that file type as described in the previous pages. You can also upload files from your mobile device to the removable storage attached to your router here.



In the browser, tap the file to open it.

- Tap to sort files by....
- ② Tap to refresh the list of files.
- Tap to upload files, create a new folder, or select files to be copied, opened, favorited or deleted.

Tapping **Edit** will show:

- Tap to return to the main menu.
- Tap to upload a file from your device.
- Tap to create a new folder.



Tapping **Edit** and selecting a file gives you the following options:

Tap to leave the editing screen.

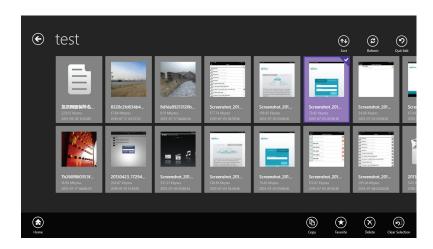
Tap to return to the main menu.

Tap to copy selected files.

Tap to add the file to Favorite and download it to your local device.

Tap to delete the selected file or files.

Tap to deselect all selected files.



To delete files:

- Browse to the folder with the file to be deleted.
- Tap **Edit** in the browser and mark the file to be deleted.
- Tap **Delete** to delete the file.

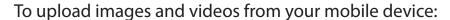
To copy files:

- Select the file to be copied and tap **Copy**.
- Browse to and select the destination folder.
- Tap **Choose** to copy the file to that folder.



To create a new folder:

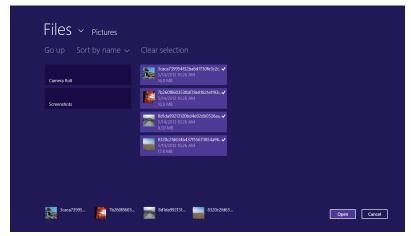
- Browse to the directory you wish to create a new folder in.
- Tap **Edit** at the top right.
- Tap **New Folder** and enter the name of the new folder.
- Tap **Save** to create the folder.

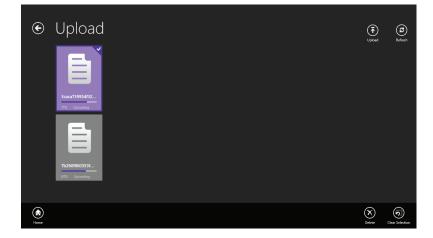


- Browse to the folder you wish to upload to.
- Tap Edit then tap Upload. In the Upload screen, tap Upload to bring up Windows file browser.
- Select your files to be uploaded from your device to the USB storage and tap **Open**. The files will begin uploading.

- During the upload process, you can tap the upload queue files to delete them from the queue.
- To upload more files, tap the **Upload** icon at the top right and repeat the steps above.







Favorite

The Favorite section allows you to quickly access your most often used files, no matter what file type, in a special section. Files added to this section will be copied here for playback in a centralized location.



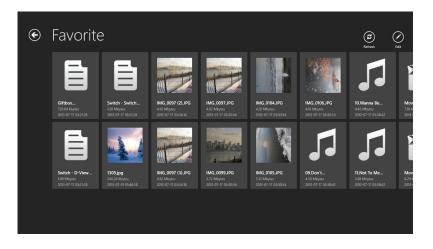
In the Favorite browser, tap the file to open it.



Tap to refresh the list of files.



Tap to select files to be opened or deleted.



Tapping **Edit** and selecting a file gives you the following options:



Tap to leave the editing screen.



Tap to delete the selected file or files.



Tap to deselect all selected files.



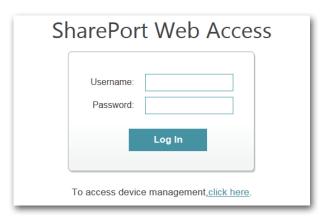
Using SharePort Web Access

SharePort Web Access lets you stream music, photos, and movies from a USB storage or SD card attached to your DIR-508L through a web browser. You can also download and upload files to and from a computer through the web browser interface.

 Type http://shareport.local. in your browser's URL to take you to the SharePort Web Access log in page.



 Log in with your admin password or a SharePort Username and Password.



At the main menu, you can browse the files stored on your USB drive or SD card by file type.

• Click to browse by folders.



The folder browser section will show folder hierarchy at the left and files at the right. You can quickly browse directories and perform operations by using the buttons in the folder browser view.

• Click to return to the main menu.

To create a new folder:

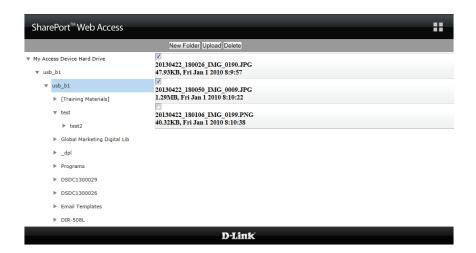
- Click New Folder in the current directory.
- Enter a folder name in the Create Folder pop-up.
- Click **OK**. The new folder will appear in the left column.

To upload a file:

- Click **Upload** to upload a file to the current folder.
- In the pop-up browse to the file you wish to upload.
- Click **OK**. The file will appear after the browser refreshes.

To delete a file:

- Tick the checkbox next to the files you wish to delete.
- Click **Delete** and a dialog box will appear.
- Click **OK** to confirm.









Music

You can go to the Music section to browse and play the music files on your storage. Click **Back** to return to the main menu.

• Click on the audio filename to play it in the browser.

You can pause, seek, mute and adjust the volume in the window.

• Close the window to end playback.





Pictures

You can go to the Pictures section to browse and view the image files on your storage. Click **Back** to return to the main menu.

• Click on the image name to view it in the browser.



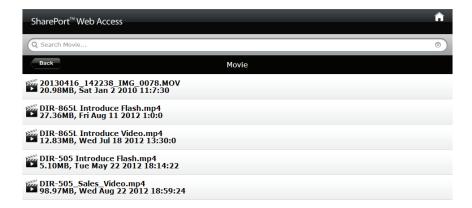
 Hover your mouse over the left or right side of the image and click < or > to view the previous or next image.



Videos

You can go to the Videos section to browse and play the video files on your storage. Click **Back** to return to the main menu.

 Click on the video file to open the file in a window for streaming.



You can pause, seek, mute, adjust the volume, and activate full screen mode in the window controls.

• Close the window to end playback.

Note: Depending on your browser, the video file may be played back using the default player associated with that file format.



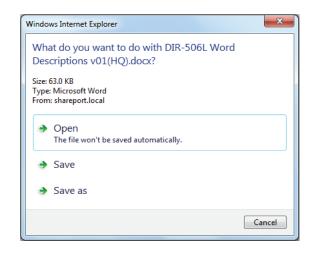
Documents

You can go to the Documents section to open and save files from your storage to your computer. Click **Back** to return to the main menu.

• Click on the filename to open the file.



• Depending on the file type, the default program will be started or a pop-up may ask you to open or save the file.



Configuration

Before you can use your DIR-508L, you will need to access its configuration utility by using a web browser.

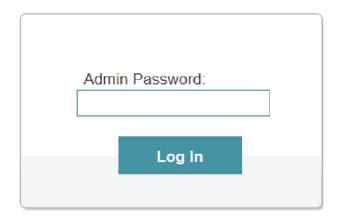
- To access the configuration utility of the DIR-508L, open a web-browser and enter http://dlinkrouter.local. or http://dlinkrouter in the address bar.
- Enter your password for the Admin account. By default, the password is blank.
- Click Log In.

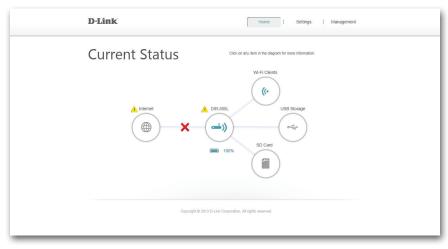
The router's home page will open, and you can check its current status, start a wizard, and navigate to the different settings of the DIR-508L.

The bar at the top of the page has quick access to **Settings** and **Management** functions, and you may quickly jump back **Home** at any time.

Note: The system will automatically log out after a period of inactivity.

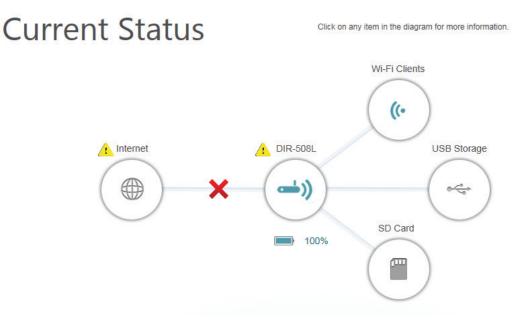






Home

The Home page will display a diagram with icons indicating the statuses of various functions and connections. Clicking on an icon with an ⚠ next to it will start a wizard for that function. You may also click on the 🗙 to configure your Internet connection. If the link to the Internet shows ⚠, this means your router has been assigned an uplink IP but does not have Internet access. You will need to contact your service provider. If the link is showing a ✔, it means you are connected to the Internet.



Internet: The Internet icon indicates the status of the Internet connection to the router. It is grey if there is no connection, and blue if a connection is established.

DIR-508L: The router icon indicates the status of the Wi-Fi security on the DIR-508L. It is grey if it is unsecured, and blue if your Wi-Fi network name (SSID) and password have been set.

Wi-Fi Clients: The Wi-Fi icon indicates if there are clients currently connected to the router via Wi-Fi. It will be blue if there are active connections.

USB Storage: The USB icon will be blue if you have connected a USB storage device to the router.

SD Card: The SD card icon will be blue if you have inserted an SD card.

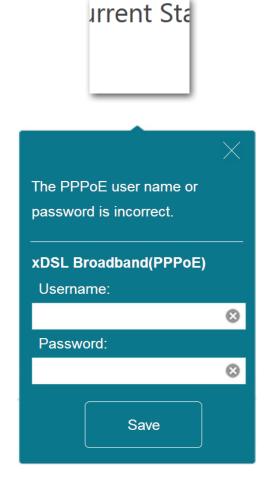
InternetBroadband Ethernet

If you have connected the DIR-508L to a cable modem via an Ethernet cable, your Internet should be connected and ready for use. The Internet icon will be blue and the connection will have a check mark ✓.

If you have connected the DIR-508L to an xDSL modem via an Ethernet cable but can not access the Internet:

• Click on the Internet icon to start the wizard.

- Enter the Username and Password as provided by your Internet Service Provider.
- Click Save.



Once you are connected:

 Click on the Internet icon to display the IPv4 network details below the diagram. You can view the IPv6 details by clicking at the top right.

Note: This information will be saved as an xDSL Broadband (PPPoE) Internet Profile for future use.

 Click on **DHCP Release** if you wish to disconnect from the Internet.

• To reconnect to the Internet, you may click the Internet icon and then click **Connect** in the pop-up dialog to enable DHCP.







3G/4G Mobile Broadband

You can connect a compatible 3G/4G USB adapter to the USB port on the DIR-508L to access the Internet. Depending on your mobile service provider, you may have to input optional settings before use. You may need to contact your service provider regarding these details.

PIN code Enter the 4-digit PIN for your SIM card. **(optional):**

• Click **Save** to store the settings.

APN: Enter your service provider's APN.

Dial-Up Num- Enter the dial-up number required by your service **ber (optional):** provider.

Username Enter the username provided by your service provider. **(optional):**

Password Enter the password provided by your service provider. **(optional):**

• Click **Save** to store the settings.



When you are connected to the Internet via mobile broadband, the Internet icon should be blue and the link will have a green check mark ✓.

Clicking on the Internet icon will display the 3G/4G network details. You may click on the **Disconnect** button to drop the 3G/4G connection .

Connection Type: Displays whether it is a 3G/4G network.

Operator: Displays the country name and service provider.

Network Status: Displays the status of the connection to the 3G/4G

network.

Connection Up Displays the number of days, hours, minutes, and seconds

Time: the router has been connected to the 3G/4G network.

MAC Address: Displays the MAC address of the 3G/4G adapter.

IP Address: Displays the IP address provided to the router.

Subnet Mask: Displays the subnet mask of the 3G/4G network.

Default Gateway: Displays the default gateway of the 3G/4G network.

Primary Displays the primary DNS server of the 3G/4G network.

DNS Server:

Secondary Displays the secondary DNS server of the 3G/4G network.

DNS Server:



Wi-Fi Hotspot

On the Home page, when you wish to connect to the Internet via a Wi-Fi hotspot, there will be a /t next to the Internet icon. Click it to start the wizard.

Click Next to scan available Wi-Fi networks.

 Click on the hotspot network you wish to connect to and click **Select**.

• You will need to enter a password if there is a lock icon next to that network. Enter the password and click **Save**. You will need to wait while the router connects to the network.



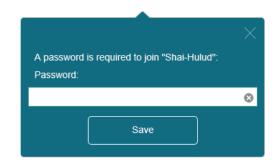
dlink-57D0

Shai-Hulud

dir-845L-Min

SWSW

ক



Select

Once you are connected, the Internet icon will be blue and the status diagram will show a green check mark \checkmark when the connection is established. You can now click on the Internet icon in the Current Status diagram to see details of the connection. You may also click on the button to **Disconnect** from this network.

Connection Type: Displays whether it is a hotspot network connection.

Network Status: Displays the status of the connection to the hotspot

network.

Hotspot Name (SSID): Displays the SSID or the name of the hotspot network.

Password: Displays the password of the hotspot network.

Connection Up Displays the number of days, hours, minutes, and seconds

Time: the router has been connected to the hotspot network.

MAC Address: Displays the MAC address of the hotspot router.

IP Address: Displays the IP address provided to the router.

Subnet Mask: Displays the subnet mask of the hotspot network.

Default Gateway: Displays the default gateway of the hotspot network.

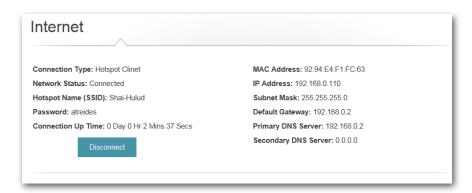
Primary Displays the primary DNS server of the hotspot network.

DNS Server:

Secondary Displays the secondary DNS server of the hotspot

DNS Server: network.

Note: These connection details will be saved as a Wi-Fi Hotspot under Internet Profiles to allow automatic connections to this network in the future. For more information, please refer to "Wireless Modes 128" on page iii.



Router

On the home page, you can proceed to secure your wireless network. To secure your network, you may customize your Wi-Fi Network Name (SSID) and Password by clicking on the router icon.

• Click on the router icon with the next to "DIR-508L" to start the wizard.



• Click **Secure your network** in the pop-up.



On the Wi-Fi Settings page, you can customize the Wi-Fi Network Name (SSID) and Password.

Note: Enter a password with a minimum of 8 characters.

• Click **Save**. The settings will take effect and you will be disconnected from the network.



Devices may now connect to the network using the new SSID and password. The will no longer be displayed on the Home page.



- Clicking on the router icon will now display Network, Wi-Fi, and Guest Zone information.
- Clicking on the links will take you to their respective pages under **Settings** where you can further configure advanced settings.

For Network, please refer to "Network (LAN)" on page 94.

For Wi-Fi, please refer to "Wi-Fi" on page 93.

For Guest Zone, please refer to "Guest Zone" on page 99.

Wi-Fi Clients

On the Home page, clicking on the Wi-Fi Clients icon takes you to a page where you can see a list of all devices connected to your Wi-Fi network.

Click on the Wi-Fi icon to access Wi-Fi client details.



The box for each device will show its connection status, name, vendor, IP address, and access status.



To change the settings for each device, you can click on the pencil icon to bring up a new window.

Name: Enter a custom name for this client.

Vendor: Displays the vendor of the device.

IP Address: Enter a specific IP address for this client.

Reserved IP: Enable to reserve this IP address for this client.

Access: Allow or Block access to the router.

Name: Daniels-iPad

Vender: Apple

IP Address: 192.168.100.134

Reserved IP: Disabled

Access: Allowed

Click Save when you are done.

USB Storage

If you have a USB Storage device attached to the DIR-508L, you can view the storage details from the Home page via the USB Storage pane.

• Click on the USB Storage icon to access storage details.



USB

Available Space: Displays the amount of free space on the USB storage.

Total: Displays the total capacity of the USB storage.

USB Available Space: 2.2GB Total: 3.7GB DLNA Media Server Status: Enabled Service Name: DIR508L SharePort Status: Enabled

DLNA MEDIA SERVER

Status: Displays if DLNA is enabled or disabled.

Service Name: Displays the name of the DLNA server as it appears to

other devices on the network.

SHAREPORT

Status: Displays if SharePort is enabled or disabled.

For more information on DLNA and SharePort settings, please refer to "SharePort" on page 96.

SD Card

If you have inserted an SD card, you can view the card details from the Home page via the SD Card pane.

 Click on the SD Card icon on the to bring up the SD card details.



SD CARD

Available Space: Displays the amount of free space on the SD card.

Total: Displays the total capacity of the SD card.

SD Card SD Card Available Space: 86.3MB Total: 240.9MB Status: Enabled Service Name: DIR508L SharePort Status: Enabled

DLNA MEDIA SERVER

Status: Displays if DLNA is enabled or disabled.

Service Name: Displays the name of the DLNA server as it appears to

other devices on the network.

SHAREPORT

Status: Displays if SharePort is enabled or disabled.

For more information on DLNA and SharePort settings, please refer to "SharePort" on page 96.

Settings Internet Profiles

Internet Profiles are networks you want the device to remember and reconnect to in the future. Profiles are created automatically the first time you connect to a particular network. The Profile List shows all of the saved profiles and you can select the profile you wish to use by clicking on the radio button. You may also Add, Edit, and Delete profiles from this page.



To Add a profile:

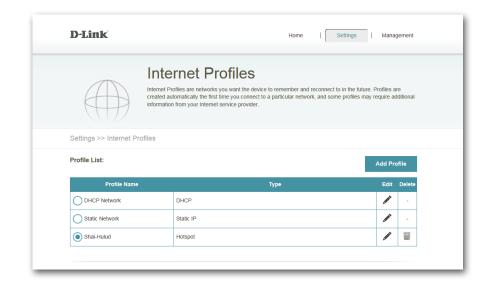
- Click Add Profile.
- On the next screen, select a connection type from the drop down menu.
- Fill in the required information under the connection type.
 If required, click on **Advanced Settings...** to fill in details required by the ISP.
- Click **Save** to store the profile.

To Edit a profile:

• Click on the pencil icon next to the profile you want to edit.

To Delete a profile:

• Click on the trash icon next to the profile you want to delete.



DHCP

Depending on your connection method and your service provider, you may select the default DHCP profile to automatically connect to the Internet. Click on the pencil to edit it. Click **Save** to store your settings.

Host Name: Enter the name of your host.

MAC Address Clone: Type in the MAC address or select the client from the

drop-down menu and click <<.



xDSL Broadband (PPPoE)

Depending on your Internet Service Provider, you may need to configure the PPPoE settings in order to connect to the Internet. You may need to contact your ISP for this information. Click **Save** to store your settings.

My Internet Select xDSL Broadband (PPPoE) from the drop-down list. **Connection is:**

Profile Name: Enter a custom name for this profile.

Username: Enter the username assigned by your ISP.

Password: Enter the password assigned by your ISP.

ADVANCED SETTINGS

Address Mode: Select Static IP if your ISP assigned you the IP address,

subnet mask, gateway, and DNS Server addresses.

Otherwise, select Dynamic.

Service Name: Enter the ISP Service Name (optional).

Reconnect Mode: Select either Always-on, On-Demand, or Manual.

Primary Enter the Primary DNS Server Address.

DNS Address:

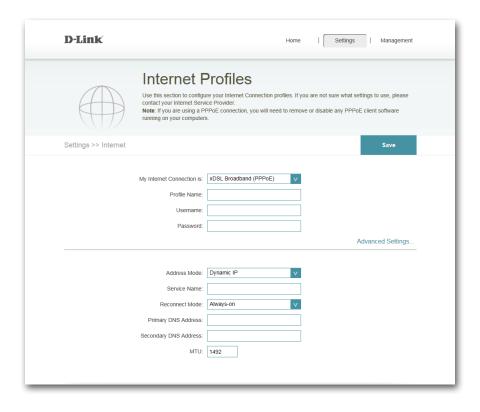
Secondary Enter the Secondary DNS Server Address.

DNS Address:

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP.

1492 is the default MTU.

Note: If you are using a PPPoE connection, you will need to remove or disable any PPPoE client software running on your computers.



3G/4G Wireless USB

Depending on the service provider for your 3G/4G wireless service, you may need to configure the 3G/4G settings in order to connect to the Internet. You may need to contact your ISP for this information. Click **Save** to store your settings.

My Internet Select 3G/4G Wireless USB from the drop-down list. **Connection Is:**

Profile Name: Enter a custom name for this profile.

Dial-up Number: Enter your service provider's dial-up number.

APN: Enter the password assigned by your ISP.

ADVANCED SETTINGS

Country: Select the country of your service provider.

ISP: Select your provider from the drop-down menu.

Username: Enter the username assigned by your service provider.

Password: Enter the password assigned by your service provider.

Authentication Select between Auto(PAP+CHAP), PAP, or CHAP, depending

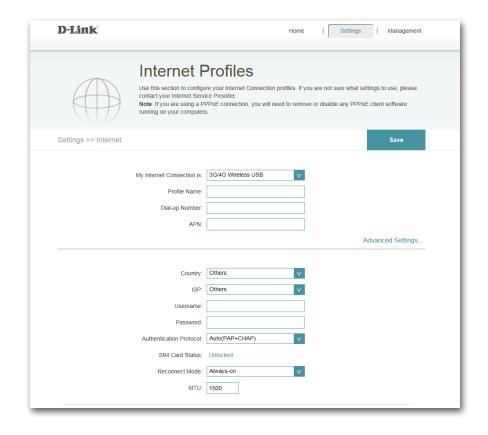
Protocol: on your service provider.

SIM Card Status: Displays whether your SIM card is locked or unlocked.

Reconnect Mode: Select between Always-on, On Demand, or Manual.

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP.

1500 is the default MTU.



Wi-Fi Hotspot Client

This is the Wi-Fi Hotspot page; you may need to configure the settings in order to connect to the Internet. You may need to contact your hotspot provider for this information. Click **Save** to store your settings.

Hotspot Network Enter the name of your hotspot or click **Scan** to select **Name (SSID):** from a list. Please refer to "Wi-Fi Hotspot" on page 80 for

detailed steps.

Security: Select None, WEP, or WPA/WPA2-Personal encryption

depending on the security of your hotspot.

Password: Enter the hotspot network password.



Static IP

Depending on your Internet Service Provider, you may need to configure the static IP settings in order to connect to the Internet. You may need to contact your service provider for this information. Click **Save** to store your settings.

My Internet Select Static IP from the drop-down list. **Connection Is:**

IP Address: Enter the IP address assigned by your ISP.

Subnet Mask: Enter the Subnet Mask assigned by your ISP.

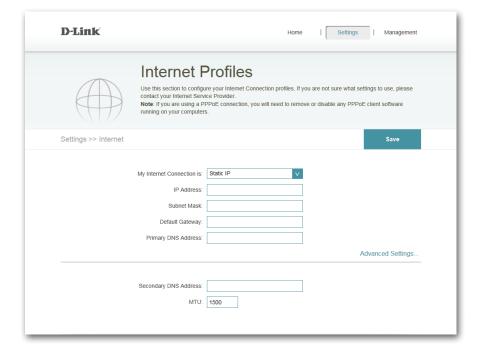
Default Gateway: Enter the Gateway assigned by your ISP.

Primary Enter the Primary DNS Address assigned by your ISP. **DNS Address:**

ADVANCED SETTINGS

Secondary Enter the Secondary DNS Address assigned by your ISP. **DNS Address:**

MTU: Maximum Transmission Unit - you may need to change the MTU for optimal performance with your specific ISP. 1500 is the default MTU.



Wi-Fi

To secure your Wi-Fi network manually and/or access advanced settings, you can go to the **Wi-Fi** page under **Settings**. Click **Save** to store your settings.



Wi-Fi Network Name Enter a custom name for your network. (SSID):

Password: Enter a custom password for your network.

ADVANCED SETTINGS

Security Mode: Select from None or WPA/WPA2-Personal

802.11 Mode: 802.11b Only - Select only if all of your wireless clients

are 802.11b.

802.11g Only - Select only if all of your wireless clients

are 802.11g.

802.11n Only - Select only if all of your wireless clients

are 802.11n.

Mixed 802.11g and 802.11b - Select if you are using

both 802.11g and 802.11b wireless clients.

Mixed 802.11n and 802.11g - Select if you are using

both 802.11n and 802.11g wireless clients.

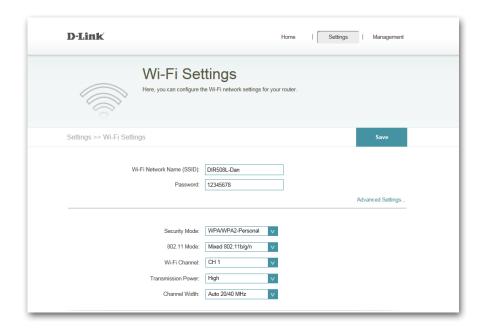
Mixed 802.11n, 11g, and 11b - Select if you are using a mix of 802.11n, 802.11g, and 802.11b wireless clients.

Wi-Fi Channel: Change the channel setting for the DIR-508L. By default

the channel is set to Auto.

Transmission Power: Select from High, Medium, or Low.

Channel Width: Select between Auto 20/40 MHz or 20 MHz.



Network (LAN)

You can configure the local network settings for your router by going to **Network (LAN)** under **Settings**. Click **Save** to store your settings.



NETWORK SETTINGS

Device IP Address: Enter the IP address of the router. The default IP address

is 192.168.0.1.

If you change the IP address, once you click **Save Settings**, you will need to enter the new IP address in your browser

to get back into the configuration utility.

Subnet Mask: Enter the Subnet Mask. The default subnet mask is

255.255.255.0.

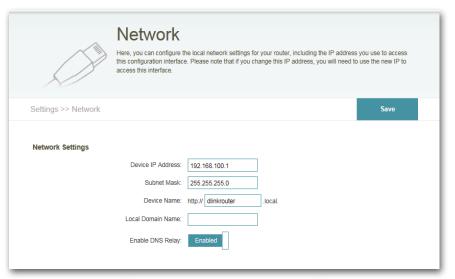
Device Name: Enter a name for the router.

Local Domain Name: Enter the Domain name (Optional).

Enable DNS Relay: Disable DNS Relay to transfer the DNS server information

from your ISP to your computers. If enabled, your

computers will use the router for a DNS server.



DHCP SERVER

Status: Slide to enable or disable the DHCP server function.

DHCP IP Address Enter the starting and ending IP addresses for the DHCP

Range: server's IP assignment.

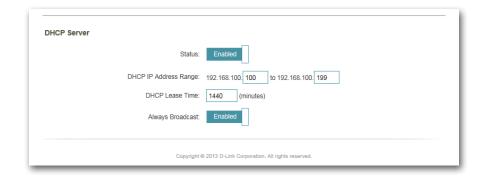
Note: If you statically (manually) assign IP addresses to your computers or devices, make sure the IP addresses are outside of this range or you may have an IP conflict.

DHCP Lease Time: The length of time for the IP address lease. Enter the Lease

time in minutes.

Always Broadcast: Enable this feature to broadcast your network's DHCP

server to LAN/WLAN clients.



SharePort

On this page, you can configure the various storage sharing features of your router. The DLNA server allows you to stream stored pictures, music, and video to another DLNA-compatible device on your network. SharePort Web Access allows you to use a web browser to access stored files from a PC connected to your network. Click **Save** to store your settings.



DLNA MEDIA SERVER

Status: Slide to enable or disable the DLNA Media Server function.

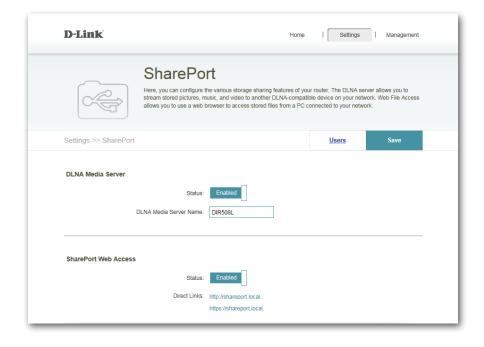
DLNA Media Server Enter a name for the DLNA Media Server. **Name:**

SHAREPORT WEB ACCESS

Status: Slide to enable or disable the SharePort Web Access function.

Direct Links: Click on the first link to reach your SharePort page using HTTP protocol.

Click on the second link to reach your SharePort page using HTTPS protocol.



You can manage your user accounts and their access privileges for SharePort Web Access on the Users tab.

The User List displays the Username, Access Path, and Permissions of all saved users.

USERS

- To Edit a user, click on the pencil icon.
- To Delete a user, click on the trash icon.
- To Create a user, click on **Create a New User** +.

A window with the following fields will appear:

Username: Enter a username for the new user.

Password: Enter a password for the new user.

Permissions: Select Read Only or Read/Write privileges from the drop-

down.

Folder: Click **Browse** to select a folder that you want this user to access. You can browse to lower directories by clicking

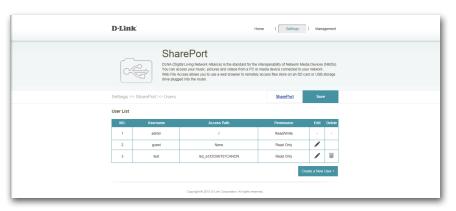
on the rightward-facing arrow.

Click on the folder name to add it. Then, click **Append**.

If you wish to add multiple sub-directories, repeat the steps above. Click **Save**.

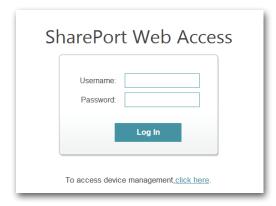
• Click **Save** to store your settings.







You can now log in to SharePort Web Access with any of the accounts you created by typing **http://shareport.local.** in your browser URL to access the log in page.



Guest Zone

You can create a Wi-Fi Guest Zone to share Internet access with guests on a separate Wi-Fi network. This is useful when you wish to block guests from accessing devices on your home network.



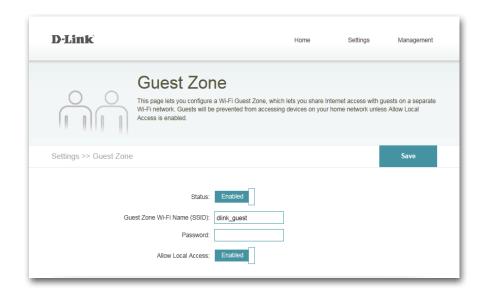
Status: Enable or disable the Guest Zone feature.

Guest Zone Wi-Fi Enter a custom Guest Zone name. **Name (SSID):**

Password: Enter a password for your Guest Zone.

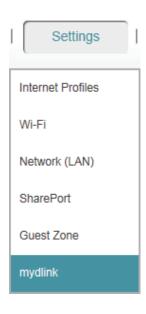
Allow Local Access: Enable or disable this feature to to allow or block guests from accessing devices and files on your network.

• Click **Save** to store the settings.



mydlink

Setting and registering your router with mydlink will allow you to use its mydlink cloud services features, including online access and management of your router through the mydlink portal website.



If you have an existing account:

- Select Yes, I have a mydlink account.
- Log in with the E-mail address and password that you signed up with.
- Click the **Save** button.

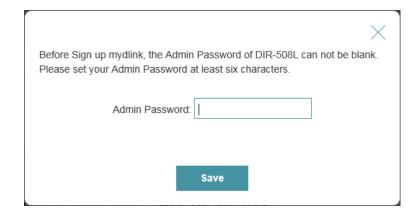


If you do not have an account:

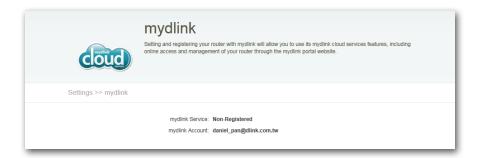
- Select No, I want to create a new mydlink account.
- Fill in the following fields.
- Read and tick the checkbox next to I accept the mydlink terms and conditions.
- Click the **Sign Up** button.

D-Link Settings | Management mydlink Setting and registering your router with mydlink will allow you to use its mydlink cloud services features, including online access and management of your router through the mydlink portal website. cloud Settings >> mydlink Sign Up mydlink Registration Do you have an existing mydlink account? Yes, I have a mydlink account. No, I want to create a new mydlink account. E-mail Address (Account Name) Password First Name: Last Name ☐ I accept the mydlink terms and conditions.

Note: If you have not set an admin password, you will be asked to do so now. Click **Save**.



Accessing **Settings>mydlink** will now display a summary of your mydlink Service status and mydlink Account.

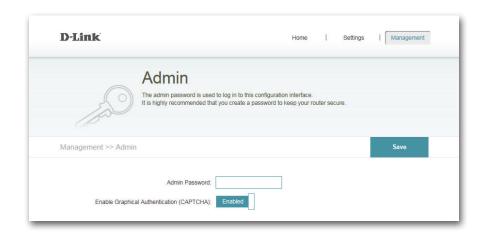


Management Admin

On this page, you can change the admin security settings for logging in to the router configuration interface. It is highly recommended that you create a password with a minimum of 6 characters to keep your router secure. Click **Save** to store your settings.

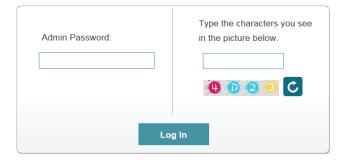
Admin Password: Enter a password to secure administrative access to your router.

Enable Graphical If enabled, you will be required to enter a CAPTCHA along **Authentication** with your password at the log in page. (CAPTCHA):



You will need to log back into the configuration interface with the new password.

If CAPTCHA has been enabled, you will need to enter the 4-digit code as well.



System

Here, you can save or restore your router settings to and from a file. You can also reset your router to the factory default settings and reboot the router.

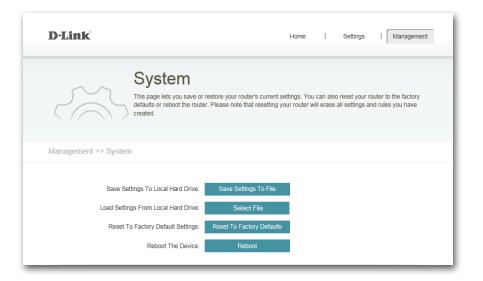
Save Settings to Use this option to save the current router configuration **Local Hard Drive:** settings to a file on the hard disk of the computer you are using. First, click the Save Settings to File button. A file dialog will appear, allowing you to select a location and file name for the settings.

Load Settings Use this option to load previously saved router configuration from Local Hard settings. First, click the **Select File** button to find a previously **Drive:** saved file of configuration settings. Then, click the **Restore Settings From File** button to transfer those settings to the router.

Reset to Factory This option will restore all configuration settings back to **Default Settings:** the settings that were in effect at the time the router was shipped from the factory. Any settings that have not been saved will be lost, including any rules that you have created. Clicking **OK** in the window will require you to reconnect to this device using the default SSID and password.

Reboot Device: Click to reboot the router.

Note: Resetting your router here or via the RESET button will have the same effect as Reset to Factory Default Settings.



Upgrade

This page displays your current firmware version and language pack, and allows you to check for and download new firmware. After downloading the firmware, you can then upload it from this page. If you are using a language pack for your web UI, we recommend that you also download the latest version when upgrading the firmware to ensure that any changes in the interface are shown correctly.

FIRMWARE INFORMATION

Current Firmware Displays the version of the installed firmware. **Version**:

Current Firmware Displays the date of the installed firmware. **Date:**

Click **Check for New Firmware** to retrieve the latest version.

LANGUAGE PACK INFORMATION

Current Language Displays the installed language pack.

Pack: You can select your language on the login page.

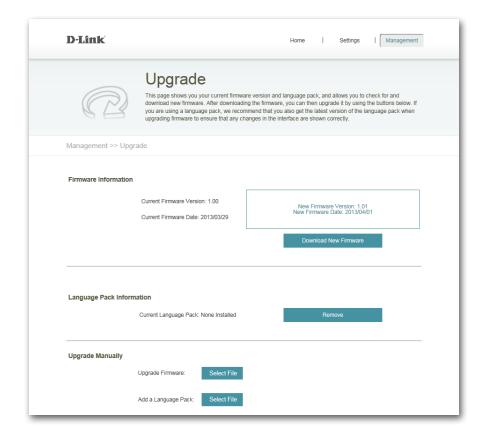
Click **Remove** to uninstall any previously installed language packs.

UPGRADE MANUALLY

Upgrade Firmware: Click **Select File** to open a window and select a downloaded firmware file. Click **Upload** to install it.

Add a Language Click Select File to install a downloaded language pack.

Pack: Click Upload to install it.



Statistics

This page provides statistics about data transmitted and received by your router through the Internet (WAN) on your router's wireless network. It also displays the status of the internal battery. The graph displays the real-time upstream and downstream transfer speeds depending on which tab (**Internet** or **Wi-Fi**) you are currently viewing.

The Blue line indicates the upload speeds and the red line indicates the download speeds.

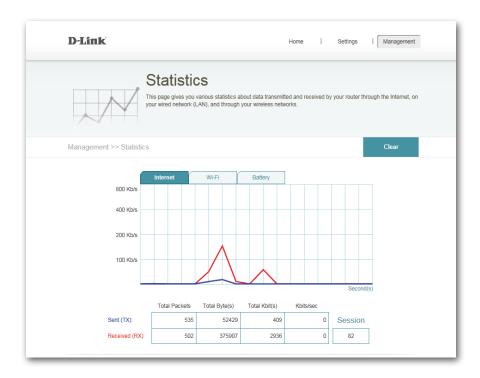
Click Clear to reset the statistics.

The table below displays the following in real-time:

- Total Packets
- Total Byte(s)
- Total Kbit(s)
- Kbits/sec
- Session (Internet only)

The Session box displays the number of active Internet sessions through your router. An Internet session is a conversation between a program or application on a LAN-side computer and a program or application on a WAN-side computer.

The **Battery** tab shows the remaining charge in percent.



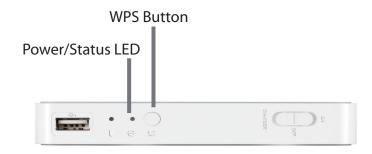


Connecting a Wireless Client WPS Button

The easiest and most secure way to connect your wireless devices to the router is WPS (Wi-Fi Protected Setup). Most wireless devices such as wireless adapters, media players, Blu-ray DVD players, wireless printers and cameras will have a WPS button (or a software utility with WPS) that you can press to connect to the router. Please refer to your user manual for the wireless device you want to connect to make sure you understand how to enable WPS. To connect a client, follow the steps below:

To connect your wireless devices to the router using WPS:

- **Step 1** Press the WPS button on the router for about 1 second. The Power/Status LED will start to blink.
- **Step 2** Within 2 minutes, press the WPS button on your wireless client (or launch the software utility and start the WPS process).
- **Step 3** Allow up to 1 minute to configure. Once the Power/Status LED stops blinking, you will be connected and your wireless connection will be secure with WPA2.



Windows® 8 WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key (Wi-Fi password) being used.

To join an existing network, locate the wireless network icon in the taskbar, next to the time display.

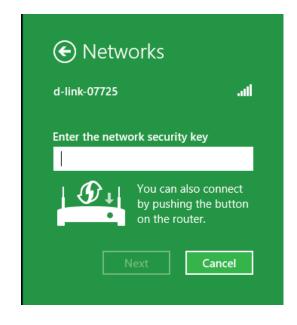


Clicking on this icon will display a list of wireless networks which are within connecting proximity of your computer. Select the desired network by clicking on the network name.

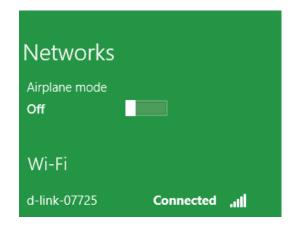


You will then be prompted to enter the network security key (Wi-Fi password) for the wireless network. Enter the password into the box and click **Next**.

If you wish to use Wi-Fi Protected Setup (WPS) to connect to the router, you can also press the WPS button on your router at this point to enable the WPS function.



When you have established a successful connection to a wireless network, the word **Connected** will appear next to the name of the network to which you are connected.



Windows® 7 WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Click on the wireless icon in your system tray (lower-right corner).



2. The utility will display any available wireless networks in your area.

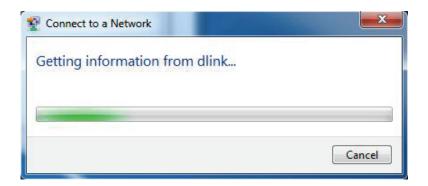


3. Highlight the wireless connection with Wi-Fi name (SSID) you would like to connect to and click the **Connect** button.

If you get a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to the Networking Basics section in this manual for more information.



4. The following window appears while your computer tries to connect to the router.



5. Enter the same security key or passphrase (Wi-Fi password) that is on your router and click **Connect**. You can also connect by pushing the WPS button on the router.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



Windows Vista®

Windows Vista® users may use the built-in wireless utility. If you are using a third-party utility or Windows® 2000, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows Vista® utility as seen below.

If you receive the **Wireless Networks Detected** pop-up, click on the center of the window to access the utility.

or

Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **Connect to a network**.



The utility will display available wireless networks in your area. Select a network (displayed using the SSID) and click the **Connect** button.

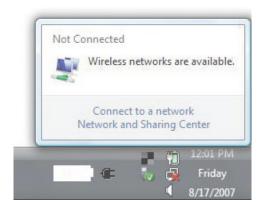
If you have a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.



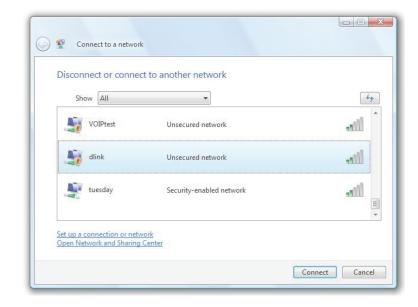
WPA/WPA2

It is recommended to enable wireless security (WPA/WPA2) on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the security key or passphrase being used.

1. Open the Windows Vista® Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower right corner of screen). Select **Connect to a network**.

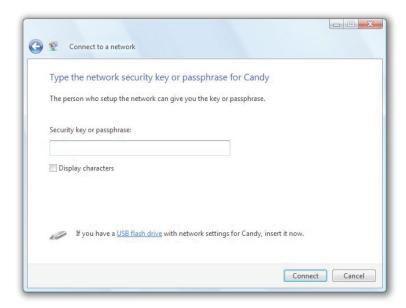


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. Enter the same security key or passphrase that is on your router and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the security settings are correct. The key or passphrase must be exactly the same as on the wireless router.



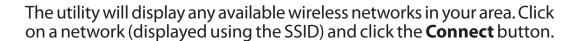
Windows® XP

Windows® XP users may use the built-in wireless utility (Zero Configuration Utility). The following instructions are for Service Pack 2 users. If you are using another company's utility, please refer to the user manual of your wireless adapter for help with connecting to a wireless network. Most utilities will have a "site survey" option similar to the Windows® XP utility as seen below.

If you receive the **Wireless Networks Detected** bubble, click on the center of the bubble to access the utility.

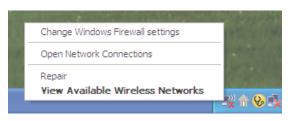
or

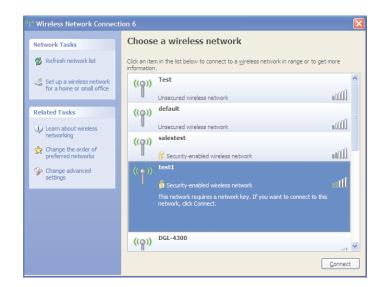
Right-click on the wireless computer icon in your system tray (lower-right corner next to the time). Select **View Available Wireless Networks**.



If you get a good signal but cannot access the Internet, check your TCP/IP settings for your wireless adapter. Refer to the **Networking Basics** section in this manual for more information.



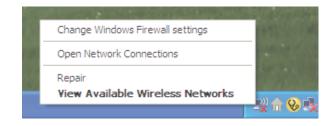




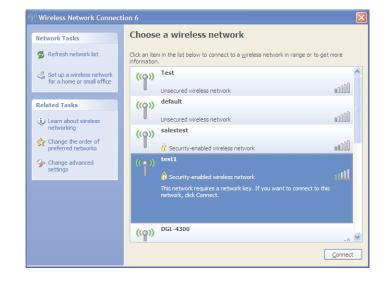
WPA/WPA2

It is recommended to enable WPA on your wireless router or access point before configuring your wireless adapter. If you are joining an existing network, you will need to know the WPA key being used.

1. Open the Windows® XP Wireless Utility by right-clicking on the wireless computer icon in your system tray (lower-right corner of screen). Select **View Available Wireless Networks**.

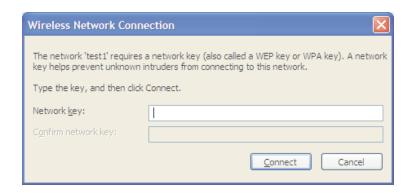


2. Highlight the wireless network (SSID) you would like to connect to and click **Connect**.



3. The **Wireless Network Connection** box will appear. Enter the WPA-PSK passphrase and click **Connect**.

It may take 20-30 seconds to connect to the wireless network. If the connection fails, please verify that the WPA-PSK settings are correct. The WPA-PSK passphrase must be exactly the same as on the wireless router.



Troubleshooting

This chapter provides solutions to problems that can occur during the installation and operation of the DIR-508L. Read the following descriptions if you are having problems. The examples below are illustrated in Windows® XP. If you have a different operating system, the screenshots on your computer will look similar to the following examples.

1. Why can't I access the web-based configuration?

When entering http://dlinkrouter.local., you are not connecting to a website nor do you have to be connected to the Internet. The device has the utility built-in to a ROM chip in the device itself. Your computer must be on the same IP subnet to connect to the web-based utility.

Make sure you have an updated Java-enabled web browser. We recommend the following:

- Microsoft Internet Explorer® 8.0 or higher
- Mozilla Firefox® 12.0 or higher
- Google™ Chrome 20 or higher
- Safari 4.0 or higher

Verify wireless connectivity by checking for solid link lights on the device. If you do not get a solid link light, try using a different device if possible.

Disable any Internet security software running on the computer. Software firewalls such as ZoneAlarm, BlackICE, Sygate, Norton Personal Firewall, and Windows® XP firewall may block access to the configuration pages. Check the help files included with your firewall software for more information on disabling or configuring it.

Configure your Internet settings:

- Go to **Start** > **Settings** > **Control Panel**. Double-click the **Internet Options** Icon. From the **Security** tab, click the button to restore the settings to their defaults.
- Click the **Connection** tab and set the dial-up option to Never Dial a Connection. Click the LAN Settings button. Make sure nothing is checked. Click **OK**.
- Go to the **Advanced** tab and click the button to restore these settings to their defaults. Click **OK** three times.
- Close your web browser (if open) and open it.

Access the web management. Open your web browser and enter the IP address of your D-Link router in the address bar. This should open the login page for your web management.

If you still cannot access the configuration, unplug the power to the router for 10 seconds and plug back in. Wait about 60 seconds and try accessing the configuration. If you have multiple computers, try connecting using a different computer.

2. What can I do if I forgot my password?

If you forgot your password, you must reset your router. Unfortunately this process will change all your settings back to the factory defaults.

To reset the router, locate the reset button (hole) on the unit. With the router powered on, use a paperclip to hold the button down for 10 seconds. Release the button and the router will go through its reboot process. Wait about 60 seconds to access the router. The default IP address is 192.168.0.1 or you may be able to reach the router at http://dlinkrouter.local./ or http://dlinkrouter/. When logging in, leave the admin password box empty.

3. Why can't I connect to certain sites or send and receive emails when connecting through my router?

If you are having a problem sending or receiving email, or connecting to secure sites such as eBay, banking sites, and Hotmail, we suggest lowering the MTU in increments of ten (Ex. 1492, 1482, 1472, etc).

To find the proper MTU Size, you'll have to do a special ping of the destination you're trying to go to. A destination could be another computer, or a URL.

- Click on Start and then click Run.
- Windows® 95, 98, and Me users type in **command** (Windows® NT, 2000, XP, Vista®, and 7 users type in **cmd**) and press **Enter** (or click **OK**).
- Once the window opens, you'll need to do a special ping.
 Use the following syntax:

ping [url] [-f] [-l] [MTU value]

Example: ping yahoo.com -f -l 1472

You should start at 1472 and work your way down by 10 each time. Once you get a reply, go up by 2 until you get a fragmented packet. Take that value and add 28 to the value to account for the various TCP/

C:\>ping yahoo.com = f -1 1482

Pinging yahoo.com [66.94.234.13] with 1482 bytes of data:

Packet needs to be fragmented but DF set.

Ping statistics for 66.94.234.13:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping yahoo.com = f -1 1472

Pinging yahoo.com [66.94.234.13] with 1472 bytes of data:

Reply from 66.94.234.13: bytes=1472 time=93ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=109ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=125ms TTL=52

Reply from 66.94.234.13: bytes=1472 time=203ms TTL=52

Ping statistics for 66.94.234.13:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 93ms, Maximum = 203ms, Average = 132ms

C:\>

IP headers. For example, lets say that 1452 was the proper value, the actual MTU size would be 1480, which is the optimum for the network we're working with (1452+28=1480).

Once you find your MTU, you can now configure your router with the proper MTU size.

To change the MTU rate on your router follow the steps below:

- Open your browser, enter the IP address of your router (192.168.0.1, http://dlinkrouter.local. or http://dlinkrouter) and click OK.
- Enter your username (admin) and password (blank by default). Click **OK** to enter the web configuration page for the device.
- Click on **Setup** and then click **Manual Configure**.
- To change the MTU enter the number in the MTU field and click **Save Settings** to save your settings.
- Test your email. If changing the MTU does not resolve the problem, continue changing the MTU in increments of ten.

4. What happens if the power is cut during firmware upgrade?

If you can't connect to your device or are having a problem connecting to the admin page, your router may be in recovery mode. This is indicated by a steady blinking orange Power/Status LED.

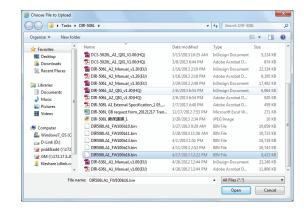
To recover your device:

- Connect an Ethernet cable from the router to your computer.
- Open a web browser and enter the IP of your router (http://dlinkrouter or http://dlinkrouter.local. or 192.168.0.1) and press Enter.
- The page will show D-link Router Recovery Mode. Click Browse to select your current or a newer firmware.
- Click **Open** to load it.
- Click **Upgrade**.

- When the screen shows "Upgrade Successfully", unplug the Ethernet cable and power off and on the device.
- Please refer to "Connecting to Your DIR-508L" on page 13 to setup your router.









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 cellular 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 infrastructure have proven to be beneficial for many users.

Wireless users can use the same applications they use on a wired network. Wireless adapter cards used on laptop and desktop systems support the same protocols as Ethernet adapter cards.

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 Wi-Fi technology is another way of connecting your computer to the network without using wires. Wi-Fi 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 phone work, through radio signals to transmit data from one 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.

Wireless Personal Area Network (WPAN)

Bluetooth is the industry standard wireless technology used for WPAN. Bluetooth devices in WPAN operate in a range up to 30 feet away.

Compared to WLAN the speed and wireless operation range are both less than WLAN, but in return it doesn't use nearly as much power which makes it ideal for personal devices, such as mobile phones, PDAs, headphones, laptops, speakers, and other devices that operate on batteries.

Who uses wireless?

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

Home

- Gives everyone at home broadband access
- Surf the web, check e-mail, instant message, 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 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. The wireless connection in public places is usually called "hotspots".

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

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 same frequency.

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 product manual for detail information on how to set it up.

Wireless Modes

There are basically two modes of networking:

- Infrastructure All wireless clients will connect to an access point or wireless router.
- **Ad-Hoc** Directly connecting to another computer, for peer-to-peer communication, using wireless network adapters on each computer, such as two or more wireless network Cardbus adapters.

An Infrastructure network contains an Access Point or wireless router. All the wireless devices, or clients, will connect to the wireless router or access point.

An Ad-Hoc network contains only clients, such as laptops with wireless cardbus adapters. All the adapters must be in Ad-Hoc mode to communicate.

Networking Basics Check your IP Address

After you install your new D-Link adapter, by default, the TCP/IP settings should be set to obtain an IP address from a DHCP server (i.e. wireless router) automatically. To verify your IP address, please follow the steps below.

In Windows:

Click on **Start** > **Run**.

In the run box type *cmd* and click **OK.** (Windows® 7/Vista® users type *cmd* in the **Start Search** box.)

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.

```
Microsoft Windows XP [Uersion 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\ipconfig
Windows IP Configuration

Ethernet adapter Local Area Connection:

Connection-specific DNS Suffix : dlink
IP Address : : 10.5.7.114
Subnet Mask : : 255.255.255.0
Default Gateway : : 10.5.7.1

C:\Documents and Settings\_
```

Assign a Static IP address

If you are not using a DHCP capable gateway/router, or you need to assign a static IP address, please follow the steps below:

Step 1

Windows® 7 - Click on Start > Control Panel > Network and Internet > Network and Sharing Center.

Windows Vista® - Click on Start > Control Panel > Network and Internet > Network and Sharing Center > Manage Network Connections.

Windows® XP - Click on **Start** > **Control Panel** > **Network Connections**.

Windows® 2000 - From the desktop, right-click **My Network Places** > **Properties**.

Step 2

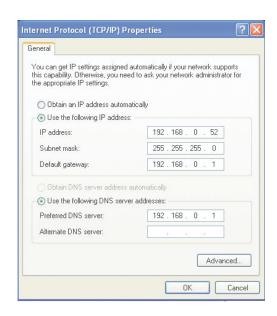
Right-click on the Local Area Connection which represents your network adapter and select Properties.

Step 3

Highlight Internet Protocol (TCP/IP) and click Properties.

Step 4

Click **Use the following IP address** and enter an IP address that is on the same subnet as your network or the LAN IP address on your router.



Example: If the router's LAN IP address is 192.168.0.1 or http://dlinkrouter.local., make your IP address 192.168.0.X where X is a number between 2 and 99. Make sure that the number you choose is not in use on the network. Set the Default Gateway the same as the LAN IP address of your router (I.E. 192.168.0.1 or http://dlinkrouter.local.).

Set Primary DNS the same as the LAN IP address of your router (192.168.0.1 or http://dlinkrouter.local.). The Secondary DNS is not needed or you may enter a DNS server from your ISP.

Step 5

Click **OK** twice to save your settings.

Technical Specifications

Standards

- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- IEEE 802.3u
- IEEE 802.3x

Internet Modes

- Broadband Router Mode
- Mobile Router Mode
- Wi-Fi Hotspot Mode

Wireless Frequency Range 1

• 2.4 GHz to 2.484 GHz

Security

- Wi-Fi Protected Access (WPA/WPA2)
- WPS 2.0 (Wi-Fi Protected Setup)

Advanced Features

- mydlink SharePort app for iPhone, iPad, iPod touch and Android
- SharePort Mobile app for Windows 8/RT
- VPN pass-through
- Guest Zone Support
- UPnP™ (DLNA) Support
- SharePort Web Access Support
- IPv6

Transmitter Output Power IEEE 802.11b:

• 17 dBm at 1, 2, 5.5, 11 Mbps

IEEE 802.11g:

- 18 dBm at 6 to 18 Mbps
- 16 dBm at 24 to 36 Mbps
- 14 dBm at 48 to 54 Mbps

IEEE 802.11n draft 2.0:

18 dBm at MCS0 to MCS3
14 dBm at MCS6 to MCS7
19 dBm at MCS12 to MCS13
16 dBm at MCS4 to MCS5
21 dBm at MCS8 to MCS11
17 dBm at MCS14 to MCS15

Receiver Sensitivity¹ IEEE 802.11b:

-89 dBm at 1 Mbps-85 dBm at 5.5 Mbps-82 dBm at 11 Mbps

IEEE 802.11g:

• -82 dBm at 6 Mbps • -79 dBm at 12 Mbps • -74 dBm at 24 Mbps • -67 dBm at 48 Mbps • -66 dBm at 54 Mbps

IEEE 802.11n HT20(MHz):

• -82 dBm at MCS0, MCS8 • -77 dBm at MCS2, MCS10 • -70 dBm at MCS4, MCS12 • -65 dBm at MCS6, MCS14 • -64 dBm at MCS7, MCS15

IEEE 802.11n HT40(MHz):

• -79 dBm at MCS0, MCS8 • -74 dBm at MCS2, MCS10 • -67 dBm at MCS4, MCS12 • -62 dBm at MCS6, MCS14 • -61 dBm at MCS7, MCS15

¹ Frequency Range varies depending on local regulations

USB Interface

- USB 2.0 Type A
- USB Micro-B

SD Interface

- SD/SDHC/SDXC
- CLASS6/CLASS10/UHS-I

Embedded Battery

- 4000 mAh (Li-ion) power capacity¹
- OCP, OVP, OTP, SCP protection

Electrical

- Power Input: Max 2000 mA
- Max Operating Voltage: 5 V
- Max Power Consumption: 10 W
- USB Output: Max 1000 mA

Operating Temperature

• 0 to 40 °C (32 to 104 °F)

Storage Temperature

•-10 to 45 °C (14 to 113 °F)

Operating Humidity

• 10% to 75% non-condensing

Storage Humidity

• 5% to 75% non-condensing

Certifications

- FCC/IC/CE/C-Tick/NCC
- cUL/LVD/BSMI

Dimensions

• 124 x 59 x 19.8 mm (4.88 x 2.32 x 0.77 inches)

Weight

• 270 g (0.6 lbs)

mydlink SharePort App Supported File Formats for iOS and Android Video:

• .mp4, .mov, .m4v

Music:

•.mp3, .wav, .m4a

Image:

•.jpg, .bmp, .png

Document:

Microsoft Office formats, .pdf

¹ Actual usable capacity may vary depending on charging conditions.

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17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given local legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

Safety Statements

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 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:

- 1. This device complies with Part 15 of the FCC rules/Industry Canada RSS 210 standard. 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.
- 2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
- 3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

IMPORTANT NOTE: (For Mobile Device Configuration)

FCC 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.

IMPORTANT NOTE: (For Portable Device Configuration)
Federal Communication Commission (FCC) Radiation Exposure Statement
This EUT is compliance with SAR for general population/uncontrolled exposure limits in
ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods
and procedures specified in OET Bulletin 65 Supplement C.

This Class [*] digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe [*] est conforme à la norme NMB-003 du Canada.

Industry Canada Caution:

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) il ne doit pas produire de brouillage et
- (2) l'utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fomctionnement du dispositif.

IC IMPORTANT NOTE: (For Mobile Device Configuration)

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 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.

IC IMPORTANT NOTE: (For Portable Device Configuration)

IC Radiation Exposure Statement

This EUT is compliance with SAR for general population/uncontrolled exposure limits in

IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 1cm between the radiator & your body.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain

should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

En vertu de la réglementation de l'industrie du Canada, cet émetteur de radio ne peuvent fonctionner en utilisant une antenne d'un type et maximum (ou moins) Gain approuvé pour l'émetteur par Industrie Canada. Pour réduire risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de sorte que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour la réussite de communication.

附錄(7) 低功率電波輻射性電機管理辦法

第十二條

經型式認證合格之低功率射頻電機,非經許可,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應改善至無干擾時方得繼續使用。前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。