D-Link 4G LTE router DWR-922

Wi-Fi

Device List

This page displays a list of currently-connected wireless clients, and their respective MAC addresses.

Wi-Fi Settings

This page lets you set up your wireless network and choose a wireless security mode. Click Apply to save your settings, or Refresh to revert to your previous settings.

Enable Wireless: Check this box to enable wireless access. When you enable this option, the following parameters take effect.

- **Wireless Network Name:** Also known as the SSID (Service Set Identifier), this is the name of your Wireless Local Area Network (WLAN). Enter a name using up to 32 alphanumeric characters. The SSID is case-sensitive.

- **802.11 Mode:** Select the IEEE 802.11 standard used by your wireless clients.

- **Enable Auto Channel Scan:** Enabling this feature will allow the router to automatically scan for the best wireless channel to use.

- **Wireless Channel:** If Auto Channel Scan is disabled, select the desired channel here.
**Channel Width:** A higher channel width allows for faster data transmission, at the possible expense of wireless coverage and compatibility with older wireless clients. Select the optimum channel width for your wireless network from the drop-down menu.

**Visibility Status:** The default setting is **Visible**. Select **Invisible** if you do not want to broadcast the SSID of your wireless network.

**Security Mode:** Select the desired wireless encryption mode. **WPA/WPA2** is recommended if your clients support it.

If you choose **WEP**, the following options will appear:

**WEP Key Length:** Select whether to use **64-bit** or **128-bit** encryption.

**Authentication:** Select whether to use **Open** or **Shared** authentication.

**WEP Key 1:** Set the WEP key/password for your wireless network. Based on whether you are using 64 or 128-bit encryption, and whether you are using a HEX or ASCII key, you will need to enter different numbers of characters for your key, as indicated below the WEP Key text box. ASCII keys may use letters and numbers only, and HEX keys may use numbers 0-9 and letters A-F only.

If you choose **WPA-Personal**, the following options will appear:

**WPA Mode:** Select whether to use **WPA2 only** or **Auto (WPA or WPA2)**. **WPA2 only** is the most secure, provided that all of your clients support it.

**Cipher Type:** Select whether to use the **TKIP** or **AES** cipher. The **AES** cipher is the most secure, provided that all of your clients can support it.

**Pre-Shared Key:** Enter the key/password you want to use for your wireless network. The key must be between 8 and 63 characters long, and may only contain letters and numbers.
The Wi-Fi Protected Setup page allows you to create a wireless connection between your router and a device automatically by simply pushing a button or entering a PIN code.

**WPS**: Select whether you would like to **Enable** or **Disable** WPS features.

**AP PIN**: If you use Windows 7’s **Connect to a network** wizard to do initial configuration of the router, you will have the option to enter the WPS PIN/AP PIN into the wizard when prompted. The factory default WPS PIN/AP PIN is printed on a label located on the bottom of the router. You can click the **Generate New PIN** button to change it to a randomly generated PIN.

**Config Mode**: Select whether the WPS config mode should be set to **Registrar** or **Enrollee**. In most cases, this should be set to **Registrar** so that you can use WPS to connect new wireless clients.

**Config Status**: If this is set to **CONFIGURED**, the router will be marked as “already configured” to computers that try to use WPS configuration, such as Windows 7’s **Connect to a network** wizard. You can click the **Release** button to change the status to **UNCONFIGURED** to allow for WPS configuration of the router.

If this is set to **UNCONFIGURED**, you can click the **Set** button to change the status to **CONFIGURED** to block WPS configuration of the router.

**Disable WPS-PIN Method**: Enable this option to prevent clients from connecting to the router using the PIN method. If this option is enabled, clients must use the push-button method to connect.
**Config Method:** This lets you choose whether to use the **Push Button** connection method (PBC) or **PIN** method to connect to a wireless client when the **Trigger** button is clicked. If you choose the **PIN** method, you will need to enter an 8-digit PIN number that the wireless client needs to use to connect to your router.

**WPS status:** This will show the current WPS connection process status. Click the **Trigger** button to initiate a WPS connection.

Click **Apply** to save your settings, or **Refresh** to revert to your previous settings.
Wi-Fi Advanced

This page contains settings which can negatively affect the performance of your router if configured improperly. Do not change these settings unless you are already familiar with them or have been instructed to make the change by one of our support personnel.

**Beacon Interval:** Specify a value for the beacon interval. Beacons are packets sent by an access point to synchronize a wireless network. 100 is the default setting and is recommended.

**Transmit Power:** Set the transmit power of the antennas.

**RTS Threshold:** This value should remain at its default setting of 2347. If inconsistent data flow is a problem, only a minor modification should be made.

**Fragmentation:** The fragmentation threshold, which is specified in bytes, determines whether packets will be fragmented. Packets exceeding the 2346 byte setting will be fragmented before transmission. 2346 is the default setting.

**DTIM Interval:** Set the interval for DTIM. A Delivery Traffic Indication Message (DTIM) is a countdown informing clients of the next window for listening to broadcast and multicast messages. The default interval is 1.

**WMM Capable:** WMM (Wi-Fi Multimedia) is a QoS (Quality of Service) system for your wireless network. Enable this option to improve the quality of video and voice applications for your wireless clients.

**TX Rates:** Select the basic transfer rates based on the speed of wireless adapters on your wireless network. It is strongly recommended to keep this setting to Best.
**HT 20/40 Coexistence:**

Check this box to reduce the guard interval to 400 ns. This can increase the throughput rate provided that the delay spread of the connection is also low. However, it can also increase error rate in some installations, due to increased sensitivity to radio-frequency reflections. Select the option that works best for your installation.

Enable this option to reduce interference from other wireless networks in your area. If the channel width is operating at 40 MHz and there is another wireless network’s channel over-lapping and causing interference, the router will automatically change to 20 MHz.

Click **Apply** to save your settings, or **Refresh** to revert to your previous setting.