amped|wireless

GOT QUESTIONS?
Phone: 888-573-8820 or 909-217-3168
Email: techsupport@ampedwireless.com
Web: www.ampedwireless.com/support

SETUP GUIDE

READ FIRST

HIGH POWER AC1200 PLUG-IN
WI-FI RANGE EXTENDER

REC22P

1 Find an Optimal Setup Location Between your Wireless Router & your Wireless Dead Zone

RECOMMENDED SIGNAL STRENGTH
>70%
2.4GHz and 5.0GHz
(if available)

Wi-Fi Range Extender

Internet   Wi-Fi Router   Home/Office Network   Dead Zone

IMPORTANT:

RECOMMENDED SIGNAL STRENGTH
>70%
2.4GHz and 5.0GHz
(if available)

PLACE THE RANGE EXTENDER IN A LOCATION WHERE IT CAN RECEIVE A STRONG SIGNAL FROM YOUR WIRELESS ROUTER.

This can be done before or after setup is complete. The Range Extender will save your settings.

If you are connecting to a dual band router, both 2.4GHz and 5.0GHz connections should be greater than 70%.

2 Connect your PC or Tablet to the Range Extender

Networks
Available
Amped_REC22P_2.4
Amped_REC22P_5.0

a Attach the included antenna.

b Plug the Range Extender into a power outlet.

c Connect to the Range Extender's Wi-Fi network: Amped_REC22P_2.4 or Amped_REC22P_5.0.

Attention Windows Users:
A prompt may appear asking: "Do you want to set up your network?" If so, select "Connect to the network without setting it up" or "No, just connect".

– or –

3 Open your Web Browser

Enter the setup web address into your browser:

http://setup.ampedwireless.com

If the URL fails to open, then try: http://192.168.1.240

Recommended browsers: Google Chrome, Safari or Internet Explorer (8.0 and up). Do not use Firefox.

AmpedWireless - Windows Internet Explorer
http://setup.ampedwireless.com

ACCESSING THE WEB MENU DOES NOT REQUIRE INTERNET ACCESS. THE MENU IS SERVED FROM THE RANGE EXTENDER.

IF YOU HAVE PROBLEMS ACCESSING THE WEB MENU...

a Disconnect your PC from all Wi-Fi networks.

b Attach an Ethernet cable (not included) between the PC and the Range Extender.

c Open your web browser and go to http://setup.ampedwireless.com again.

4 Welcome to the Dashboard

Welcome to the Dashboard
Home Network   Extended Network
NO CONNECTION
Internet   Router   Range Extender
Click Scan to find a Wi-Fi network to extend:
SCAN

The Dashboard will provide you with the current status of the Range Extender.

Click Scan to find available networks to extend.

5 Scan for a Home Network to Extend

Select a Network to Extend
Select your network and click Next below
Rescan for networks

RECOMMENDED SIGNAL STRENGTH
>70%

For Dual Band networks, select both 2.4 and 5.0GHz networks
Connecting to networks with poor signal strength (less than 70%) may cause the connection to be slow or unstable.

5.0GHz Home Network

Home Network	Ch.	Security	Signal
Amped_Wireless_Main	6	WEP-128	98%
Amped_Wireless_31	6	WPA/WPA2	91%
Amped_Wireless_32	3	None	89%
Amped_Wireless_33	8	WPA/WPA2	83%
Amped_Wireless_34	6	WPA	77%
Amped_Wireless_35	10	WPA2	59%
Amped_Wireless_36	1	WEP-64	47%
Amped_Wireless_37	7	WEP-128	33%
Amped_Wireless_38	8	WPA/WPA2	31%

2.4GHz Home Network

Home Network	Ch.	Security	Signal
Amped_Wireless_10	6	WPA/WPA2	98%
Amped_Wireless_14	2	WEP-128	94%
Amped_Wireless_15	3	WPA/WPA2	90%
Amped_Wireless_16	8	None	87%
Amped_Wireless_17	6	WPA	84%
Amped_Wireless_18	10	WPA2	67%
Amped_Wireless_19	1	WPA/WPA2	60%
Amped_Wireless_20	7	None	46%
Amped_Wireless_21	8	WPA/WPA2	30%

Highlight and select the wireless network(s) that you wish to repeat. If you have a dual band router, select BOTH the 2.4GHz and 5.0GHz network names.

>70% Recommended Signal
Select the wireless network with a signal strength greater than 70% for the most reliable connection.

Poor signal connections may cause slow speeds or dropped connections.

Click Next to continue.

If you do not see your desired wireless network, move the Range Extender closer to the router and scan again as it may be out of range.

6 Home Network Security Settings (if necessary)

Security Settings (if necessary)
If the Wi-Fi network (Home Network) that you are trying to connect to has security enabled, then enter the security key below. If your Home Network does not have security, then leave this field blank and click Next.

Home Network   Extended Network
Internet   Router   Range Extender

5.0GHz Wireless Network Security
Selected Network   SSID: Network 2
Home Network Security Key   Leave blank for networks without security

2.4GHz Wireless Network Security
Selected Network   SSID: Network 1
Home Network Security Key   Leave blank for networks without security

If your wireless home network(s) has security enabled, you will need to enter the security key here. If you selected both a 2.4GHz and a 5GHz network to repeat, you will need to enter both security keys here.

If your wireless home network(s) does not have security enabled, leave the security field blank.

Click Next to continue.

7 Configure Settings for your Extended Networks

Extended Network Settings
Home Network   Extended Network
SSID: Amped_REC22P_2.4
SSID: Amped_REC22P_5.0
Internet   Router   Range Extender

Copy settings from your Home Network or manually configure them below: Clone Settings

5.0GHz Extended Network ID (SSID)
Amped_REC22P_5.0

2.4GHz Extended Network ID (SSID)
Amped_REC22P_2.4

5.0GHz Extended Network Security Key
8 Character Minimum
Leave blank for no security

2.4GHz Extended Network Security Ke
8 Character Minimum
Leave blank for no security

The IDs of your Extended Networks are: Amped_REC22P_2.4 and Amped_REC22P_5.0

If you choose to "Clone" the settings from your Home Network, the wizard will copy the SSID and security key of your Home Network.

The SSID of the Extended Network will have a *_RE* at the end of its name. For example: Home_Network_RE

You can also manually enter a new network ID and security key. The new security key must be at least 8 characters long.

Click Next to apply the settings.

The wizard is applying your settings and connecting to the Home Network.

The connection check will complete in 30 seconds.

DO NOT LEAVE OR REFRESH THIS PAGE
Allow the countdown to complete and the wizard will automatically redirect you to the next step.

8 Connect to the New Extended Network

Connect to your Extended Network

1 If you were connected wirelessly to the Range Extender, please reconnect your computer/tablet to the new Extended Network using the settings below:

2.4GHz Extended Wi-Fi:	5GHz Extended Wi-Fi:
Network 2	Network 1
2.4GHz Security:	5GHz Security:
password	password

2 If you were connected using a cable, please check the cable connection.

When reconnected, press OK: OK

If clicking OK does not work after you have reconnected to the Range Extender, try refreshing the web browser. If you still do not have access, turn the Range Extender off and back on, then try again.

During the countdown process, the Range Extender will reboot and disconnect the Wi-Fi connection. At this point, you will need to reconnect your PC or tablet to the new Extended Network. You may connect to either the 2.4GHz or 5.0GHz Extended Network. Follow the instructions on the screen to connect.

Once you have connected, click OK to complete the setup process.

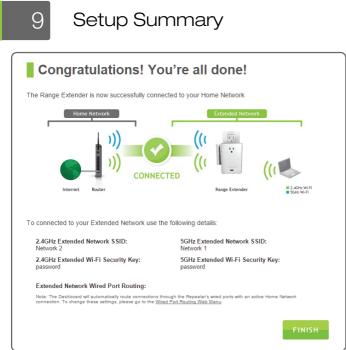If there are problems with your configuration, the setup wizard will inform you to rescan for a network to extend.

If there are no problems, you will see the Setup Summary page.

9 Setup Summary

Congratulations! You're all done!

The Range Extender is now successfully connected to your Home Network.

Home Network   Extended Network
CONNECTED
Internet   Router   Range Extender

To connected to your Extended Network use the following details:

2.4GHz Extended Network SSID:
Network 2
2.4GHz Extended Wi-Fi Security Key:
password

5GHz Extended Network SSID:
Network 1
5GHz Extended Wi-Fi Security Key:
password

Extended Network Wired Port Routing:
Note: The Dashboard will automatically scan somewhere. Change the Repeater's wired port with an active Home Network connection. To change these settings, please go to the Wired Port Routing Web Menu.

FINISH

Congratulations, the Range Extender is now successfully configured. Your settings are now saved.

You may also attach any wired network devices to the wired port on the bottom of the Range Extender.

The wizard will notify you if there is a newer firmware for the Extender. We recommend that you upgrade your Extender at this time if an update is available.

If you experience any problems during this process, please contact Amped Wireless Elite Support:

Phone: 888-573-8820
Email: techsupport@ampedwireless.com
Web: www.ampedwireless.com/support

If you haven't already positioned your Range Extender in an optimal location, you may do so now. All Range Extender settings are saved and can be safely powered off for relocation.

Finding an Optimal Placement Location (Signal Strength LED)

OPTIMAL INSTALLATION
Signal Strength LED helps you find the perfect location

● Green: Excellent Signal 70-100%
● Yellow: Moderate Signal 60-69%
● Red: Poor Signal 59% and below

The Range Extender is equipped with a Signal Strength LED on front of the device to help you find the most optimal location. It may take 1-3 minutes for the LED to register after powering on the Extender. After setup, the LED can be your guide for positioning the Extender to a better location (if needed). We recommend a signal strength of at least 70%, or when the LED is green.

Note: The LED will not turn on if the Extender is not connected to a Home Network.

Connecting to the 5GHz network requires that you have a 5GHz capable network adapter.

How to Connect to the Range Extender

Windows 10
Access the taskbar on the bottom right of your screen, tap on the Wi-Fi icon, enable Wi-Fi, and select Amped_REC22P_2.4 or Amped_REC22P_5.0.

Windows 8
Swipe in from right edge to access the charms bar, tap Settings, select the Wi-Fi icon, and select the Amped_REC22P_2.4 or Amped_REC22P_5.0.

Mac OS X
Click on the Wireless icon to see available wireless networks. Select Amped_REC22P_2.4 or Amped_REC22P_5.0.

iOS
Tap on your Settings icon, select Wi-Fi, and choose the Amped_REC22P_2.4 or Amped_REC22P_5.0.

iPad Tablet
A. Press the "Home" button to get to the homepage.
B. Tap the "Settings" app icon.
C. Tap on Wi-Fi to enter the iPad's Wi-Fi settings.
D. Toggle the Wi-Fi "On/Off" selector switch to "On".
E. Under "Choose a Network...", select: Amped_REC22P_2.4 or Amped_REC22P_5.0.

Android Tablet
A. Tap the "Apps" menu on the tablet screen.
B. Locate and tap the "Settings" app icon.
C. Under "Wireless & networks," tap "Wi-Fi settings".
D. Tap the Wi-Fi box to turn on Wi-Fi and scan.
E. Under "Wi-Fi networks," select: Amped_REC22P_2.4 or Amped_REC22P_5.0.

Wi-Fi Protected Setup (One-Touch Setup or Push Button Configuration)
If your wireless adapter has WPS one-touch setup you can use it when connecting to the Range Extender. Hold down the WPS button on the Range Extender (bottom panel) for 3 seconds. The Power LED will begin to blink. As it blinks, push the WPS button on your wireless adapter or enable WPS with the provided software for your wireless adapter.

Using the Features on your Range Extender

The Range Extender is equipped with many powerful features like BoostBand™ Technology and advanced security features, all of which can be accessed through the web menu:

More Settings
5.0GHz Wi-Fi Settings
2.4GHz Wi-Fi Settings
BoostBand Technology
Network Settings
Management

Web Menu (Left Side)

BOOSTBAND™ Technology
Increase the overall speed and performance of your extended network by streamlining dual band network traffic through a single Wi-Fi frequency band between the Router and the Range Extender.
Menu Location: More Settings > BoostBand Technology

Wireless Access Scheduling
Control when your Wi-Fi is on/off.
Menu Location: More Settings > 2.4 or 5.0GHz Wi-Fi Settings > Access Schedule

User Access Control
Restrict network access to specific users.
Menu Location: More Settings > 2.4 or 5.0GHz Wi-Fi Settings > User Access

Wireless Coverage Control
Adjust the distance of your wireless network.
Menu Location: More Settings > 2.4 or 5.0GHz Wi-Fi Settings > Wireless Coverage

If you are unfamiliar or want more information on how to enable BoostBand™ Technology or the security features on the Range Extender, please refer to the User's Guide on the included CD.

Setting the Range Extender's System Clock

In order for your Access Schedules and logs to perform using the correct time stamps and schedules you will need to set your System Clock. To do so, go under Management access the System Clock tab to sync the System Clock with your computer's time or to sync with the Internet.

Setting a Login & Password for the Web Menu

This login/password is NOT the wireless network key used to connect to your wireless network.

For added security you may want to set a login and password to access the Web Menu. To do this go to More Settings > Management > Password on the left side of the web menu.

If you forget your login and password, you will need to reset the Range Extender back to default settings to access the web menu.

Reset the Range Extender to Default Settings

There are two options to reset the Range Extender back to factory default settings:

1. Access the Reset button through the web menu on the left side under More Settings > Management > Save/Reload Settings. Select the Reset Settings to Default.

2. Access the physical Reset button on the bottom panel of the Range Extender: Hold down the Reset button for five to ten (5-10) seconds. You may need to use a pen tip or pin to access the button. Pressing the Reset button for less than five (5) seconds will simply reboot the Range Extender while saving your existing settings.

Tips: Power Outages, Rebooting Routers & Channel Changes

Wireless routers operate on specific wireless channels to avoid interference with neighboring networks. Some wireless routers are set to automatically scan for the best wireless channel. A power outage or a simple reboot may cause your home wireless router to change its wireless channel, causing the Range Extender to disconnect from your home network. **After a minute or two the Range Extender will automatically reconnect to your Home Network with the new settings.** However, if for whatever reason it does not, simply log onto the Range Extender's web menu by opening your web browser and accessing http://setup.ampedwireless.com. If the page does not load, try resetting the Range Extender by holding down the reset button on the back panel for five to ten seconds. After the Range Extender has rebooted, open your web browser and try again.

When the web menu appears, run through the Wizard again to reconfigure the connection to your Home Network. To prevent the channel changing issue from occurring in the future, you may log onto your router's web menu and set the wireless channel from Automatic to a static channel number. You will need to reconfigure the Range Extender with the new channel. If you are not sure how to access your router's web menu, contact the support department for the brand of your wireless router.

Tips: Autoloading Web Menu

When the Range Extender loses its connection with your Home Network, the Web Menu will automatically load on your web browser. All web address entries will be redirected to the Wizard of the Range Extender. This feature is meant for you to easily reconfigure your Range Extender in the event of a disconnection. This feature may be disabled in the IP Settings menu of the web menu. The feature is titled: Auto-DNS.

Troubleshooting Tips

PROBLEM: I entered http://setup.ampedwireless.com and it failed to open the Web Menu.

SOLUTIONS:
a. Make sure your computer is connected to the Range Extender's Wi-Fi network: "Amped_REC22P_2.4" or "Amped_REC22P_5.0".
b. Try to use a different web browser. We recommend the Google Chrome web browser.
c. Try to open your web browser to the default IP address by putting this number into your web browser instead: 192.168.1.240
d. Power off (unplug) the Range Extender and power it back on. Try again.
e. Reset your Range Extender to default settings by holding the Reset Button (located on the bottom panel) for ten (10) seconds and try again.
f. If steps (a) through (e) fail, disconnect your PC from all Wi-Fi networks. Attach an Ethernet cable between the Range Extender and your PC. Try to access http://setup.ampedwireless.com.

PROBLEM: My Range Extender was working fine previously, but now I can no longer access the Internet through the Range Extender.

SOLUTIONS:
a. The connection to your Home Network may have been dropped or the router settings may have changed. Changes to the router could be a result of several events, such as a power outage. When this occurs, connect to the Range Extender and access the setup menu using the web address: http://setup.ampedwireless.com Run the Wizard to reconnect the Range Extender to your network.
b. Using the setup menu (setup.ampedwireless.com) check to see that the signal strength between the Range Extender and your Home Network is above 70%. The Range Extender may be too far from your router and not maintaining a signal strength above 70%. Check the signal strength between the router and the Range Extender through the web menu (left side): More Settings > Management > Device Status. The Signal Strength readout will be under the Home Wireless Network Settings section. This Signal Strength must be above 70%. If it is below, move the Range Extender closer to your router, or reposition the Range Extender.

PROBLEM: I cannot find my Home Network when scanning for wireless networks in the web menu Scan page.

SOLUTIONS:
a. The Range Extender may be out of range. Move the Range Extender closer towards the wireless router and try the Setup Wizard again from the web menu.
b. Make sure that your Home Network's wireless SSID is broadcasting and not hidden. Hidden SSIDs will require that you manually enter the SSID into the Wireless Settings > Home Network menu.

PROBLEM: I have a dual band router and I cannot repeat a network (or both networks).

SOLUTIONS:
a. The Range Extender will repeat the 2.4GHz and 5.0GHz signal from your router simultaneously. To ensure a reliable and strong connection for both wireless networks, make sure that both 2.4GHz and 5.0GHz wireless networks have a signal strength above 70%. If necessary, reposition the Range Extender closer to the dual band router to help further maintain a strong connection.
b. Check to make sure that you have the correct security key for both the 2.4GHz and 5.0GHz network of your dual band router. These keys may sometimes be different from each other.
c. Ensure that your dual band router does not have any security features enabled, such as MAC address filtering, which may be blocking the connection. If features are enabled, please disable them and run the Wizard again.

PROBLEM: The Signal Strength LED on the front of the Range Extender is not on.

SOLUTIONS:
a. Please check that the Range Extender is connected to a Home Network or router. The Signal Strength LED will not be on if there is no connection to a Home Network.
b. The connection to your Home Network may have disconnected. Please check your connection by accessing the web menu dashboard and reconfigure, if necessary.

If you continue to have issues setting up the Range Extender, give us a call — we're here to help: 888-573-8820
Visit our website for more support information and answers to frequently asked questions: www.ampedwireless.com/support

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