

SETUP GUIDE

READ FIRST

HELIOS-EX HIGH POWER™ AC2200 WI-FI RANGE EXTENDER TRI-BAND WITH DIRECTLINK™

RE2200T

Watch the Installation Video here: <http://support.ampedwireless.com/re2200t>

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



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

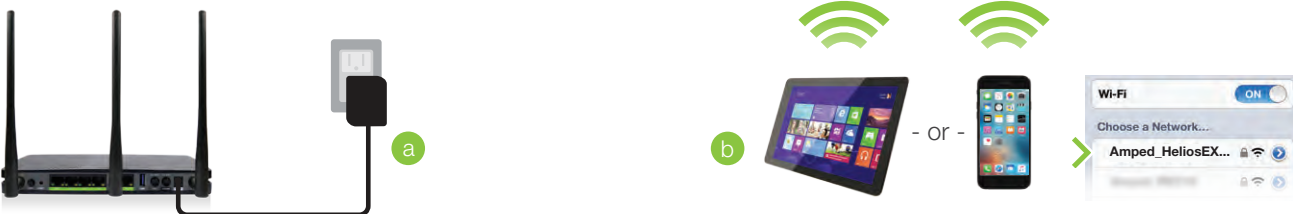
We recommend the signal from your router is >70%. We'll find out the exact strength in Step 6.
 If you are connecting to a dual band router, both 2.4GHz and 5GHz connections should be greater than 70%.

2 Attach the Antennas to the Range Extender



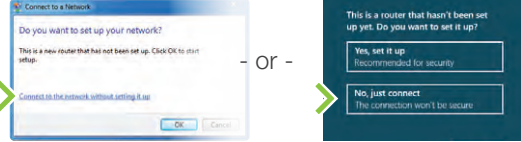
Attach the three included Antennas to the connectors on the back of the Range Extender.

3 Connect your Mobile Device or PC to the Range Extender



- a Attach the Power Adapter to the Range Extender's **PWR** port and an available power outlet.
- b Connect to the Range Extender's Wi-Fi network: **Amped_HeliosEX_2.4** or **Amped_HeliosEX_5.0** (See back for operating system specific instructions.)

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".



4 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.

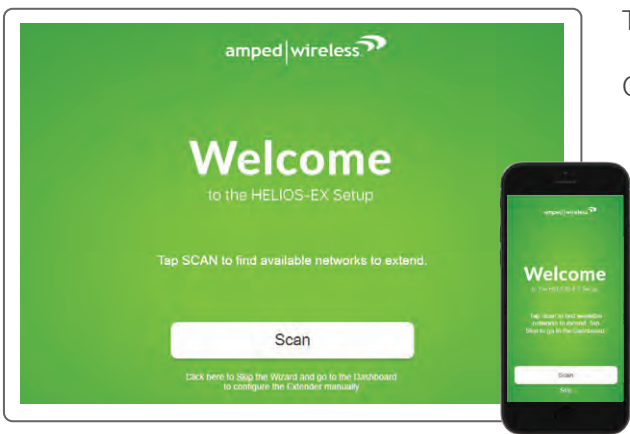
ACCESSING THE WEB MENU DOES NOT REQUIRE INTERNET ACCESS. THE MENU IS SERVED FROM THE RANGE EXTENDER.

IF YOU HAVE PROBLEMS ACCESSING THE WEB MENU...

- a Disconnect your PC from all Wi-Fi networks.
- b Attach an Ethernet cable between the PC and the Range Extender.
- c Open your web browser and go to <http://setup.ampedwireless.com> again.



5 Welcome to the Setup Wizard

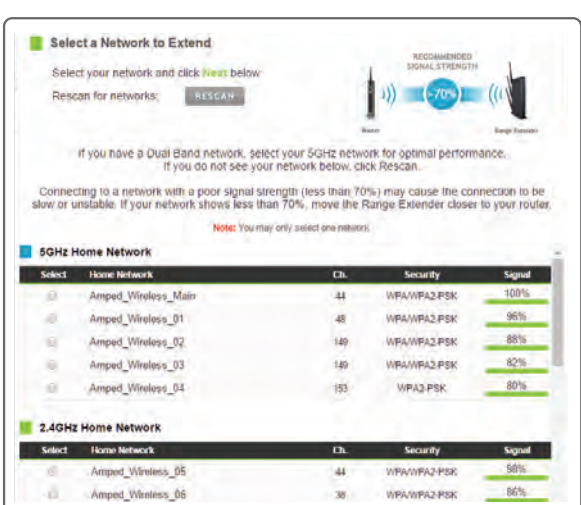


The Setup Wizard will guide you through the setup process.

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

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

6 Scan for a Home Network to Extend



Highlight and select the wireless network that you wish to repeat. If you have a dual band network, select only the 5GHz network

>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, or the signal strength is less than 70%, move the Range Extender closer to the router and scan again as it may be out of range.

7 Home Network Security Settings (if necessary)

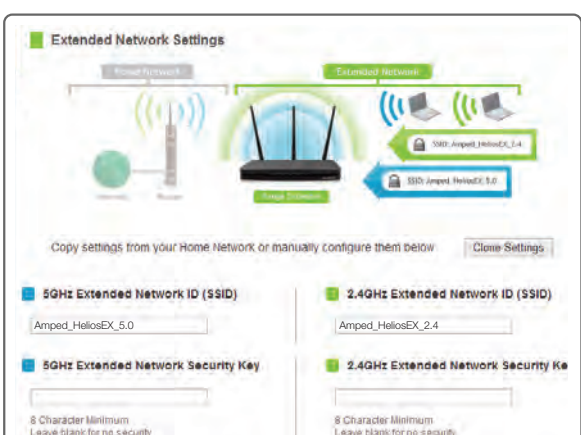


If your wireless home network has security enabled, you will need to enter the security key here.

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

Click **Next** to continue.

8 Configure Settings for your Extended Networks



The IDs of your Extended Networks are: **Amped_HeliosEX_2.4** & **Amped_HeliosEX_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.

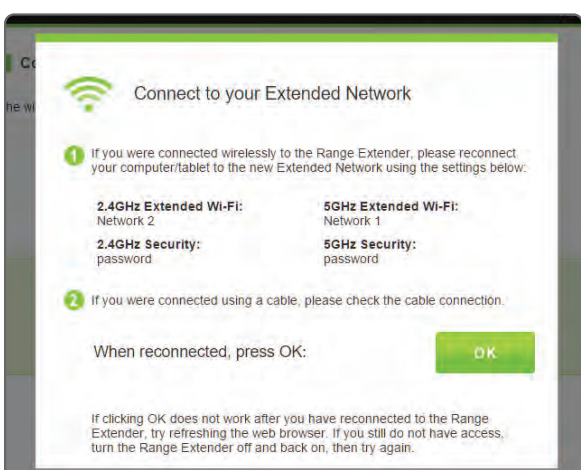
The SSID of the Extended Network will have a "_RE" at the end of its name. For example: Home_Network_RE

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 LEAVE OR REFRESH THIS PAGE
 Allow the countdown to complete and the wizard will automatically redirect you to the next step.

9 Connect to the New 2.4GHz Extended Network



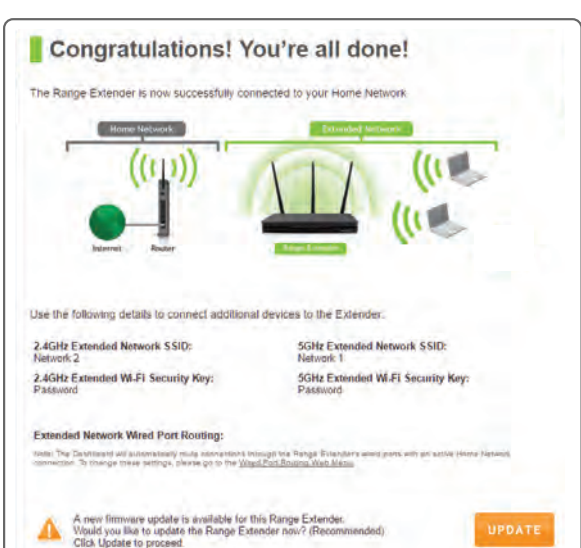
During the countdown process, the Range Extender will reboot and disconnect the Wi-Fi connection. At this point, you will need to reconnect your PC or tablet to the new Extended Network. You may connect to either the 2.4GHz or 5GHz Extended Network. Follow the instructions on the screen to connect.

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.

10 Setup Summary



Congratulations, the Range Extender is now successfully configured. Your settings are now saved. You may also attach any wired network devices to the wired ports on the back 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:

888-573-8820
 techsupport@ampedwireless.com
 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 setup has not been completed first.

How to Connect Wirelessly 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_HeliosEX_2.4** or **Amped_HeliosEX_5.0**. When prompted for a password, enter "wireless".



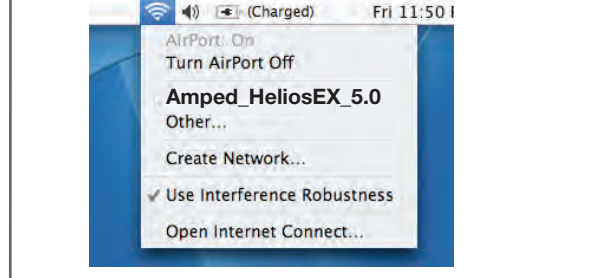
Windows 8

Swipe in from the right edge to access the charms bar, tap on Settings, select the Wi-Fi icon, and select **Amped_HeliosEX_2.4** or **Amped_HeliosEX_5.0**. When prompted for a password, enter "wireless".



Mac OS X

Click on the Wireless icon to see available wireless networks. Select **Amped_HeliosEX_2.4** or **Amped_HeliosEX_5.0** network. When prompted for a password, enter "wireless".



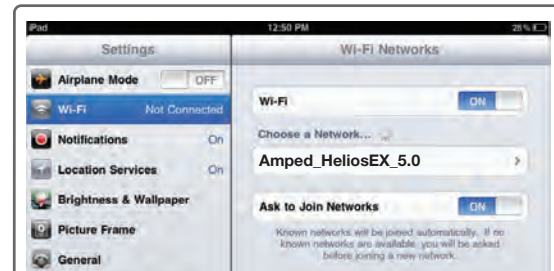
iPhone

Tap on your Settings icon, select Wi-Fi, and choose the network, **Amped_HeliosEX_2.4** or **Amped_HeliosEX_5.0**. When prompted for a password, enter "wireless".



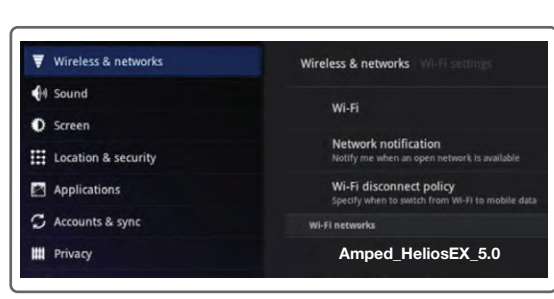
iPad Tablet

- Tap the "Home" button to get to the home page.
- 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_HeliosEX_2.4** or **Amped_HeliosEX_5.0**
- When prompted, enter the wireless security key: "wireless"



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_HeliosEX_2.4** or **Amped_HeliosEX_5.0**
- When prompted, enter the Password key: "wireless"



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 (back panel) for 3 seconds. The Power/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.



Using the Features on the Range Extender

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

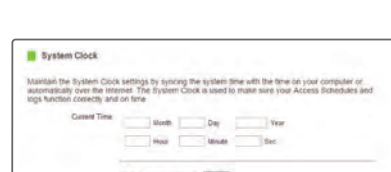
	Wireless Access Scheduling Control when your Wi-Fi is on/off. Location: More Settings > 2.4 or 5GHz Wi-Fi Settings > Access Schedule
	User Access Control Restrict network access to specific users. Location: More Settings > 2.4 or 5GHz Wi-Fi Settings > User Access
	Wireless Coverage Control Adjust the distance of your wireless network Location: More Settings > 2.4 or 5GHz Wi-Fi Settings > Wireless Coverage
	Auto Reboot Automatically reboot the Range Extender at set intervals for maintenance. Location: More Settings > Management > Reboot

Web Menu (left side)

If you are unfamiliar or want more information on the security features of the Range Extender, please visit the website: <http://support.ampedwireless.com/re2200t>

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** and access the **System Clock** tab to sync the System Clock with your computer's time or to sync with the Internet.

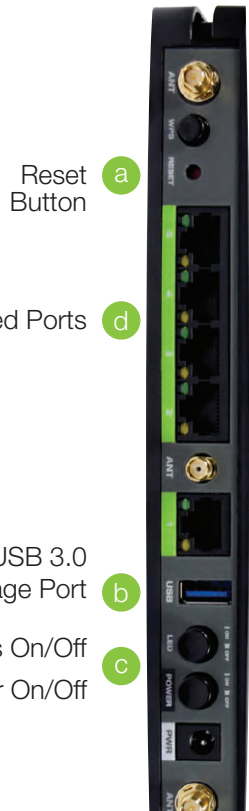


Additional Features

a 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 Reset button on the back 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.



b Share USB Storage Devices

- Connect a USB storage device to the USB 3.0 port.
- Log onto the web menu at <http://setup.ampedwireless.com> and click the **USB Storage** tab.
- Follow the instructions for configuring the settings to share the USB storage device.

c Power & LED Lights On/Off

- Power On/Off:** Push button to quickly turn the Range Extender on or off.
- LED Lights On/Off:** Push button to turn the LED indicators on the front of the Range Extender on or off.

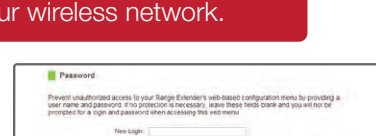
d Wired Port LEDs

- Indicates when a device is connected to a wired port (modem or local network) on the back of the Range Extender. The LED will blink rapidly when wired data traffic is transmitted or received. The green LEDs display when there is an active gigabit connection.

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. To reset the Range Extender to default settings, hold the reset button on the top of the Range Extender for 5-10 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 and cause 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 going to <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 run through the Setup Wizard again.

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 Dashboard of the Range Extender. This redirect feature is meant to notify and help you to easily reconfigure your Range Extender in the event of a disconnection. You may disable this feature through the web menu (left side): **More Settings > Network Settings > IP Settings**. The feature is titled: Auto-DNS.

Troubleshooting Tips

PROBLEM:	I entered setup.ampedwireless.com and it failed to open the web menu.
SOLUTIONS:	<ol style="list-style-type: none"> Make sure your computer is connected to the Range Extender's Wi-Fi network: Amped_HeliosEX_2.4 or Amped_HeliosEX_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 back 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 the Range Extender.
SOLUTIONS:	<ol style="list-style-type: none"> 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) 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 of 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:	<ol style="list-style-type: none"> 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 wireless SSID is broadcasting and not hidden. Hidden SSIDs will require that you manually enter the SSID into the Wireless Settings > Home Network menu.

WARRANTY AND REGULATORY INFORMATION

The Amped Wireless (A division of Newo Corporation, Inc.) Limited Warranty

Warranty Period: The Amped Wireless Limited Warranty is for one (1) year from the date of purchase for new products. Refurbished products carry the Limited Warranty for thirty (30) days after the date of purchase.

Guarantee: Amped Wireless warrants to the original purchaser that the hardware of this Amped Wireless product shall be free of defects in design, assembly, material, or workmanship.

Conditions: The Amped Wireless Limited Warranty is for repair or replacement only at the sole discretion of Amped Wireless. Amped Wireless does not issue any refunds for purchased product. In the event that Amped Wireless is unable to repair or replace a product (i.e. discontinued product), Amped Wireless will offer a credit toward the purchase of a similar product of equal or lesser value direct from Amped Wireless. Any repaired or replacement products will be warranted for the remainder of the original Warranty Period or thirty (30) days, whichever is longer. Amped Wireless reserves the right to discontinue any of its products without notice, and disclaims any limited warranty to repair or replace any such discontinued product. Amped Wireless reserves the right to revise or make changes to this product, its documentation, packaging, specifications, hardware, and software without notice. If any portion of the Amped Wireless Limited Warranty is found to be unenforceable, its remaining provisions shall remain in effect. All costs of shipping the product to Amped Wireless shall be borne solely by the purchaser.

Limitations: IN NO EVENT SHALL AMPED WIRELESS' (NEWO CORPORATION'S) LIABILITY EXCEED THE AMOUNT PAID BY YOU FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, ITS ACCOMPANYING SOFTWARE, ACCESSORIES OR ITS DOCUMENTATION. The Amped Wireless Limited Warranty does not apply if: (a) the product assembly has been opened or damaged, (b) the product or its software or firmware has been altered or modified, (c) the product has not been used and installed in accordance to Amped Wireless' instructions, (d) the product has been subjected to misuse, or negligence. Amped Wireless does not guarantee the continued availability of a third party's service for which this product's use or operation may require. The Amped Wireless Limited Warranty does not protect against acts of God, vandalism, theft, normal wear and tear, obsolescence and environmental damages such as, but not limited to, weather and electrical disturbances. The Amped Wireless Limited Warranty is the sole warranty for this product. There are no other warranties, expressed or, except required by law, implied, including the implied warranty or condition of quality, performance merchantability, or fitness for any particular purpose.

How to Claim Warranty: In the event that you have a problem with this product, please go to www.ampedwireless.com/support to find help on solving your problem. In the event that you cannot and need to file a warranty claim, please call Amped Wireless' Elite Support or visit <http://www.ampedwireless.com/support/center.html#rma> to obtain a Support Ticket Number (obtained from Technical Support Reps), fill out a Return Authorization (RMA) form and obtain a Return Authorization (RMA) number. A dated proof of original purchase and the RMA number is required to process warranty claims. You are responsible for properly packaging and shipping the product at your cost and risk to Amped Wireless. The

bearer of cost related to shipping repaired or replaced product back to the purchaser will be at the sole discretion of Amped Wireless and determined based on the details of each RMA case. Customers outside of the United States of America are responsible for all shipping and handling costs including custom duties, taxes and all other related charges.

Technical Support: The Amped Wireless Limited Warranty is not related to the terms, conditions and policies of Amped Wireless Elite Support offerings. For questions regarding support, please contact techsupport@ampedwireless.com

Regulatory Information

FCC Statement and Declaration: Amped Wireless declares that this device complies with Part 15 of the FCC Rules and Regulations. Operation of this device is subject to the following two (2) conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Notice: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution and Safety Notices: Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. Avoid use of this product near water or during an electrical storm as there may be a remote risk of electrical shock from lightning. This product may contain lead, known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. This device must always be used with a Listed Computer or device.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible. This device is restricted to indoor use when operated in the 5.15 to 5.25 GHz frequency range.

FCC requires this product to be used indoors for the frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems.

FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device is restricted for indoor use.

Industry Canada Statement: This Class B digital apparatus complies with RSS-247 and ICES-003 of the Industry Canada Rules. This device complies with Industry Canada license-exempt RSS standard(s). Operation of this device is subject to the following two (2) conditions:

- (1) This device may not cause harmful interference
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 21cm between the radiator and your body.

The transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

The maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

This device has been designed to operate with an antenna having a maximum gain of 4.03 dBi and 4.58 dBi at 2.4 GHz and 5 GHz respectively. Antenna having a higher gain is strictly prohibited per regulations of Industry Canada. The required antenna impedance is 50 ohms.

This radio transmitter has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Ant.	Brand	Model Name (Product number)	Antenna Type	Connector	Gain (dBi)
1	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	Note 1
2	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	
3	LYNwave	ALA110-091021-000000	PIFA Antenna	I-PEX	
4	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	

Note1:

Ant.	Gain (dBi)			Cable loss			True Gain (dBi)		
	2.4GHz	5GHz Band 1	5GHz Band 4	2.4GHz	5GHz Band 1	5GHz Band 4	2.4GHz	5GHz Band 1	5GHz Band 4
1	5.03	5.59	-	0.8	1.3	-	4.23	4.29	-
2	5.03	5.59	-	0.8	1.3	-	4.23	4.29	-
3	-	-	2	-	-	1.3	-	-	0.7
4	-	-	5.59	-	-	1.3	-	-	4.29

Déclaration d'Industrie Canada : Cet appareil numérique de classe B est conforme aux réglementations RSS-247 et ICES-003 d'Industrie Canada. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. Le fonctionnement de cet appareil est sujet aux deux conditions suivantes:

- (1) Cet appareil ne peut pas causer de brouillage préjudiciable
- (2) Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant provoquer un dysfonctionnement.

Déclaration d'exposition à la radiation : Cet équipement respecte les limites d'exposition aux rayonnements IC définies pour un environnement non contrôlé. Cet équipement doit être installé et mis en marche à une distance minimale de 21 cm qui sépare l'élément rayonnant de votre corps.

L'émetteur ne doit ni être utilisé avec une autre antenne ou un autre émetteur ni se trouver à leur proximité.

Pour les produits disponibles aux Etats-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5850 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

Cet appareil a été conçu pour fonctionner avec une antenne ayant un gain maximum de 4,03 dBi et 4,58 dBi sur les bandes 2.4GHz et 5 GHz respectivement. L'utilisation d'antenne ayant un gain supérieur est strictement interdit par le règlement d'Industrie Canada. L'impédance d'antenne requise est 50 ohms.

Le present emetteur radio a ete approuve par Industrie Canada pour fonctionner avec les types d'antenne enumeres ci-dessous et ayant un gain admissible maximal et l'impedance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est superieur au gain maximal indique, sont strictement interdits pour l'exploitation de l'emetteur.

Ant.	Brand	Model Name (Product number)	Antenna Type	Connector	Gain (dBi)
1	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	Note 1
2	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	
3	LYNwave	ALA110-091021-000000	PIFA Antenna	I-PEX	
4	Cortec	AN2450-5010BRS	Dipole Antenna	Reversed-SMA	

Note1:

Ant.	Gain (dBi)			Cable loss			True Gain (dBi)		
	2.4GHz	5GHz Band 1	5GHz Band 4	2.4GHz	5GHz Band 1	5GHz Band 4	2.4GHz	5GHz Band 1	5GHz Band 4
1	5.03	5.59	-	0.8	1.3	-	4.23	4.29	-
2	5.03	5.59	-	0.8	1.3	-	4.23	4.29	-
3	-	-	2	-	-	1.3	-	-	0.7
4	-	-	5.59	-	-	1.3	-	-	4.29

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Wi-Fi Range Extenders may not work with non-standard Wi-Fi routers or routers with altered firmware or proprietary firmware, such as those from third party sources or some Internet service providers. May not work with routers that do not comply with IEEE or Wi-Fi standards.

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Dispute Resolution / Arbitration

This section describes how you agree to resolve any disputes with Amped Wireless regarding these Terms of Use or your purchase of any product from Amped Wireless and your use of that product. You and Amped Wireless agree to the following resolution process.

To begin with, you agree that any claim that you might have against us regarding these Terms of Use or your purchase of any Amped Wireless product or use of that product must be resolved through binding arbitration before the American Arbitration Association using its Commercial Arbitration Rules. The arbitrator shall have exclusive authority to the extent permitted by law to resolve all disputes arising out of or relating to the interpretation, applicability, enforceability, or formation of our agreement, including, but not limited to, any claim that all or part of this agreement is void or voidable. The arbitrator shall also have exclusive authority to the extent permitted by law to decide the arbitrability of any claim or dispute between you and Amped Wireless.

Because we prefer to resolve our issues with you directly, you agree to arbitrate with Amped Wireless only in your individual capacity, not as a representative or member of a class. As such, your claims may not be joined with any other claims and there shall be no authority for any dispute to be arbitrated on a class-action basis or brought by a purported class representative.

It is important that you understand that the arbitrator's decision will be binding and may be entered as a judgment in any court of competent jurisdiction. If the arbitrator rules against Amped Wireless, in addition to accepting whatever responsibility is ordered by the arbitrator, we will reimburse your reasonable attorneys' fees and costs.

It's important to us that we address any issues you might have promptly. To help us do that, you agree to begin any arbitration within one year after your claim arose; otherwise, your claim is waived.

Unless you and Amped Wireless agree otherwise, any arbitration hearings will take place in the county where you reside. If your claim is for \$10,000 or less, you may choose whether the arbitration will be conducted solely on the basis of documents submitted to the arbitrator, through a telephonic hearing, or by an in-person hearing as established by the AAA Rules. If your claim exceeds \$10,000, the right to a hearing will be determined by the AAA Rules.

If your claim against Amped Wireless is for less than \$10,000, Amped Wireless will pay all arbitration fees. If your claim against Amped Wireless is for \$10,000 or more, you are responsible for paying your own portion of the fees set forth in the AAA's fee schedule for consumer disputes, and Amped Wireless will pay all remaining arbitration fees. If you believe you cannot afford the AAA's fee, you may apply to the AAA for a waiver.

As an exception to this arbitration agreement, Amped Wireless is happy to give you the right to pursue in small claims court any claim that is within that court's jurisdiction as long as you proceed only on an individual basis.

We would hope that our customer service agents could resolve any disputes you have with us without resorting to arbitration. Before initiating any arbitration proceeding, you agree to first discuss the matter informally with Amped Wireless for at least 30 days. To do that, please send your full name and contact information, your concern and your proposed solution by mail to us at: 13089 Peyton Dr. #C307, Chino Hills, CA 91709; Attn: Legal Department.

This Agreement and the rights of the parties hereunder shall be governed by and construed in accordance with the laws of the State of California, exclusive of conflict or choice of law rules.

The parties acknowledge that this Agreement evidences a transaction involving interstate commerce. Notwithstanding the provision in the preceding paragraph with respect to applicable substantive law, any arbitration conducted pursuant to the terms of this Agreement shall be governed by the Federal Arbitration Act (9 U.S.C., Secs. 1-16).

Mailing Address Only

Amped Wireless 13089 Peyton Dr. #C307 Chino Hills, CA 91709

Email: legal@ampedwireless.com