

How to use the WPS button on Edimax EW-7438RPn to connect to a wifi router.

Thanks for purchasing Edimax EW-7438RPn. We hope this instruction can help you easily setup the extender by using its WPS button.

1. Your wireless router (or wireless access point) has WPS button.
2. Put EW-7438RPn close to your wireless router (or wireless access point).

© 2012 Edimax Computer
3350 Scott Blvd., Building #15
Santa Clara, California 95054, USA
Phone 408-496-1105 • Fax 408-980-1530
www.edimax.us

LED indicators:

LED Name		LED Status	Description
	Signal Strength	On	Excellent signal reception (Signal strength 50 – 100%)
		Flashing	Good signal reception (Signal strength 25 – 50%)
		Flashing Rapidly	Poor signal reception (Signal strength < 25%)
		Off	No signal detected, disconnected, or in LED off mode
	Wi-Fi	Flashing	Connected to existing Wi-Fi network (transferring data)
		Off	Wi-Fi not activated or in LED off mode
	Power	On	Device switched on and correctly powered
		Flashing	Resetting to factory defaults
		Off	Device not powered, not correctly powered, or in LED off mode
	WPS	On	WPS connection established
		Flashing	WPS in progress (waiting for another WPS device's connection)
		Flashing Rapidly	WPS error
		Off	No WPS connection established or in LED off mode
	LAN	On	LAN port connected
		Flashing	LAN activity (transferring data)
		Off	LAN port not connected



Step by step instruction.

	<p>Plug EW-7438RPn to a power outlet. Turn the switch to “On” position. Observe the Power LED which is the third LED. The Power LED should turn solid green in 5 seconds. If you do not have the Power LED turn on, please unplug the EW-7438RPn and plug in again.</p>
	<p>Wait for Wireless LED starting to blink. This may take about 1 minute.</p> <p>The Wi-Fi LED will start to blink. The Power LED is steady On. If you plug in Ethernet cable from PC to the extender, LAN will be on. No other LED is on.</p>
	<p>Press the WPS button for 2 – 3 seconds until you see the WPS LED starts blinking.</p> <p>PS. Do not push the WPS for 10 seconds which will reset the extender to factory defaults. If you see the Wi-Fi LED is off, it is doing factory reset rather than doing WPS connection.</p>
	<p>Go to your wireless router within 2 minutes. Press its WPS button.</p>
	<p>Go back to the Extender. The WPS LED may keep blinking and may take 30 seconds to make connection.</p> <p>If the WPS connection is established, the WPS LED will be steady on and the orange Signal LED will turn on in a few seconds later. Once the wireless connection is successful, the WPS LED will light up for another 5 minutes then turn off. You may plug in a hardwired computer to the extender to verify the connection. Then you can unplug the extender and move to the preferred location. PS. By using WPS button, the extender uses the same ESSID and same wireless encryption with the root wifi network.</p>
	<p>If the WPS connection is not established, the WPS LED keeps blinking and turn off in 2 minutes.</p> <p>Please wait for WPS turn off then try the procedure again.</p>

Wireless computer may not able to distinguish the extender from the main wifi network.

	<p>Left is a screen shot from Windows 7 Control Panel >> View Network Status and Tasks >> Change Adapter Settings. Right click on “Wireless Network Connection”. Click on “Connect/Disconnect”.</p> <p>It displays available wireless networks. Though our main wifi network is named “EdimaxDSL2” and the extender is also named “EdimaxDSL2”, it only displays one wireless connection for EdimaxDSL2.</p>
--	--

Regular wireless users just connect to the wireless network. There is no need to understand the connection is with the Extender or with the main wifi router.

For advanced users who prefer to know which wireless network the computer is connected with.

	<p>Use the wireless utility provided by the wireless card manufacture. Those wireless utility can provide more information than the build-in Windows wireless utility.</p> <p>We installed the wireless utility for our wireless adapter.</p> <p>The Site Survey window displays available wireless networks.</p> <p>We select one wireless network. It shows the MAC Address of the main wireless router (or the wireless extender).</p>
	<p>The MAC address of the extender can be found from the serial number of the extender unit.</p> <p>We can manually connect to either the extender or the main wifi router.</p>