Setting Up a Wireless Connection via Wi-Fi Protected Setup (WPS) on the RV130W

Objective

Wi-Fi Protected Setup (WPS) is a network security feature that allows clients to easily connect to your wireless network without giving out your actual Wi-Fi password. WPS was designed to help standardize the setup and configuration of wireless security by pushing a button (known as Push-Button Configuration, or PBC) in the RV130W web configuration utility or by typing a PIN code (usually, 8-digit number) in either your client’s device or in the configuration page.

There are three methods that allow you to connect to your wireless network via WPS: WPS push button, WPS PIN number through your client’s device and WPS PIN number through the configuration page on the RV130W.

The WPS push button helps synchronize your client’s device with the RV130W by pressing the WPS push button in your web configuration page while also pressing the WPS push button in your client’s device.

The WPS PIN number is given through the client’s device by pressing WPS PIN entry (WPS PIN entry may be called differently depending on client’s device) and is entered in the web configuration page so the RV130W can easily recognize your client’s device.

The last method is using WPS PIN number through the configuration page on the RV130W. This method is used when your client’s device ask for a device PIN number that you can generate through your configuration page on the RV130W. This method also includes a choice of how long you want the device PIN number to last, you can choose from 0 (static), 20 minutes, 1 hour, 2 hours, 4 hours, 8 hours, or 24 hours.

The objective of this document is to show you how to setup a wireless connection using WPS through WPS push button, WPS PIN number through client’s device or WPS PIN number through the configuration page on the RV130W.

Applicable Devices

- RV130W
Software Version

- v1.0.1.3

Configuring Basic Wireless Settings

Step 1. Log in to the web configuration utility and choose Wireless > WPS. The Wi-Fi Protected Setup page opens:

![Wi-Fi Protected Setup](image1)

Step 2. In the WPS field, click Edit to change the wireless network on which to enable WPS.

![Wi-Fi Protected Setup](image2)

The Basic Settings page opens:

![Basic Settings](image3)
Step 3. Ensure that the WPS option is enabled (or checked) for the desired SSID. For more information about how to configure basic wireless settings, refer to the article Configuring Basic Wireless Settings on the RV130W.

![Wireless Settings Interface](image1)

**Note:** You have to change the default password of the default SSID in the Edit Security Mode page in order to successfully enable WPS.

Step 4. Once you have enabled WPS for a desired SSID, navigate back to the Wi-Fi Protected Setup page and check the information at the bottom of the page. The status of WPS should say Configured

![Wi-Fi Protected Setup Status](image2)

The fields are defined as follows:

- **Wi-Fi Protected Setup Status** — The status determines whether to start a new configuration on the SSID before the wireless client establishes a WPS connection.
- **Network Name (SSID)** — The SSID on which the WPS settings are applied.
- **Security** — The security mode currently used for the selected SSID.

**Connecting via WPS Button**

Step 1. Log in to the web configuration utility and choose Wireless > WPS. The Wi-Fi Protected Setup page opens:
Step 2. Click the **WPS** icon on this page.

A window will appear showing that it is searching for your client device.

**Note:** Your client’s device must support WPS. The *WPS push button* might be called something else depending on your client’s device. Your WPS button should be located somewhere around your Wi-Fi settings. The upcoming screenshots were taken with a device that uses an Android based operating system.

Step 3. Locate the **WPS push button** on your client’s wireless device. The WPS push button helps the router to identify the device that is trying to connect to it.
Step 4. Select the **WPS push button** on the client’s device to start searching for the RV130W.

A *WPS setup* window will appear.
Step 5. Click OK to continue when your client’s device has successfully connected to your RV130W.

Step 6. A message window will appear in your configuration page when your client has successfully connected to your network.
Step 7. Click OK to continue.

Connecting via WPS PIN Number of the Client Device

Note: The WPS PIN Entry button might be called something else depending on your client’s device. Your WPS button should be located somewhere around your Wifi settings. This screenshot was taken with a device that uses an android based operating system.

Step 1. Locate the WPS PIN Entry button on your client’s device.
Step 2. Select the **WPS PIN entry** to get the WPS PIN number.

A *WPS Setup* window will appear with the WPS PIN number.
Step 3. In the *Wi-Fi Protected Setup* page, enter the WPS PIN number of the client device.

2. If your client device has a Wi-Fi protected Setup PIN number, enter that number here 37807467 and then click Register.

Step 4. Click **Register**.

2. If your client device has a Wi-Fi protected Setup PIN number, enter that number here 37807467 and then click **Register**.

The page should automatically refresh when it is connected.
Step 5. On the client’s device click **OK** to continue, when your client’s device has successfully connected to your RV130W.

### Configuring Through PIN Number from this Router

**Step 1.** If a client device requires a PIN number from this router, click **Generate**.

**Step 2.** In the **PIN Lifetime** field, choose the desired lifetime of the key. If the time expires, a new key is negotiated.

**Step 3.** A device PIN helps identify a device that is trying to connect. In the **Device PIN** field, click **Generate** to generate a new device PIN.
Note: The following steps assume that you are using the Windows operating system as your client device. This may differ depending on what type of operation systems you are using.

Step 4. On your client's device, view the available network connections, and select your SSID.

Step 5. A window will appear to type the 8-digit PIN from the router display.

Step 6. Type in the 8-digit PIN that was given from Step 3.
Step 7. Click **Next**.

You will be automatically connected when you have successfully connected to the RV130W on your client’s device.