

# SETUP GUIDE

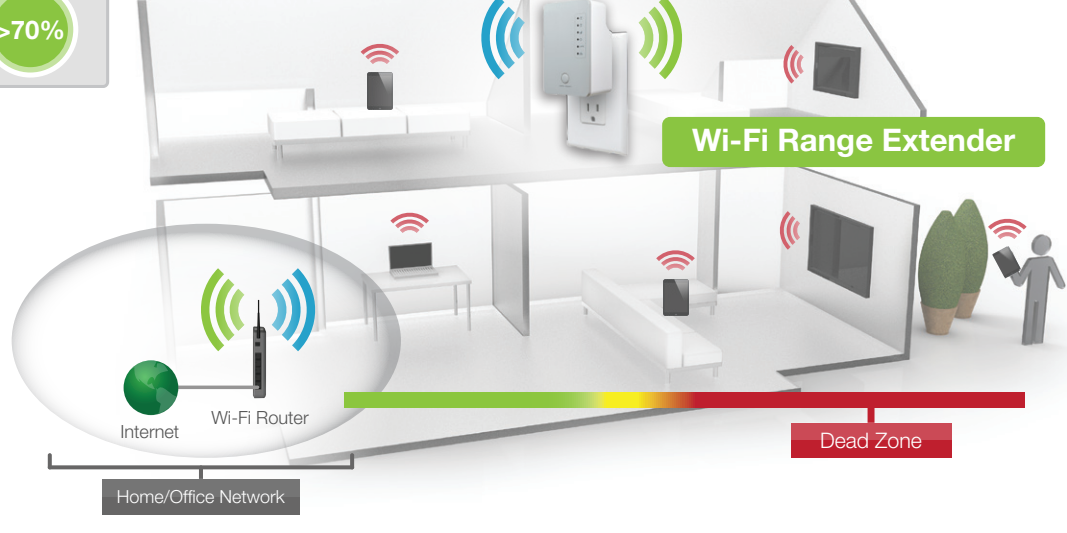
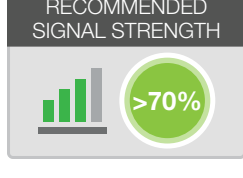
## READ FIRST

### AC1200 PLUG-IN WI-FI RANGE EXTENDER

### B1200EX

Watch the Installation Video here: <http://support.ampedwireless.com/b1200ex>

#### 1 Find a Setup Location About Half-Way Between your Wi-Fi Router & your Wireless Dead Zone



**THE RANGE EXTENDER MUST RECEIVE A STRONG SIGNAL FROM YOUR WI-FI ROUTER.**

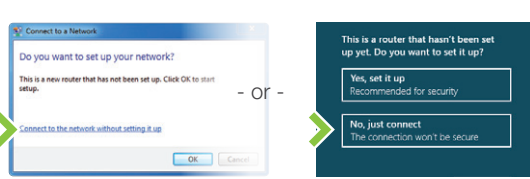
We recommend the signal from your router is >70%. We'll find out the exact strength in Step 6.  
 If you are connecting to a dual band router, both 2.4GHz and 5GHz connections should be greater than 70%.

#### 2 Connect your PC or Tablet to the Range Extender



- a Plug the Range Extender into a power outlet.
- b Connect to the Range Extender's Wi-Fi network: **Amped\_B1200EX\_2.4** or **Amped\_B1200EX\_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".



#### 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.

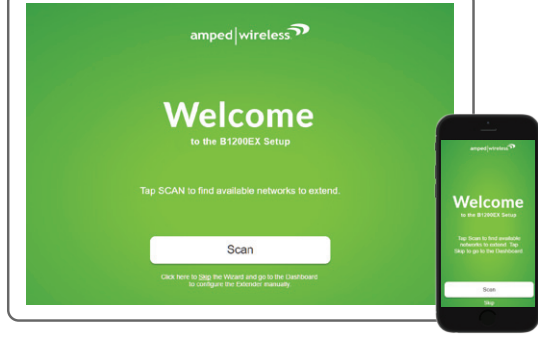
ACCESSING THE WEB MENU DOES NOT REQUIRE INTERNET ACCESS. THE MENU IS SERVED FROM THE RANGE EXTENDER.

#### 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 Setup Wizard



The Setup Wizard will guide you through the setup process.

Click **Scan** to find available networks to extend.

Setup screens for mobile devices will vary from desktop and tablet versions.

#### 5 Scan for a Home Network to Extend

Select a Network to Extend

Select your network and click **Next** below.

Rescan for networks: **RESCAN**

For Dual Band networks, select both 2.4 and 5GHz networks. Connecting to networks with poor signal strength (less than 70%) may cause the connection to be slow or unstable.

5GHz Home Network				2.4GHz Home Network			
Home Network	Ch.	Security	Signal	Home Network	Ch.	Security	Signal
<input type="radio"/> Amped_Wireless_Main	6	WEP-128	98%	<input type="radio"/> Amped_Wireless_13	6	WPAWPA2	98%
<input type="radio"/> Amped_Wireless_01	2	WPAWPA2	95%	<input type="radio"/> Amped_Wireless_14	2	WEP-128	94%
<input type="radio"/> Amped_Wireless_02	3	None	89%	<input type="radio"/> Amped_Wireless_15	3	WPAWPA2	90%
<input type="radio"/> Amped_Wireless_03	8	WPAWPA2	85%	<input type="radio"/> Amped_Wireless_16	8	None	89%
<input type="radio"/> Amped_Wireless_04	6	WPA	81%	<input type="radio"/> Amped_Wireless_17	6	WPA	84%
<input type="radio"/> Amped_Wireless_05	10	WPA2	69%	<input type="radio"/> Amped_Wireless_18	10	WPA2	83%
<input type="radio"/> Amped_Wireless_06	1	WEP-64	67%	<input type="radio"/> Amped_Wireless_19	1	WPAWPA2	80%
<input type="radio"/> Amped_Wireless_07	7	WEP-128	55%	<input type="radio"/> Amped_Wireless_20	7	None	69%
<input type="radio"/> Amped_Wireless_08	8	WPAWPA2	64%	<input type="radio"/> Amped_Wireless_21	8	WPAWPA2	60%

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 5GHz network names.



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

If you see your wireless network listed below 70% or not at all, you will need to move the Range Extender closer to the router and scan again. A poor signal could result in slower speeds or dropped connections.

Click **Next** to continue.

#### 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**.

5GHz Wireless Network Security	2.4GHz Wireless Network Security
Selected Network: <input type="text" value="SSID Network 2"/>	Selected Network: <input type="text" value="SSID Network 1"/>
Home Network Security Key: <input type="text" value="Leave blank for networks without security"/>	Home Network Security Key: <input type="text" value="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**

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

5GHz Extended Network ID (SSID)	2.4GHz Extended Network ID (SSID)
<input type="text" value="Amped_B1200EX_5.0"/>	<input type="text" value="Amped_B1200EX_2.4"/>
5GHz Extended Network Security Key	2.4GHz Extended Network Security Key
<input type="text" value=""/>	<input type="text" value=""/>

8 Character Minimum  
 Leave blank for no security

The IDs of your Extended Networks are: **Amped\_B1200EX\_2.4** and **Amped\_B1200EX\_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.

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

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

The connection check will complete in 30 seconds.

#### 8 Connect to the New Extended Network

**Connect to your Extended Network**

- 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: Amped_B1200EX_2.4	5GHz Extended Wi-Fi: Amped_B1200EX_5.0
2.4GHz Security: password	5GHz Security: password
- If you were connected using a cable, please check the cable connection.

When reconnected, press **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 5GHz 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 below.

#### 9 Setup Summary

**Congratulations! You're all done!**

The Range Extender is now successfully connected to your Home Network

To connect to your Extended Network use the following details:

2.4GHz Extended Network SSID: Amped_B1200EX_2.4	5GHz Extended Network SSID: Amped_B1200EX_5.0
2.4GHz Extended Wi-Fi Security Key: password	5GHz Extended Wi-Fi Security Key: password

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](mailto:techsupport@ampedwireless.com)  
 Web: [www.ampedwireless.com/support](http://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)



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

- Solid Green: Excellent Signal 65-100%
- Blinking Green: Moderate Signal 64% and below
- No Light: No Connection

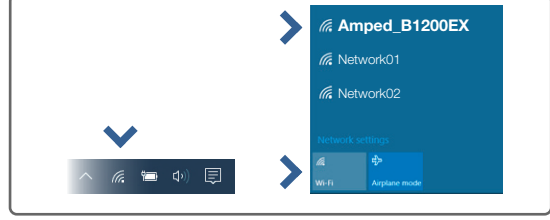
Note: The LED will not turn on if the Extender is not connected to a Home Network.

## How to Connect to the Range Extender

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

### Windows 10

Access the taskbar on the bottom right of your screen, tap on the Wi-Fi icon, enable Wi-Fi, and select [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#).



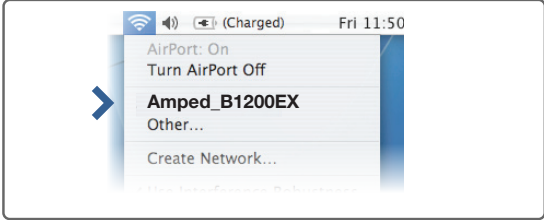
### Windows 8

Swipe in from the right edge to access the charms bar, tap on Settings, select the Wi-Fi icon, and select the [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#).



### Mac OS X

Click on the Wireless icon to see available wireless networks. Select the [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#) network.



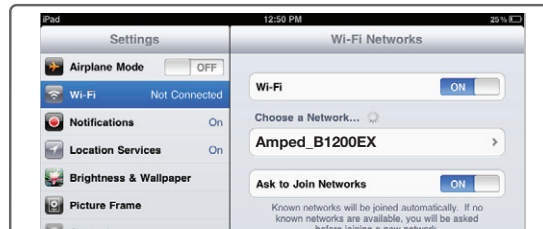
### iPhone

Tap on your Settings icon, select Wi-Fi, and choose the [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#) network.



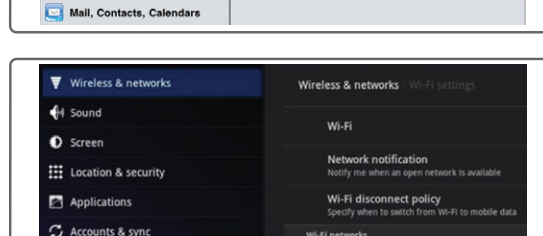
### iPad Tablet

- Press the "Home" button to get to the homepage.
- Tap the "Settings" app icon.
- Tap on Wi-Fi to enter the iPad's Wi-Fi settings.
- Toggle the Wi-Fi "On/Off" selector switch to "On".
- Under "Choose a Network...", select: [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#).



### Android Tablet

- Tap the "Apps" menu on the tablet screen.
- Locate and tap the "Settings" app icon.
- Under "Wireless & networks," tap "Wi-Fi settings".
- Tap the Wi-Fi box to turn on Wi-Fi and scan.
- Under "Wi-Fi networks", select: [Amped\\_B1200EX\\_2.4](#) or [Amped\\_B1200EX\\_5.0](#).



## 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:

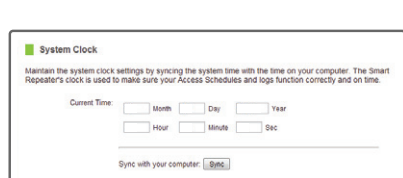
	<b>BOOSTBAND™ Technology</b> Increase the overall speed and performance of your extended network by streamlining dual band network traffic through a single Wi-Fi frequency band between the Router and the Range Extender. <i>Menu Location: More Settings &gt; BoostBand Technology</i>
	<b>Wireless Access Scheduling</b> Control when your Wi-Fi is on/off. <i>Menu Location: More Settings &gt; 2.4 or 5GHz Wi-Fi Settings &gt; Access Schedule</i>
	<b>User Access Control</b> Restrict network access to specific users. <i>Menu Location: More Settings &gt; 2.4 or 5GHz Wi-Fi Settings &gt; User Access</i>
	<b>Wireless Coverage Control</b> Adjust the distance of your wireless network. <i>Menu Location: More Settings &gt; 2.4 or 5GHz Wi-Fi Settings &gt; Wireless Coverage</i>

Web Menu (Left Side)

If you are unfamiliar or want more information on how to enable BoostBand™ Technology or the security features on the Range Extender, please visit the website: <http://support.ampedwireless.com/b1200ex>

## 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.

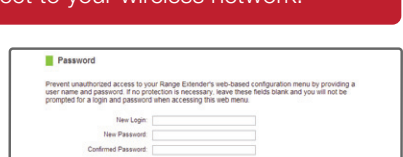


## Setting a Login and Password for the Web Menu

This login/password is NOT the wireless security 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/password, you will need to reset the Range Extender back to default settings in order to access the web menu again. To reset the Extender, hold the Reset button on the Range Extender for 10 seconds.



## 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 for 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.

## 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.

## Additional Range Extender Features



## 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. Press the WPS/Reset button on the Range Extender once, do not hold it down. The WPS 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.



## Reset the Range Extender to Default Settings

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

- 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](#).
- Access the physical WPS/Reset button on the Range Extender: Hold down the Reset button for at least ten (10) seconds. Release when the power LED begins to blink.

## Troubleshooting Tips

- PROBLEM:** I entered <http://setup.ampedwireless.com> and it failed to open the Web Menu.
- SOLUTIONS:**
- Make sure your computer is connected to the Range Extender's Wi-Fi network: "Amped\_B1200EX\_2.4" or "Amped\_B1200EX\_5.0".
  - Try to use a different web browser. We recommend the Google Chrome web browser.
  - Try to open your web browser to the default IP address by putting this number into your web browser instead: 192.168.1.240
  - Power off (unplug) the Range Extender and power it back on. Try again.
  - Reset your Range Extender to default settings by holding the Reset Button (located on the front panel) for ten (10) seconds and try again.
  - 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> again.

- PROBLEM:** My Range Extender was working fine previously, but now I can no longer access the Internet through it.
- SOLUTIONS:**
- 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.
  - Using the setup menu ([setup.ampedwireless.com](http://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:**
- 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.
  - Make sure that your Home Network's SSID is broadcasting and not hidden. Hidden SSIDs will require that you manually enter the SSID into the Wireless Settings > Home Network menu.

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](http://www.ampedwireless.com/support)