RANGEXTD TRIFI

TriFi Dual Band WiFi Booster

Instruction Manual

V2

Introduction

RangeXTD TriFi Dual Band WiFi Booster can be used for providing WiFi service in big areas for home and commercial use. It can take an existing 802.11ac wireless signal of your wireless router to repeat and extend its range. It supports 2.4GHz and 5GHz WiFi wireless network connections, and it can support transmission speeds of up to 300Mbps and 433Mbps respectively. RangeXTD TriFi uses 3 antennas: The left and right antennas work with 2.4GHz signals while the center antenna works with 5GHz signals, for long range and fast speeds, all without channel conflicts.

Package Contents

- RangeXTD TriFi Dual Band WiFi Booster (the device)
- 1 x Instruction Manual
- 1 x Ethernet Cable
- 3 x Antennas (installed)

Hardware Overview

Scan the QR code for the URL:

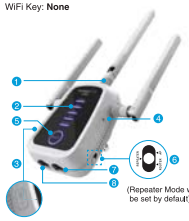
Default Parameters

Default IP: **192.168.10.1** or URL: **http://ap.setup**

Login Password: **admin**

WiFi SSID: **RangeXTDTriFi_2.4G** or **RangeXTDTriFi_5G**

WiFi Key: **None**



(Repeater Mode will be set by default)

1. Removable Antenna
2. Indicator Lights
3. WPS Button
4. Reset Pinhole Button
5. Performance Boost/ ECO Mode Button & Indicator Light Ring
6. Mode Selector
7. WAN/LAN Port
8. LAN Port

WPS Button:
Press once to initiate WPS mode, press and hold WPS button for **6 seconds** to activate WPS search mode on your device (on Repeater Mode).

Reset Pinhole Button:
Press for 3 seconds to reset the device.

Note: Having an open wireless network can be a security risk as it may allow anyone who is close enough to your router/repeater/AP to access your network. To make your home wireless network more secure, please change your Security Type after setup.

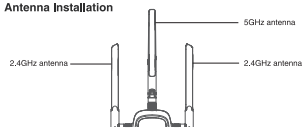
LED Indicators

POWER/WPS	**ON:** The device is power on. **OFF:** The device is not receiving electrical power. **Slow Flashing:** The device WPS is waiting for client connection. **Fast Flashing:** The device is connecting to your AP/Router.
LAN WAN/LAN	**ON:** The Ethernet port is connected. **OFF:** The Ethernet port is disconnected. **Flashing:** Data is being transferred.
WiFi	**ON:** WiFi is available. **OFF:** WiFi is unavailable.

Performance Mode/ECO mode

Mode	Performance	LED Indicator
Eco Mode	Normal	LED Ring Off
Boost Mode	25% Boost	LED Ring On

Antenna Installation



Installing/Removing Antenna: To remove an antenna, rotate the mounting ring counterclockwise. When installing the antennas, make sure to match the antenna type with the proper terminal.

Antenna Installation		
2.4GHz Antenna	5GHz Antenna	2.4GHz Antenna
Left	Center	Right

Getting Started

Setting up a Wireless Infrastructure Network

For a typical wireless setup at home (as shown below), please do the following:

WIRELESS REPEATER MODE

The device copies and reinforces the existing wireless signal to extend the coverage of the signal. This mode is especially useful for a large space to eliminate signal-blind corners. This mode is fit for a large house, office, warehouse, or other spaces where the existing signal is weak.

WIRELESS AP MODE

The device is connected to a wired network then transforms the wired Internet access into wireless so that multiple devices can share the Internet. This mode is fit for office, home and places where only wired network is available.

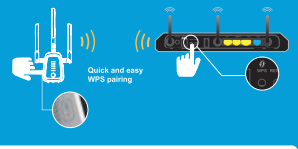
ROUTER MODE

The device is connected to a DSL or cable modem and works as a regular wireless router. This mode is fit for an environment where Internet access from DSL or cable modem is available for one user but more users need to share the Internet.

CONFIGURING THE WIFI REPEATER MODE

Configure the WiFi Repeater Mode using the WPS Button

This is the easiest way to configure the device. First, check whether your wireless router supports WPS. For further details, please read the operating instructions for your wireless router.



Tips: If you want to ensure a stable connection between your RangeXTD TriFi and your router using repeater mode, ensure your TriFi is installed in a suitable position. You can find a suitable position to place your TriFi by checking the WiFi signal on your smartphone. If the signal is below 2 bars, suggest you change the location of TriFi until you find a place with a stronger signal strength.

STEPS

1. The mode selector on the device must be set to the **"Repeater"** position for Repeater Mode.
2. Plug the device into a wall socket to turn on.
3. Press once to initiate WPS mode, press and hold WPS button for **6 seconds** to activate WPS search mode on your device. The WPS LED will slowly flash for approx. 2 minutes.
4. Within these 2 minutes, please press the WPS button of your Wireless Router directly for **2~3** seconds. (For further details, please read the operating instructions for your wireless router.)

The device will then automatically connect to your wireless router and will remember the network going forward. The WiFi password you use to connect with the RangeXTD TriFi is the same as the password you would normally use for your normal router.

You can configure the WiFi Repeater Mode by connecting it with your computer/laptop with enclosed ethernet cable or wirelessly.

A. Configure the WiFi Repeater Mode wirelessly

A1. The mode selector must be set to the **"Repeater"** position for Repeater Mode. Plug the device into a wall socket to turn on.

A2. Click on the network icon (or) on the bottom right of your desktop. You will find the signal from the **RangeXTDTriFi_2.4G** or **RangeXTDTriFi_5G**. Click on **'Connect'** then wait for a few seconds.

A3. Open your browser and type **192.168.10.1** or **http://ap.setup** in the browser address box (or scan the below QR code). This number is the default IP address for this device.

Note: If you cannot enter the original IP address (192.168.10.1 or http://ap.setup), you will need to reset your RangeXTD TriFi. Simply press the reset pinhole button for 3 seconds, and try again.

A4. The login screen below will appear. Enter the default password **"admin"** and then click **"Login"**.

A5. The System Setup screen will appear. Select the country region and timezone, and enter a new login password to replace the default **"admin"** password. Click **"Next"** to continue. After the whole setup, you can log back into TriFi by using your new password.

A6. After logging in, you will see the web page below. Click on the Wizard.

A7. From the list, select your WiFi network and enter your password.

Completing the entry, click on the **"Connect"** button.
Now, your TriFi is connected to your WiFi router. You can now connect to the extended WiFi.

B. Configure the WiFi Repeater Mode with an Ethernet Cable

B1. Plug the device into a wall socket to turn on. Connect your computer / laptop with the device with the included ethernet cable.

B2. Follow the process outlined in **A3 to A7** to configure the device.

CONFIGURING THE WIFI AP MODE

Use the AP Mode to obtain a "wireless access point". Your WiFi-enabled devices will connect with the RangeXTD TriFi in this mode.

You can also use this mode, for example, to make a formerly non-wireless-enabled router wireless-enabled.

STEPS

1. The mode selector must be set to the **"Access Point"** position for AP Mode.
2. Plug the device into a wall socket to turn on. Connect your router with the device with the included ethernet.
3. Click on the network icon (or) on the bottom right of your desktop. You will find the signal from the **RangeXTDTriFi_2.4G** or **RangeXTDTriFi_5G**. Click on **'Connect'** then wait for a few seconds.
4. Open your web browser and type **192.168.10.1** or **http://ap.setup** (scan the QR code) in the browser address box. This number is the default IP address for this device.
5. The login screen below will appear. Enter the default password **"admin"** and then click **"Login"**.

尺寸: 105 x 155mm
105銅版紙彩色, 折疊
(完成後再對摺放入盒內)

6. The following message will be displayed on your web browser, Enter a new network name (SSID), and then, choose a Security Type and create a new WiFi password.

7. Click the "**Apply**" button and the device will restart.
After the reboot has been completed, please go to your device WLAN settings and connect to the new WiFi network.

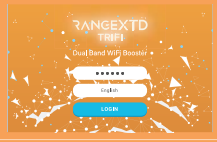
SSID	The name of your WiFi network
Security Type	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, and WPA/WPA2 encryption methods.
Security Key	The WiFi Password of the device

CONFIGURING THE WIFI ROUTER MODE

The RangeXTD TriFi is connected to a DSL or cable modem and works as a regular wireless router. This is useful for if you want more users to share your internet wirelessly using your DSL or cable modem.

STEPS

1. The mode selector must be set to the "**Router**" position for Router Mode.
2. Plug the device into a wall socket to turn on. Connect your DSL Modem with the device with included ethernet cable.
3. Click on the network icon (or) on the bottom right of your desktop. You will find the signal from the **RangeXTDTriFi_2.4G** or **RangeXTDTriFi_5G**. Click on '**Connect**' then wait for a few seconds.
4. Open web browser and type **192.168.10.1** or **http://ap.setup** (scan the QR code) in the browser address box. This number is the default IP address for this device.
5. The login screen below will appear. Enter the default password "**admin**" and then click '**Login**'.



6. If **Dynamic IP** is selected, your TriFi gets the IP Address automatically from your Router or ISP DHCP server, it's automatic so you won't need to enter any additional information.

Enter the wireless parameters that you'd like to use. It's recommended that you rename an SSID, choose a Security type and enter a WiFi password.

SSID	The name of your WiFi network
Security Type	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, and WPA/WPA2 encryption methods.
Security Key	The WiFi Password of the device

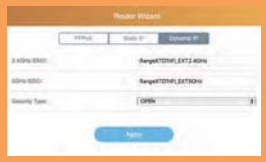
When finished, click "Apply", and the TriFi will restart and will be ready for use shortly.

7. If **Static IP** is selected, please enter the IP Address, Subnet Mask, Default Gateway, DNS, etc.

Enter the wireless parameters that you'd like to use. It's recommended that you give a network name, choose a Security type, and enter a WiFi password.

When finished, click "Apply", and the TriFi will restart and will be ready for use shortly.

8. **Choose your WAN connection type.**
If **PPPoE (ADSL Dial-up)** is selected, please enter the Account and Password from your ISP. These fields are case-sensitive.



Enter the device wireless parameter. It's recommended that you rename an SSID, choose a Security Type and enter a WiFi password.

When finished, click "Apply", and the TriFi will restart and will be ready for use shortly.

Management via Web Browser

Wireless Base Configuration

Please follow the following instructions: Click "Wi-Fi >Wi-Fi Setup" located in the web management interface. The following message will be displayed on your web browser:

You can configure the Wireless settings for communication, such as Network Name (SSID).

Wireless Status	Wireless On/Off
SSID	Wireless Network Name
Security Type	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, and WPA/WPA2 encryption methods.
Security Key	The Password of the AP/Router

When finished, click "Apply", and the TriFi will restart and will be ready for use shortly.

Change Management Password

The default password for your TriFi is "admin", and it's displayed on the login prompt when accessed from web browser. There's a security risk if you don't change the default password, since everyone can see it. This is very important when you have wireless function enabled.

To change the password, please follow the following instructions:

1) Click "**Setup > Login Password**" in the management settings interface
2) Follow the prompt below

Click "**Apply**" button, and the device will log off.

If you forgot your existing password, you can reset the password by clicking the reset pinhole button on the side of the device and holding it for 3 seconds (or until all the lights turn on) and then unplug the device.

Firmware Upgrade

Just like any applications on your computer, when you replace the old application with a new one, your computer will be equipped with new functions. You can also use this firmware upgrade to add new functions to your router, or even fix any bugs that may be present.
Click "**Setup > Upgrade Firmware**" located in the management setting interface, and then the following message will be displayed on your web browser:

Click the "**Select File**" button first; you'll be prompted to provide the filename of firmware upgrade file. Please download the latest firmware file from our website, and use it to upgrade your router.

After a firmware upgrade file is selected, click the "**Apply**" button, and the device will start the firmware upgrade procedure automatically.
The procedure may take serveral minutes, please be patient.

Note:
- Never interrupt the upgrade procedure by closing the web browser or physically disconnecting your computer from the device. If the firmware you uploaded is interrupted, the firmware upgrade will fail; contact customer support for assistance if needed.
- The warranty will be voided if the upgrade procedure is interrupted.

Factory Reset
To revert the device back to factory settings:
1. Turn on your TriFi.
2. Push and hold the pinhole reset button for 3 seconds.

Difficulties with setting up your device?
We are here to help!

Please visit https://support.myrangextd.com/ or scan the below QR code for any urgent inquiries!

CE

WEEE Directive & Product Disposal
At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

FCC Warning
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 inte rference received, including interference that may cause undesired operation.
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 interferenceto 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.

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 and your body.

ISEDC RSS warning :

This device complies with ISEDC licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference,including interference that may cause undesired operation of the device.
Le pr é sent appareil est conforme aux CNR d'ISEDC applicables aux appareils radio exempts de licence. L exploitation est autoris é e aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radio é lectrique subi, m ê me si le brouillage est susceptible d'en compromettre le fonctionnement.

ISEDC Radiation Exposure
Statement:
This equipment complies with ISEDC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.
Cet appareil estconforme aux limitesd'exposition de rayonnement RF ISEDC
ê tabliespour un environnement non contrôl é .
Cet é metteur ne doit pas ê tre co-implant é oufonctionner en conjonction avec toute autreanterne ou transmetteur. Industrial cellular router doit ê tre install é et utilis é avec une distance minimale de 20cm entre leradiateur & votre corps.

尺寸: 105 x 155mm
105銅版紙彩色, 折疊
(完成後再對摺放入盒內)