

Wireless-N Range Extender

WAP-5883

Quick Installation Guide



COMTREND

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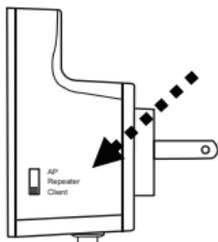
A. Package Contents

Before you start using this Wireless-N Range Extender, please check if there's anything missing in the package, and contact your place of purchase to claim missing items:

- CDROM (QIG/User Manual) (1)
- Wireless-N Range Extender (2)
- RJ-45 Cable (3)
- Printed QIG (4)

1**2****3****4**

B. Select working mode:



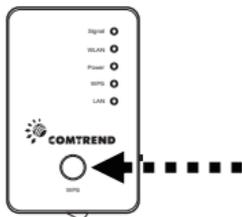
AP (Access Point): Works as a wireless access point for wireless clients

Repeater: Works as a wireless repeater to extend wireless coverage

Client: Works as a wireless network client, to allow other devices to connect to a wireless network

Quick Installation:

While the WAP-5883 is set in either Repeater or Client mode, use the WPS Hardware button on the front of the device to connect to a wireless router or access point quickly and easily. Ensure that both devices are in the same room for first time installation.



- 1) Press and hold the button on the WAP-5883 for 2 seconds
- 2) The 'WPS' LED will start flashing
- 3) Press the WPS button on the access point you wish to connect within 2 minutes

Note:

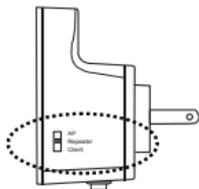
1. In addition to the WPS hardware button setup, you can also login to the user interface for more advanced settings. For detailed setup, see the following pages.

2. For AP mode installation, no WPS pairing is necessary for initial setup. You can, however, use the WPS button to pair other wireless devices with the WAP-5883 when you are ready to associate them to the wireless network.

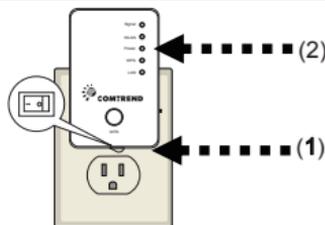
C. Repeater Mode Installation Guide

Repeater mode can extend your wireless signal and coverage, and will help you solve wireless dead zone problems.

For first time setup and installation, move the extender close to the access point you wish to connect to and, after installation is complete, move the device to the place you wish to use it.

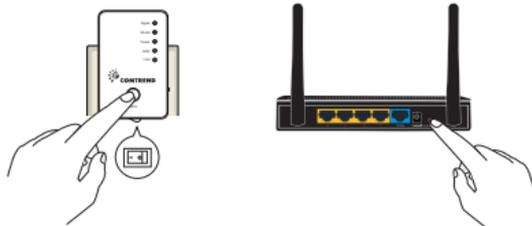


Switch to '**Repeater**' mode.



Plug the WAP-5883 into a power outlet on the wall, and flip the power switch to '**ON**' (1). The '**Power**' LED should light up in a few seconds (2). If not, check if the power outlet you're using is working.

Using the WPS button to establish a fast and secure connection without a computer:



(1) Press and hold the **WPS button** on the extender for 2 seconds, the '**WPS**' LED will start flashing.

(2) Press the **WPS button** on the access point you wish to connect to within 2 minutes. If the access point you wish to connect to does not have a hardware WPS button, you can also use its web configuration menu's WPS function to establish a connection. Or you can login to the WAP-5883's web UI to perform quick setup (detailed setup is explained in the section that follows below).

(3) If the WPS connection is successfully established, the 'WPS' LED will light for 5 minutes; if the 'WPS' LED flashes fast, a problem has occurred, please wait for 2 minutes until the 'WPS' LED is off, and start from step (1) to try again. When quick installation is successful, the 'Signal' LED will turn on.

(4) Please move the extender to the place you wish to use it (the ideal place will be the center of your house), you can check the 'Signal' LED status to understand the signal reception level. Steady light: Excellent, Flashing: Good, Fast flash: poor.

*The following manual is for establishing a connection via the WAP-5883's WEB Interface:

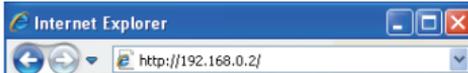
NOTE: By default the Comtrend WAP-5883 has a default IP address of 192.168.0.2. To login through the Web Management interface, your computer (whether connected through wireless or via Ethernet directly to the device) will need to have an IP in the same range: 192.168.0.x. (where x equals any number between 3 and 254). If your network has a different IP range, set your computer to a static IP to configure this device for the first time and set it to match your network settings.



Use an Ethernet cable to connect your computer's Ethernet port and the Wireless-N Range Extender's Ethernet port.

OR

Use your computer's wireless configuration utility to search for an access point named 'comtrend' to connect to.



Open your web browser and input 'http://192.168.0.2' in the address bar. Ensure your computer has an IP in the same range as the WAP-5883 (192.168.0.10 as an example)

Connect to 192.168.0.2 ? X



The server 192.168.0.2 at Default:admin/admin requires a username and password.

Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).

User name:

Password:

Remember my password

The Wireless-N Range Extender will prompt you to input the username and password. The default username is **'admin'** and the default password is **'admin'**. Click the 'OK' button to continue.

Select	SSID	Channel	Encryption	Signal
<input type="radio"/>	Comtrend	1	WEP	80
<input checked="" type="radio"/>	Winchester	4	WEP	64

Setup repeater manually

SSID:

All wireless access points nearby will be displayed in the list. Select the required access point and click the 'Next' button to continue. If the access point you wish to connect to does not appear here, click 'Refresh' until it appears in the list or move the Wireless-N Range Extender closer to the access point to which you wish to connect to.

Security

Please input the wireless encryption key needed to connect to your Access Point or Wireless Router

KEY:

You'll be prompted to input the access point's wireless security key. Input it in the 'KEY' field and click 'Next' to continue.

Connection Successful

Congratulations! Your device is now connected.

Upon successful Connection Test completion the following message will be displayed. Click 'Next' to continue.

Save settings successfully!

Please press APPLY button to restart the system to make the changes take effect.

Connected Access Point SSID : **Winchester**

Device SSID :

Security : **WEP**

The Wireless-N Range Extender will display the connection information for you. If everything's correct, click the 'APPLY' button to get connected.

The 'Device SSID' will be the same as the access point's SSID you connected to in this step.

System Restarting!



5%

Wait for a few moments for the Wireless-N Range Extender to reboot. After rebooting, use your computer to connect to the wireless access point by the SSID you set in the previous step and start using the network.

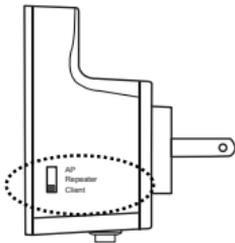
Note: If you wish to run Quick Setup again or had problems logging into the web UI, push the '**WPS**' button for 10 seconds until the '**POWER**' LED starts blinking, and the device will reset to factory defaults.

D. Client Mode Installation Guide

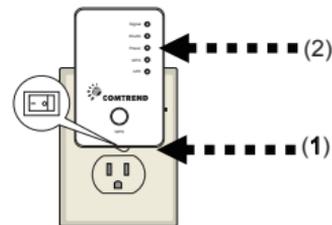
Client mode allows a non-wireless networking device to have wireless capability; it will essentially become your networking device's wireless network adapter. You can connect this device to the Ethernet port of your existing Internet TV, DVD player or game console device with an Ethernet cable.

Setup via WPS button:

- (1) Insert this Wireless-N Range Extender into a power outlet on the wall and switch to '**Client**' mode.
- (2) Use an Ethernet cable to connect it to the Ethernet port of your networking device.
- (3) Follow the same setup procedures "**Using the WPS button to establish connection**" referred to in the "**repeater mode installation guide**" to establish a fast and secure WPS connection without a computer.



Switch to '**Client**' mode.



Plug the WAP-5883 into a power outlet on the wall, and flip the power switch to '**ON**' (1).

You should see the '**Power**' LED light up in a few seconds (2). If not, check if the power outlet you're using is working.



Connect your computer and Wireless-N Range Extender by Ethernet cable.



Open your web browser and input '**http://192.168.0.2**' in the address bar. Ensure your computer has an IP in the same range as the WAP-5883 (192.168.0.10 as an example)



The server 192.168.0.2 at Default:admin/admin requires a username and password.

Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).

User name:

Password:

Remember my password

OK Cancel

The Wireless-N Range Extender will prompt you to input the username and password. The default username is '**admin**' and default password is '**admin**'. Click the 'OK' button to continue.

Select	SSID	Channel	Encryption	Signal
<input type="radio"/>	D439AC5Test	7	WEP	68
<input type="radio"/>	CTMIS3F4	4	WEP	64
<input checked="" type="radio"/>	Winchester	4	WEP	64

Setup repeater manually

SSID:

Refresh Next

All wireless access points nearby will be displayed in the list. Select the required access point and click the 'Next' button to continue. If the access point you wish to connect to does not appear here, click 'Refresh' until it appears in the list or move the Wireless-N Range Extender closer to the access point to which you wish to connect to.

<p>Security</p> <p>Please input the wireless encryption key needed to connect to your Access Point or Wireless Router</p> <p>KEY : 5709D057624C98F98C2B369725</p> <p><input type="button" value="Back"/> <input type="button" value="Next"/></p>	<p>You'll be prompted to input the access point's wireless security key. Input it in the 'KEY' field and click 'Next' to continue.</p>
<p>Connection Successful</p> <p>Congratulations! Your device is now connected.</p> <p><input type="button" value="NEXT"/></p>	<p>Upon successful Connection Test completion the following message will be displayed. Click 'Next' to continue.</p>
<p>Save settings successfully!</p> <p>Please press APPLY button to restart the system to make the changes take effect.</p> <p>Connected Access Point SSID : Winchester</p> <p>Security : WEP</p> <p><input type="button" value="Back"/> <input type="button" value="APPLY"/></p>	<p>Recheck the settings you have made and click 'Apply' to continue.</p>
<p>System Restarting!</p> <p>5%</p>	<p>Wait for a few moments for the Wireless-N Range Extender to reboot. After rebooting, you can connect to the access point and use it to access the network / Internet.</p>
 <p>The diagram shows a wireless range extender on the left with three red Ethernet cables extending to the right. The top cable connects to a Game console. The middle cable connects to a monitor labeled 'Internet TV'. The bottom cable connects to a DVD/Blu-Ray player. The word 'or' is placed between each connection point to indicate alternative options.</p>	<p>Use an Ethernet cable and connect it to the Ethernet port of your networking device.</p>
<p>Note: If you wish to run Quick Setup again or had problems logging into the web UI, push the 'WPS' button for 10 seconds until the 'POWER' LED starts blinking, and the device will reset to factory defaults.</p>	

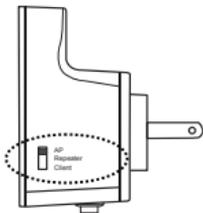
E. AP Mode Installation Guide

In order to build a wireless networking environment, switch the WAP-5883 to (AP) mode and connect it to your wired router or switch.

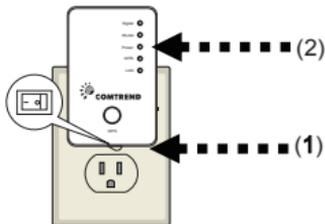
Setup via WPS button:

- (1) Insert the WAP-5883 into a power outlet on the wall and switch to '**AP**' mode.
- (2) Use an Ethernet cable to connect the extender to the Ethernet port of your router or networking switch.

Note: In AP mode, when you try to make a connection with a wireless client using WPS, push the WPS button **twice** on this device within 5 seconds and the '**WPS**' LED will start flashing.



Switch to '**AP**' mode.

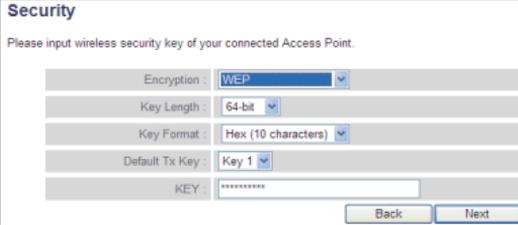


Plug the WAP-5883 into a power outlet on the wall, and flip the power switch to '**ON**' (1).

You should see the '**Power**' LED light up in a few seconds (2). If not, check if the power outlet you're using is working.



Use your computer's wireless configuration utility to search for the access point named '**comtrend**' to get connected.

	<p>Open your web browser and input 'http://192.168.0.2' in the address bar. Ensure your computer has an IP in the same range as the WAP-5883 (192.168.0.10 as an example)</p>
	<p>The Wireless-N Range Extender will prompt you to input the username and password. The default username is 'admin' and the default password is 'admin'. Click the 'OK' button to continue.</p>
	<p>Input an SSID (a name used to identify this access point) in the 'Device SSID' field, and then click the 'Next' button. Default SSID is comtrend.</p>
	<p>Select the security type for the wireless link:</p> <p>Encryption: Disable (no security), WEP, WPA pre-shared key, or WPA RADIUS</p>
<p>WEP encryption: Select key length (64 or 128bit), key format (Hex or ASCII characters), Default Tx Key (by default 'Key 1'), and input key characters (refer to 'Key Format' you selected for number of characters)</p>	

WPA pre-shared key: Select one WPA Unicast Cipher Suite (it is recommended to use the default setting 'WPA(TKIP)'), Pre-shared Key Format: Passphrase (alphanumeric characters) or Hex (64 Hex Characters), and input key characters in the 'KEY' field.

WPA RADIUS: Only use this option if you have a RADIUS authentication server on your LAN. You have to input the RADIUS server's parameters (Server IP, port number, and password).

Save settings successfully!

You may press CONTINUE button to continue configuring other settings or press APPLY button to restart the system to make the changes take effect.

device SSID : **Comtrend**

Security : **Disable**

Recheck the settings you made, and click 'Apply' to continue.

System Restarting!



Please be patient while the device restarts, you can access this Wireless-N Range Extender as a wireless AP after the reboot is complete.

Note: If you wish to run Quick Setup again or had problems logging in to the web UI, push the '**WPS**' button for 10 seconds until the '**POWER**' LED starts blinking, and the device will reset to factory defaults.

LED status:

LED	Color	LED Status	Description
Signal	Amber	Steady ON	Excellent signal reception (Signal strength 100%~50%)
		Blinking	Slow blinking: Good signal reception (50%~25%) Fast blinking: Poor signal reception (<25%)
		Off	Out of signal or disconnected/ or in LED off mode
WLAN	Green	Blinking	Connected to wireless Router/or AP, wireless function is active (transferring or receiving data)
		Off	Wireless network is switched off/ or in LED off mode
Power	Green	Steady ON	Power is turned on / or in LED off mode. (except power LED is on, other LEDs are off *) *If user selects to enable "LED OFF mode", power LED On/Off depends on user's selection, user can select to leave only power LED on or turn off all LEDs including this power LED
		Slow Blinking	Ready for "Reset to factory default", power LED is blinking
		Off	Power is turned off
WPS	Green	Steady ON	When WPS connection is successful, turns on for 5 minutes
		Blinking	WPS is in the process of waiting for another WPS device's connection.
		Quick Blinking	WPS error
		Off	NO WPS is in progress/ or in LED off mode.
LAN	Green	Steady ON	LAN port is connected
		Blinking	LAN port is active (transferring or receiving data)
		Off	LAN port is not connected/ or in LED off mode.

