Quick Installation Guide

Wifi Booster / Router / AP

Appearance

LED Explanation

POWER LED	ON: LED light indicates power on OFF: The device is not connected to a power source
WLAN LED	The wireless is ready for connection
WPS LED (round button)	Flashing: WPS mode activated and waiting for connection
LAN LED	ON/OFF: Ethernet cable is connected/disconnected Flashing: Transferring data to/from a network device
WAN LED	ON/OFF: The WAN port is connected/disconnected Flashing: Transferring data to/from a network device

BUTTON AND PORT EXPLANATION

WPS Button (round button below LED indicators): If your host router supports WPS function, simply press WPS button on both the router and the repeater to establish a secure connection between these two devices.
Reset Button: Use this button to restore WIFI DuoBoost to factory default settings. There are two ways to do it:
a) With the repeater powered on, press Reset Button for about 10 seconds and wait for the reboot.
b) Restore the settings on Wifi DuoBoost's Web-based management profile. Choose "Advanced" -> System -> Load default" to complete the reboot.
Power ON/OFF Button: This button is used to turn Wifi DuoBoost on/off.
WAN Port: 10/100Mbps RJ45 Ethernet port can be used in different modes.
a) Wireless Repeater mode. Use it to connect to the Ethernet-enabled device.
b) Router mode. Use it to connect to the DSL/cable modem or the Internet.
c) Access point mode. Use it to connect to the host router or the Internet.
LAN Port: One 10/1000Mbps RJ45 Ethernet port is used to add wireless connectivity to the Ethernet-enabled device such as Internet TV, DVR, gaming console, etc. Please note that this port cannot be used to connect to the router.

Operating Modes

1 Wireless Router Mode (Default)
This mode allows you to connect to the Internet via WAN port. Other terminal devices can connect to this router by wireless connection or establish a wired connection via LAN port.

2 Client Mode
Use this mode for wired-only Ethernet-enabled devices. It is suitable for connecting Smart TVs, games consoles, or computers to your wireless network.

3 Repeater Mode
This mode allows you to extend your wireless signal. Connect your router to the Wifi booster using a wireless connection. The user terminal can also connect to the booster using wired or wireless connection.

4 Access Point Mode
Connect uplink router's LAN port by a wired connection. The user terminal can connect to this repeater by wireless connection.

5 WISP Client Router Mode
This repeater can be connected to an uplink wireless router using a wireless connection, and extend wireless signal at the same time.

Repeater mode (recommended): Quick setup using wps button

Note: your host router should support WPS.
WPS is an easier way to connect your Wifi DuoBoost to your router. It is recommended to use this method if your host router has a WPS button.
The button might look like one of these:

Otherwise, please set up using a web browser.
1. Press the WPS button on your host router.
2. Press and hold the WPS button on the repeater.
3. You will be able to see a new Wifi network on your computer which is set to be xxx_ext ("xxx" indicating host router's SSID) and the security key is the same as your host router's WIFI key.

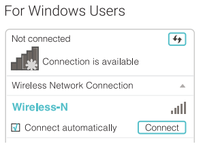
Quick setup using a web browser

1 Power on

Plug Wifi DuoBoost into a wall outlet and wait until the WLAN LED is blinking.

2 Connect

For Windows Users

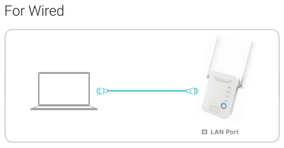


Disconnect your Ethernet (wired) connection from your computer. Click the Wi-Fi icon on the taskbar and connect to the Repeater's network. (e.g. Wireless-N).

For Mac OS X Users

Disconnect the Ethernet (wired) connection from your computer (if any). Click the Wi-Fi icon in the top right corner of the screen, and connect to the Repeater's network (e.g. Wireless-N).

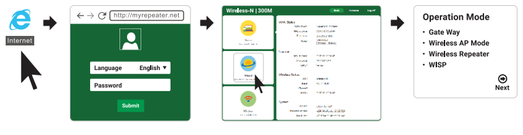
For Wired



Disable the Wi-Fi on your computer. Connect your computer to the repeater via an Ethernet cable.

3 Configure the Repeater Mode

1. Open a web browser and type http://myrepeater.net or 192.168.1.254 in the address field, and wait for a login window to appear. Select your language from a dropdown list and enter password to log in. The default password is admin.
2. Choose the Wizard mode to quickly configure your repeater. Select "Wireless Repeater Mode" and press "Next".
3. Your Wifi DuoBoost is ready to use! Enter your Wifi password to start browsing.

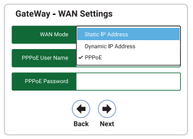


Wireless AP Mode

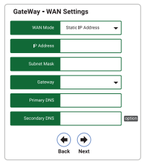
If Wireless AP Mode is selected, The Wireless settings page will appear as shown below.
SSID - Enter a value up to 32 characters. The same name of SSID (Service Set identification) must be assigned to all wireless devices in your network.
The default SSID is set to be Wireless-N.
Security - you can choose the security type on the drop down list. The default setting is OPEN.
Security key - Wireless Password, When WPA/WPA2PSK is set as the Security Type, You can enter ASCII characters between 8 and 63 characters or 8 to 64 Hexadecimal characters.
Click Apply to complete setup.

Gateway Mode (Default)

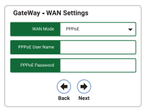
If Gateway mode is selected, choose WAN Connection type from the WAN drop-down menu and start the configuration.



a) If the connection type is Dynamic IP Address, Please click Next to continue.



b) If the connection type is Static IP Address, the next screen will appear as shown below.
Configure the following parameters and then click Next to continue.



c) If the connection type is PPPoE, the next screen will appear as shown below.
Configure the following parameters and then click Next to continue.

IP Address - This is the WAN IP address as seen by external users on the Internet (including your ISP). Enter the IP address into the field.
Subnet mask - The Subnet Mask is used for the WAN IP address, it is usually 255.255.255.0.
Gateway - Enter the gateway IP address into the box if required.
Primary DNS - Enter the DNS Server IP address into the box if required.
Secondary DNS (option) - If your ISP provides another DNS server, enter it into this field.
PPPoE User Name - Enter the User Name provided by your ISP.
PPPoE Password - Enter the Password provided by your ISP.
SSID - Enter a value up to 32 characters. The same name SSID(Service Set Identification) must be assigned to all wireless devices in your network. The default SSID is set to be Wireless-N.

Security - you can choose the security type on the drop-down list. The default setting Is OPEN.
Enter SSID and Security, then click Apply to complete setup.
Note: Do not close this window, the window will automatically close when setup is complete.

Wireless Repeater Mode

If Wireless Repeater Mode is selected, The Wireless Repeater(WDS) page will appear as shown below.

Select the SSID of the target network and insert Repeater SSID and the key of your network. The default Repeater SSID is set to be xxxx_Ext (xxxx indicates The Main Router's wireless network name).
Then click Apply to complete setup.
Note: The Security Key is the same as your Wireless Router.

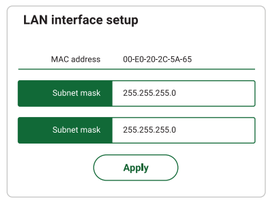
WISP Mode

If WISP is selected, The Wireless ISP (APClient) page will appear as shown below.

Select the SSID of the target network and insert Repeater SSID and the key of your network. The default Repeater SSID is set to be xxxx_Ext (xxxx indicates The Main Router's wireless network name).
Then click Apply to complete setup.
Note: The Security Key is the same as your Wireless Router.

Change Default Access

Default access of Wifi DuoBoost is http://myrepeater.net, and the default IP address is 192.168.1.254.
Click "Advance -> Internet -> LAN Settings" on the homepage, and the following message will appear:

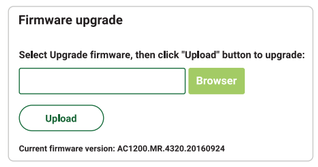


Click Apply to save the settings
Note: If you change the IP Address of LAN or Domains, you must use the new IP Address or Domains to log in the router.

Firmware Upgrade

The system software used by Wifi DuoBoost is called "firmware". You can use the firmware upgrade function to add new features to you repeater and fix the existing bugs.

1. Click "Advance -> System -> Upgrade Firmware" on The homepage, and the following message will appear:



2. Click "Browse" - you will be prompted to provide the filename of the firmware upgrade file.
3. Select firmware upgrade file, click "Upload". The firmware upgrade procedure will start automatically, and it might take a few minutes.

Frequently Asked Questions (FAQ)

Q1. I cannot access Wifi DuoBoost's web management page. What should I do?
• If you are connected wirelessly, make sure that you are connected to the repeater's SSID.
• If you are connecter via Ethernet cable, please make sure the connection is stable.
• Make sure your computer is set to obtain an IP address and DNS server address automatically.
• Make sure that http://myrepeater.net or http://192.168.1.254 is entered correctly and press "Enter".
• Please reset the repeater and try again.
Q2. MAC filter, wireless access control, or access control list (ACL) are enabled on my host router. What should I do before configuring and using the repeater?
• If you have those function enabled on your host router, you may need to disable them first. After that, simply follow the quick setup to complete the configuration.

FCC Caution:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into 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.

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