RANGEXTD WiFi Range Extender Instruction Manual

May 9, 2021August 28, 2022

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RANGEXTD

RANGEXTD WiFi Range Extender

RANGEXTD WiFi Range Extender

Introduction

RangeXTD is best used on Repeater Mode by extending your existing 802.11n wireless WiFi signal to black spots around your home or workplace. On Router Mode It can also be used as a WiFi router when wired to your modem or on AP Mode when wired to your existing wireless router. RangeXTD supports 2.4G wireless network connection, and it can support 2.4G transmission speeds of up to 300Mbps. It has 2X built-in antennas and provides excellent wireless performance, transmission rates and stability technology automatically avoids channel conflicts using its channel selection feature.

Package Contents

- 1 x WiFi Extender/AP/Router (the device)
- 1 x Instruction Manual
- 1 x RJ45 Cable

Hardware Overview

Default Setting

- URL: **192.168.7.234**
- Login Password: **admin**
- Wi-Fi SSID: **RANGEXTD**
- WiFi Key: None

1. Power On/Off
2. WPS Button
3. Mode Selector
4. Reset Pinhole Button
5. WAN/LAN Port
6. LAN Port
7. 3 Stage WiFi Signal Indicators
8. Power/WPS LED Indicator
9. WAN/LAN LED Indicator
10. LAN Indicator
11. AC Power Plug

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).

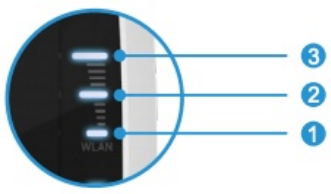
Reset Pinhole Button:

Press and hold 3 Seconds to reset the device.

LED Indicators

POWER/WPS	**ON:** The Device is power on **OFF:** The Device is not receiving electrical power **Slow Flashing:** The Device WPS waiting client connection **Fast Flashing:** The Device connecting to your AP/Router
LAN	**ON:** The Ethernet port is connected
WAN/LAN	**OFF:** The Ethernet port is disconnected **Flashing:** Data transferring

WiFi Signal Strength Indicators (refer to the diagram on the right)



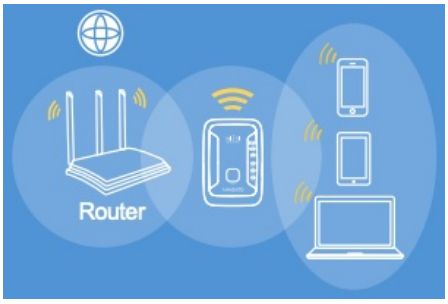
Mode	1	2	3	Description
AP/Router	**ON**	**ON**	**ON**	Wi-Fi Signal output power 100%
Repeater	**ON**	**ON**	**ON**	Excellent reception signal strength 50% to 100%
	ON	**ON**	**OFF**	Good reception signal strength 25% to 50%
	ON	**OFF**	**OFF**	Weak reception signal strength below 25%
	Flashing	**OFF**	**OFF**	Disconnected

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 spots. This mode is best 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 best used when there is intereference between rooms like a basement. Extend wired connection from router to device in basement to gain wireless signal to that area.

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 via 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. If your router does not have a WPS button, skip this page and follow the next page “Configure via Web Browser”.

Tips: If you want to keep the stable connection between your router and RangeXTD on **REPEATER** mode, please install the device at a suitable position.

You can find a suitable position by checking the signal indicator on the device, if the LED is below 2 levels, please find new location.

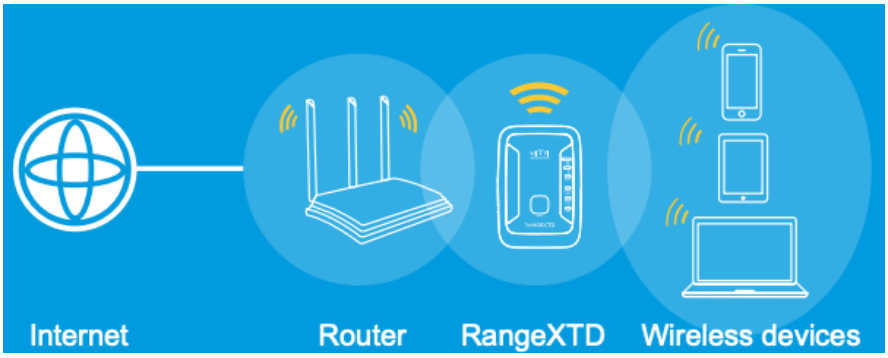
STEPS

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. Turn on the device.
3. Press the WPS button for **1-2** seconds on the device. The WPS LED will slowly flashing 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.)

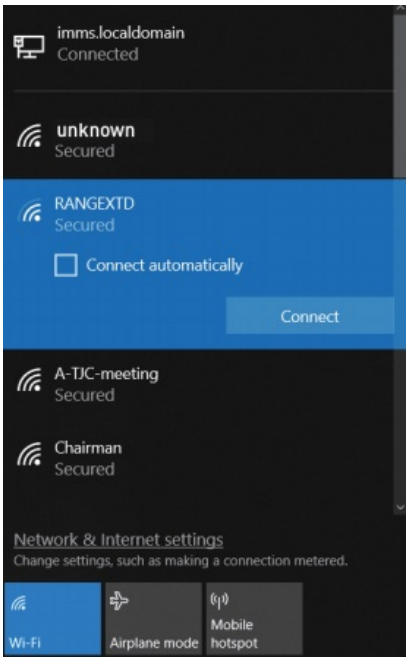
The device will then automatically connect to your wireless router and copy the wireless key settings. The device’s WiFi password will be the same as your AP/ Router. After you have finished rebooting, please go to your smart device (ie: phone, computer, TV, TV box, etc) WLAN setting to connect to the new SSID.

Configure via Web Browser (if no WPS button on router)

If your wireless router does not support WPS, you can configure the WiFi Repeater Mode by connecting it with your smartphone/tablet/computer/laptop with enclosed RJ45 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. Turn device on.

A2. Click on the network icon (or) on the right bottom of your desktop. You will find the signal called **RANGEXTD**. Click on `**Connect**' then wait for a few seconds.

A3. When connected, open your web browser and enter **192.168.7.234** in the browser address box. This number is the default IP address for this device.

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

A5. After logging in, you will see the web page below, click on the " **Repeater**" button to start setup.

A6. From the list, select a WiFi SSID. After having selected a WiFi SSID, you must then key in the password of that wireless router. You can also give a new name for your RANGEXTD repeater.

When entered, click on the “Apply” button to configure and reboot. After the reboot, please go to your device WLAN setting, connect to the new WiFi SSID.

B. Configure the Wi-Fi Repeater Mode with RJ45 Cable.

B1. Plug the Device into a wall socket. Turn on device. Connect your computer / laptop with the Device with RJ45 Cable.

B2. Follow process A3 to A6 to configure the Device.

⚠

Resetting RANGEXTD

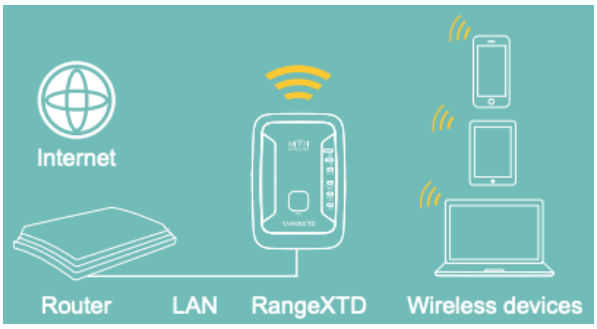
To restore factory default settings, press and hold the RESET pinhole button for 10 seconds and then release, the indicators will all turn off. After you reset your device, unplug the it for 3 seconds. Plug it back in and wait about 30 seconds, then check your WiFi network for the network called ‘RANGEXTD’ on your computer or mobile device.

*If your device is already configured to your network, you cannot access the default IP address (**192.168.7.234**). You must reset the device to access again.

Scan the below QR code for video instructions.

CONFIGURING THE WIFI AP MODE

Use the AP Mode to obtain a “wireless access point”. The wireless end devices will connect to the RANGEXTD 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 “**AP**” position for Access Point Mode.
2. Plug the device into a wall socket. Turn on device. Connect your router with the Device with RJ45 cable.
3. When connected, open your web browser and enter **192.168.7.234** in the browser address box.
4. This number is the default IP address for this device. The login screen below will appear. Enter the default password “**admin**” and then click “**Login**”.

5. After logging in, you will see the web page below, click on the “AP” button to start setup.

6. The following message will be displayed on your web browser: Enter the device wireless parameter. It’s recommended that you rename an SSID, choose an Authentication Mode and create a WiFi Password.

SSID	Create the wireless SSID/Name of the device
Authentication Mode	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, WPA/WPA2 encryption methods.
Password	Create a password for the device

Click on “**Apply**” button, the device will restart.

After the reboot has been completed, please use your smart device’s (smartphone/tablet/computer/laptop etc) WLAN setting to connect to new WiFi SSID that you created.

Resetting RANGEXTD

To restore factory default settings, press and hold the RESET pinhole button for 10 seconds and then release, the indicators will all turn off. After you reset your device, unplug the it for 3 seconds. Plug it back in and wait about 30 seconds, then check your WiFi network for the network called ‘RANGEXTD’ on your computer or mobile device.

*If your device is already configured to your network, you cannot access the default IP address (**192.168.7.234**). You must reset the device to access again.

Scan the below QR code for video instructions.

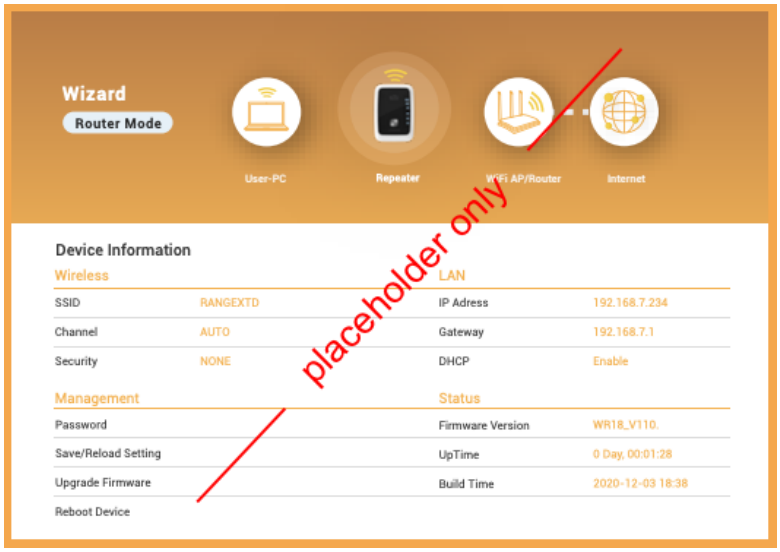
CONFIGURING THE WIFI ROUTER MODE

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

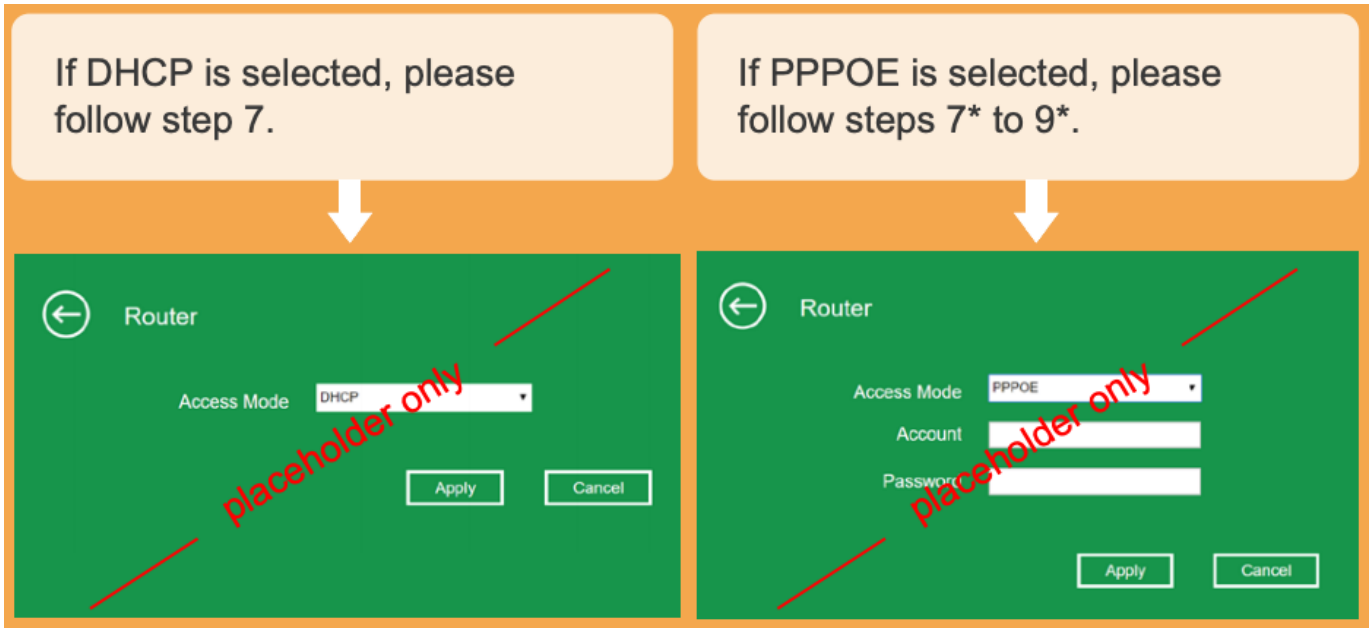
STEPS

1. The mode selector must be set to the “Router” position for Router Mode.
2. Plug the Device into a wall socket.
3. Connect your DSL Modem with the Device with RJ45 Cable.
4. When connected, open your web browser and type **192.168.7.234** 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. After logging in, you will see the web page below, click on the “Router” button to start setup.



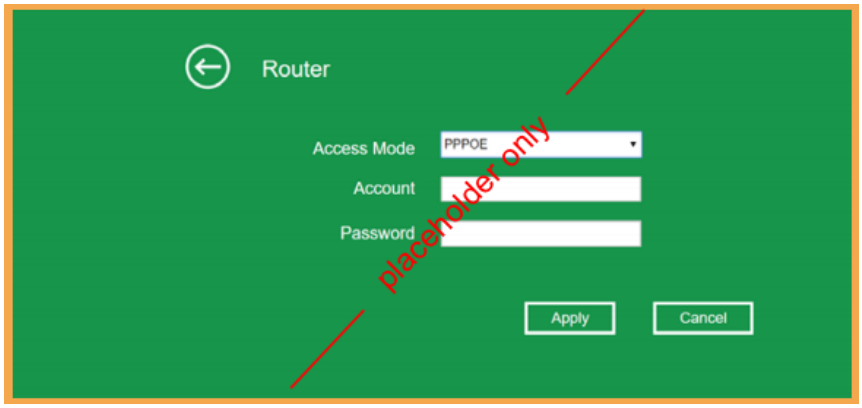
Choose your WAN Connection Type.



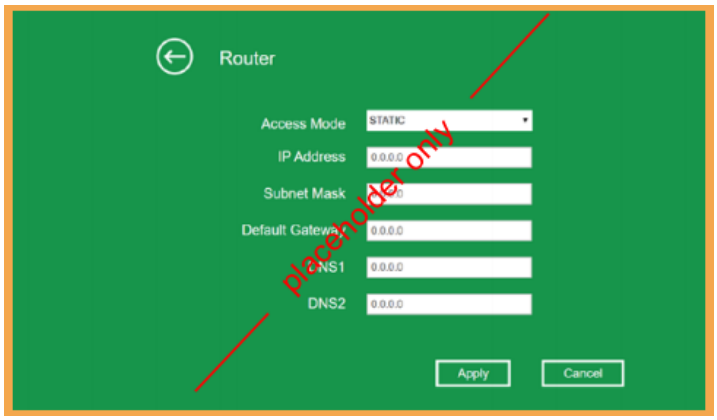
7. Enter the device wireless parameter. It's recommended that you rename an **SSID**, choose an **Authentication Mode** and create a **WiFi Password**. Click "**Apply**" button, it will restart. Wait for a few seconds the Device is ready for use.

SSID	Create the wireless SSID/Name of the device
Authentication Mode	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, WPA/WPA2 encryption methods.
Password	Create a password for the device

7*. 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.



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



9. * Enter the device wireless parameter. It's recommended that you rename an **SSID**, choose an **Authentication Mode** and create a **WiFi Password**. Click "**Apply**" button, it will restart. Wait for a few seconds the Device is ready for use.

SSID	Create the wireless SSID/Name of the device
Authentication Mode	Setup the wireless security and encryption to prevent unauthorized access and monitoring. Supports WPA, WPA2, WPA/WPA2 encryption methods.
Password	Create a password for the device

Click on "**Apply**" button, the device will restart.

After the reboot has been completed, please use your smart device's (smartphone/tablet/computer/laptop etc) WLAN setting to connect to new WiFi SSID that you created.

Resetting RANGEXTD

To restore factory default settings, press and hold the RESET pinhole button for 10 seconds and then release, the indicators will all turn off. After you reset your device, unplug the it for 3 seconds. Plug it back in and wait about 30 seconds, then check your WiFi network for the network called "RANGEXTD" on your computer or mobile device.

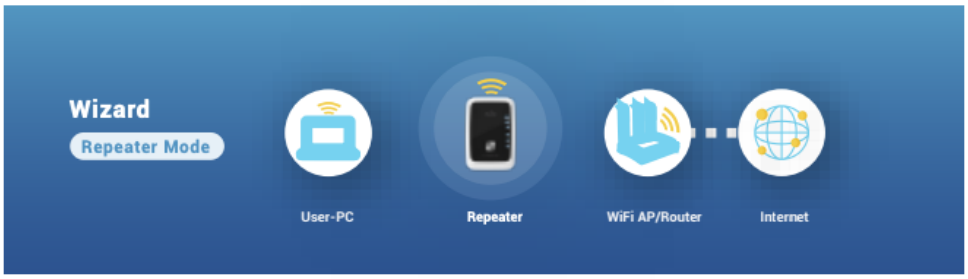
*If your device is already configured to your network, you cannot access the default IP address (**192.168.7.234**). You must reset the device to access again.

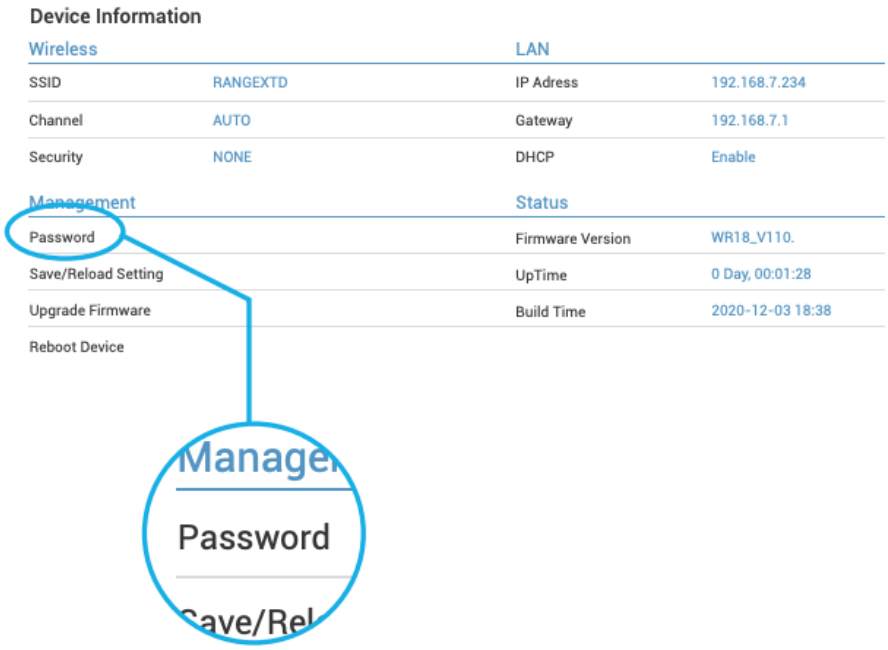
Scan the below QR code for video instructions.

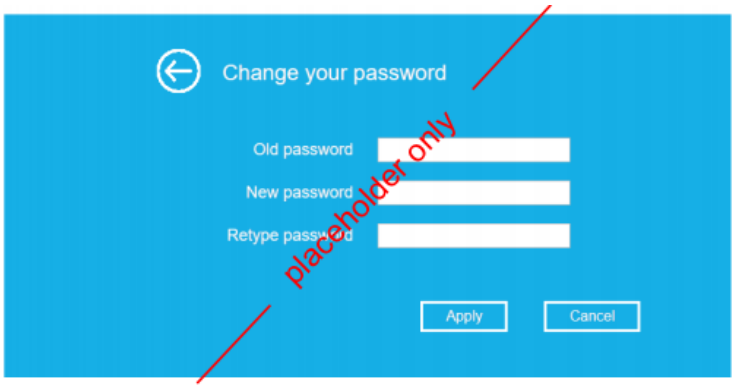
Change Management Password

Default password of the device 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 the wireless function enabled.

To change password, please follow the following instructions: Please click " **Password**" button on the management setting interface, the following message will be displayed on your web browser:







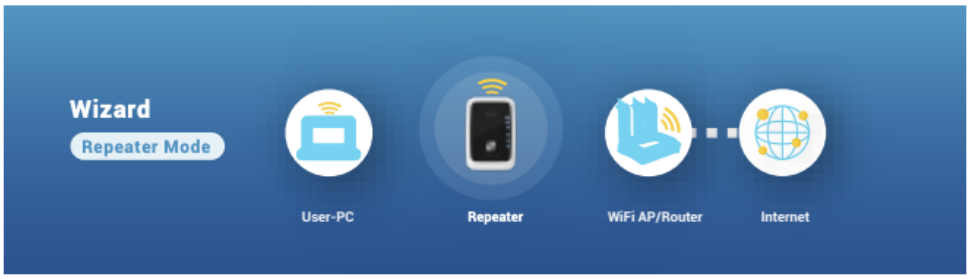
Click “**Apply**” button, the Device will log off.

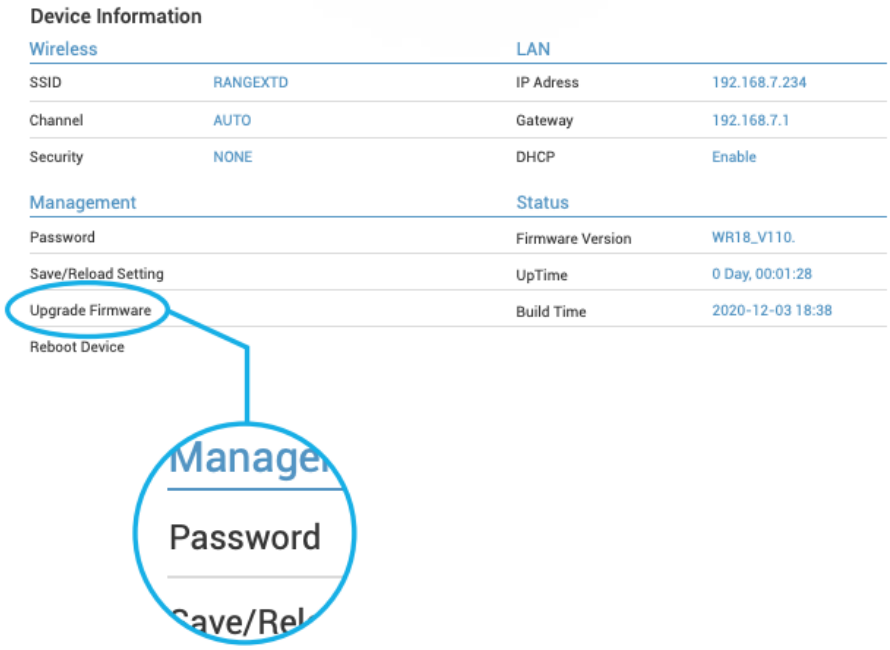
If you forgot your existing password, you can reset the password by clicking the **reset pinhole button** on the side of the device for 10 seconds and then release, the indicators will all turn off. After you reset your device, unplug the it for 3 seconds. Plug it back in and wait about 30 seconds, then check your WiFi network for the network called ‘RANGEXTD’ on your computer or mobile device.

Firmware Upgrade

The system software used by this router is called “**Firmware**”, 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 function to add new functions to your router, even fix the bugs of this router.

Please click “**Upgrade Firmware**” located at the management setting interface, and then the following message will be displayed on your web browser:





Click “**Browse…**” or “**Choose 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 “**Upload**” button, and the device will start firmware upgrade procedure automatically.

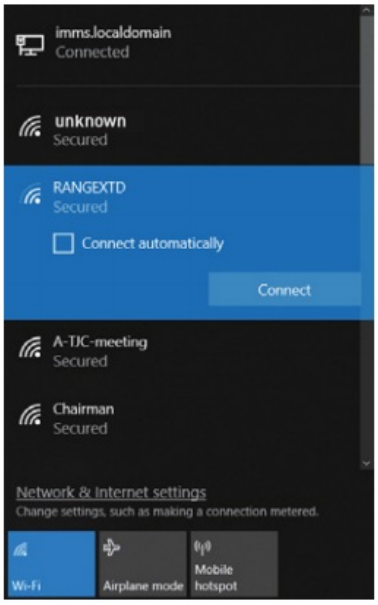
The procedure may take several minutes, please be patient.

Note:

- Never interrupt the upgrade procedure by closing the web browser or physically disconnect your computer from the device. If the firmware you uploaded is interrupted, the firmware upgrade will fail, contact customer support for assistance if needed.
- Warranty is void if you interrupted the upgrade procedure.

How to Connect your Computer/Laptop with the Device

Adding a wireless computer to the device



1. Log on to the computer.
2. Connect to a network by right-clicking the network icon (or) in the notification area.
3. Choose the wireless network from the list that appears, and then click Connect.
4. Type the network security key or passphrase if you are asked to do so, and then click **OK**.
   You'll see a confirmation message when you are connected to the network.
5. To confirm that you added the computer, please do the following: Open network by clicking the **Start** button , and then clicking **Control Panel**. In the search box, type network, and then, under Network and Sharing Center, click View network computers and devices. You should see icons for the computer you added and for the other computers and devices that are part of the network.

Note:

If you don't see icons in the Network folder, then network discovery and file sharing might be turned off.

Scan the below QR code for MAC set up

placeholder only

Difficulties with setting up your Device?

We are here to help!

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

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.

CE

FCCID NO: 2AVK9-30251

FCC STATEMENT

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.

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.

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.

Canada EMC statement

This device complies with RSS 210 of the Industry Canada Rules. Operation is subject to the following two conditions:

1. this device may not cause interference.
2. this device must accept any interference, including interference that may cause undesired operation of the device.

This Class [B] digital apparatus complies with Canadian ICES-003. This equipment complies with Canada radiation exposure limits set forth for uncontrolled environments. This equipment should be installed and operated with a minimum distance of 20cm may be adjusted according to actual calculation result between the radiator and your body.

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

DOWNLOAD RESOURCES

- **RANGEXTD WiFi Range Extender** [pdf] Instruction Manual WiFi Range Extender
- Read more: **https://manuals.plus/rangextd/wifi-range-extender-manual#ixzz7dDzT0wOs**

FAQ'S

How to configure the device?

Default setting is Repeater Mode, just plug in the power, wait for a few seconds and press WPS button.

How to set it on Router Mode?

Reset the device and then set it on Repeater Mode.

How to set it on AP Mode?

Reset the device and then set it on Repeater Mode.

How to use it as a WiFi router?

Connect one end of the RJ45 cable to the LAN port of your existing wireless router, and then connect the other end of the cable to one of the LAN ports of this device. Then use another RJ45 cable to connect one of its LAN ports to your PC or Laptop.

Does a WiFi extender have its own password?

The repeater will usually have its own network name (SSID) and password, which differs from the SSID of the router and any other amplifiers in the home, and that are not automatically synchronized when the other device's SSID is updated.

Does a WiFi extender work through walls?

Yes, WiFi extenders work through walls and can help to boost your WiFi signal. If you have a large home or office, it is recommended you place your WiFi extender near the centre of the area for the best coverage.

What is the difference between a WiFi booster and a WiFi extender?

When two or more hosts have to be connected with one another over the IEEE 802.11 protocol and the distance is too long for a direct connection to be established, a wireless booster is used to bridge the gap. A WiFi extender is used to extend the coverage area of your WiFi network.

Do you connect to WiFi Extender or router?

In order for a WiFi Extender to be effective, it should connect to your main router via a wired LAN connection. Most people simply don't do this. An Extender that has a hard-wire connection becomes a powerful access point. This allows it to broadcast your WiFi signal but still gives you the speed you are looking for.

How do I know my Wi-Fi extender is working?

Go to Settings > Status to check the internet status of your extender. If everything is OK as shown below, your extender is successfully connected to your router. Connect your devices to the extender wirelessly or via an Ethernet cable.

What do the lights mean on a WiFi extender?

If the WiFi signal is weak while connecting to the extended network for the first time, an arrow LED will blink on the extender for two minutes. A blinking arrow means that you should move the extender to a different location for better Wi-Fi performance.

Does a WiFi extender have its own IP address?

Yes. When you're connected to the extender, the extender has to impersonate you to the access point. This means your hardware address will be seen as the extender's hardware address on the original network and your own hardware address on the extender's network. IP doesn't care, but some protocols might.

How can I get 200 feet off my WiFi?

Illustrious. 200 ft is short enough you might be able to get away with just one directional antenna, instead of a pair to make a bridge. I've gotten one of these to connect to a regular WiFi router several hundred feet away. Just put one in your workshop and aim it at the WiFi router in your house.

VIDEO

https://manuals.plus/wp-content/uploads/2021/05/RANGEXTD-WiFi-Range-Extender-VIDEO-2.mp4

RANGEXTD WiFi Range Extender
www://rangextd.com/

Documents / Resources

RANGEXTD WiFi Range Extender [pdf] Instruction Manual
WiFi Range Extender

References

- RangeXTD

Related Manuals / Resources

RANGEXTD WiFi Extender User Guide

RANGEXTD WiFi Extender User Guide Need Help? Scan the QR Code, or visit https://support.myrangextd.com/hc/en-us/ Activate Your Warranty Scan…

ICODE WiFi Range Extender Instructions

ICODE WiFi Range Extender Instructions Introduction Dear customer Thank you for purchasing on ICODE EX 300 wifi extender…

tp-link AC750 WiFi Range Extender User Guide

tp-link AC750 WiFi Range Extender User Guide tp-link AC750 WiFi Range Extender User Guide FCC STATEMENT This equipment…

Dual Fuel Range Use And Care Instruction Manual

Dual-Fuel-Range-Use-And-Care-Instruction-Manual-Original

Join the Conversation

1.
2.
3.
4.

4 Comments

1. **Silke Slimburg** says:
   September 25, 2021 at 5:17 pm

   How do you encrypt that which is not openly visible to everyone?
   Wie verschlüsselt man das nicht offen für jeden sichtbar ist?

   Reply

2. **Bourau** says:
   October 26, 2021 at 6:58 am

   Hello,
   My device used as a repeater has all 3 signal indicators on. When I stand next to it, my phone indicates a maximum wifi reception level. if I move six meters away from the device without any obstacle, the signal drops and my phone does not indicate more than two segments in wifi reception.
   In fact, with a repeater I have the same signal as without a repeater.
   Bonjour,
   Mon appareil utilisé en répéteur a les 3 indicateurs de signal allumés. Lorsque je me positionne à côté, mon téléphone indique un niveau de réception wifi maximal. si je m'éloigne de six mètres, sans obstacle, de l'appareil ,le signal chute et

mon téléphone n'indique pas plus de deux segments en réception wifi.
En fait, avec répéteur j'ai le même signal que sans répéteur.

Reply

3. **Anonymous** says:
November 15, 2021 at 7:55 pm

I need to know if this will really work with air channel in a home. I can get air channel, but they have lines coming thru the channel. Some days the channel are beautiful and other days you can not watch.

Reply

4. **Edna Hill** says:
November 15, 2021 at 7:58 pm

I have air channel in my home some days the channel is beautiful and other days you cannot see anything. I just need to know if this will be good for me. I have wifi services.

Reply