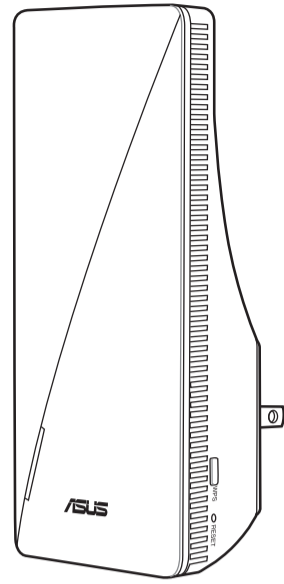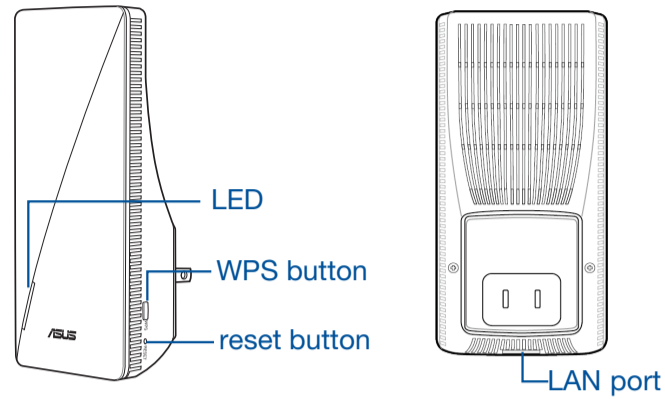# Quick Start Guide

RP-AX58

AX3000 Dual-Band WiFi Range Extender

Hardware Explanations

❶ Plug RP-AX58 into a power outlet.

❷ The LED will start breathing white for 3 seconds while booting up.

Button Explanations

LED
WPS button
reset button
LAN port

○ **WPS BUTTON**
Launch the WPS Wizard.

○ **RESET BUTTON**
Reset the system to its factory default settings.

○ **LAN PORT**
Connect your PC to the LAN port with a network cable.

LED Explanations

WiFi Range Extender Mode	
Status	**LED Behavior**
Booting up	Blinking White
Booting up complete (not connected to Router)	Solid Blue
Reset (use a pin to press the reset button for 5 seconds)	Blinking Yellow
Rescue mode	Solid Purple
Starting WPS	Blinking Blue
Connected to the router with Good Signal	Solid White
Connected to the router with Weak Signal	Solid Yellow
No Signal	Solid Red
AP mode (with wired connection)	Solid White
AP mode (without wired connection)	Solid Red

AiMesh Mode	
Status	**LED Behavior**
Booting up	Blinking White
Booting up complete (not connected to AiMesh Router)	Solid Blue
Reset (use a pin to press the reset button for 5 seconds)	Blinking Yellow
Rescue mode	Solid Purple
Connecting to the AiMesh Router	Blinking Blue
Connected to the AiMesh Router with Good Signal	Solid White
Connected to the AiMesh Router with Weak Signal	Solid Yellow
No Signal	Solid Red
Ethernet backhaul	Solid White

BEFORE SETUP   WE SUGGEST...

01 Placing your RP-AX58

❶ Plug your RP-AX58 into a power outlet near your router/AP.

❷ Check the LEDs and see the **LED explanations**.

❸ Wait for the LED to flash and turn solid blue, indicating that your RP-AX58 is ready to connect to your existing router/AP.

around 2 meters
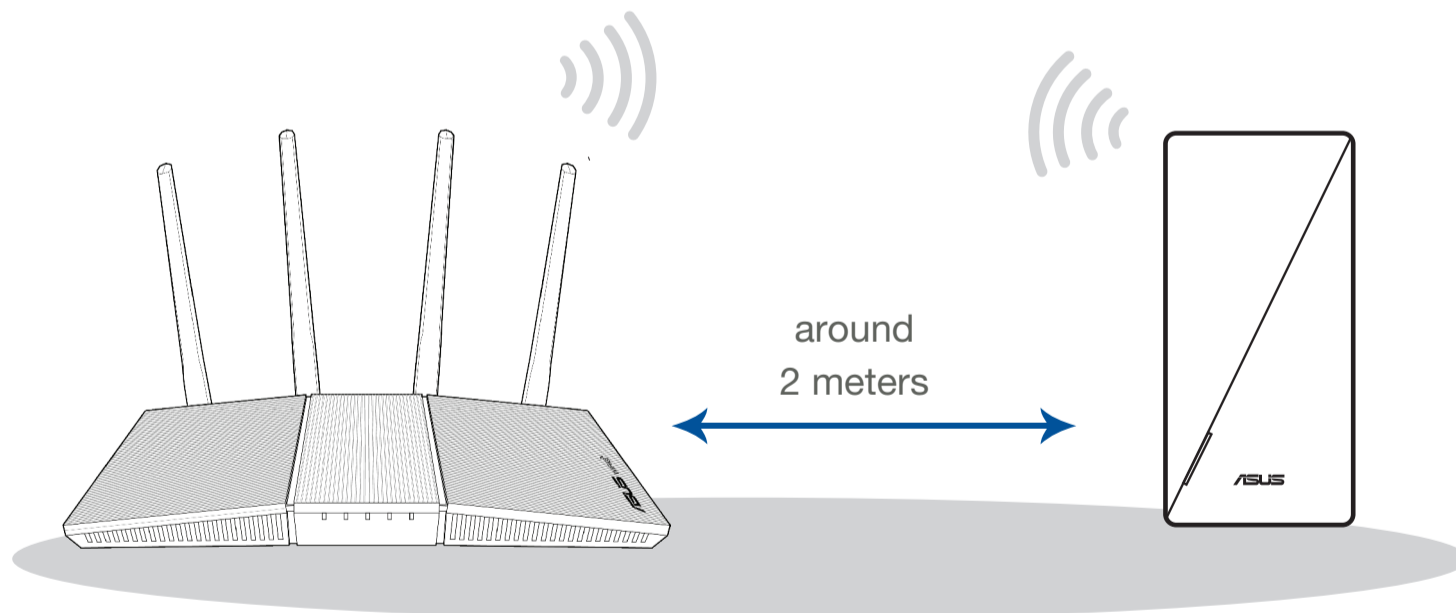
NOTES: • To minimize interference, keep the routers away from devices like cordless phones, Bluetooth devices and microwave ovens.
• We recommend that you place the routers in an open or spacious location.

SETUP METHODS   Set up RP-AX58 as a WiFi range extender

If you would like to connect RP-AX58 to other WiFi networks excluding AiMesh-supported routers, please download the ASUS Extender App or set up with the WPS button.
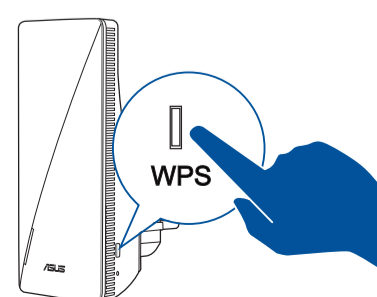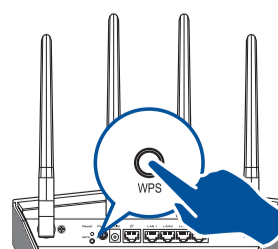
METHOD 1

Download the ASUS Extender App and follow the onscreen instructions

ASUS Extender

GET IT ON Google Play
Download on the App Store

🔍 ASUS Extender APP
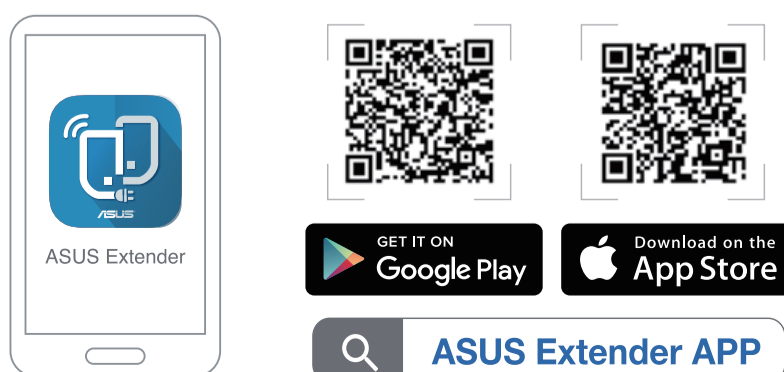
METHOD 2

Connect via WPS

❶ Press the WPS button on your router/AP.

❷ Press the WPS button on your RP-AX58 for more than two (2) seconds until the LED starts to blink blue.

WPS
WPS

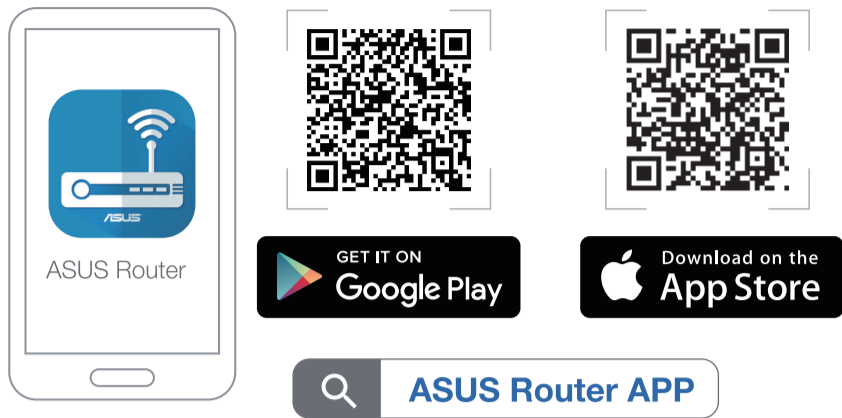# SETUP METHODS Set up RP-AX58 as an AiMesh Node

If you already have an AiMesh router and you are going to create an AiMesh system, please download and install ASUS Router App for RP-AX58 setup.

STEPS

❶ Download the ASUS Router App.

ASUS Router

GET IT ON
Google Play

Download on the
App Store

🔍 **ASUS Router APP**

❷ Follow the onscreen instructions to set up your AiMesh router.

❸ Tap ✛ and select **Add AiMesh node**.

☰   **Home**   ✛

Your AiMesh Router

LAN IP »
XXX.XXX.XX.X
Network Name
ASUS_XX

Set up a new network

Add AiMesh node

Share guest network

❹ Select **RP-AX58** and follow the onscreen instructions to complete the setup.

NOTE: Set up a password for your router to prevent unauthorized access.

TROUBLE SHOOTING

If your AiMesh router cannot find RP-AX58 nearby or synchronization fails, please check followings and try again.

a Plug RP-AX58 into a power outlet near your router/AP. Ensure that it is within 3 meters from the AiMesh router.

b Your AiMesh router is upgraded to AiMesh-supported firmware.

c i. Download AiMesh - supported fireware at: https://www.asus.com/AiMesh/.

ii. Launch a web GUI. You will be redirected to the ASUS Setup Wizard. If not, navigate to http://www.asusrouter.com.

iii. Go to **Administration** > **Firmware Upgrade**. Click **Choose File**, and upload the AiMesh-supported firmware.

Firmware Upgrade

Administration - Firmware Upgrade

Firmware Version

Product ID	RT-ABCDE	
Firmware Version	3.0.4.382_12345678	**Check**
New Firmware File	Choose File	**Upload**
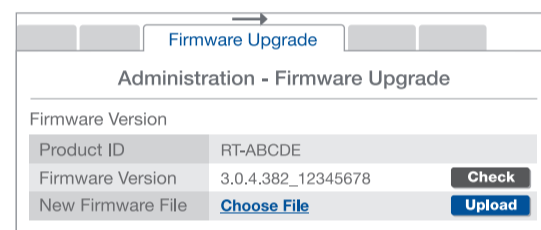
iv. After the firmware is uploaded, please go to the Network Map page to check and make sure that the AiMesh icon shows up.

Network Map

AiMesh

Find AiMesh node
Search

AiMesh node
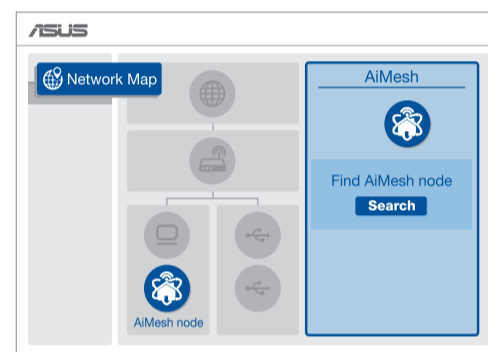
v. Use a pin to press the reset button on your RP-AX58 for at least 5 seconds. Release the reset button when the power LED is flashing slowly.

Reset
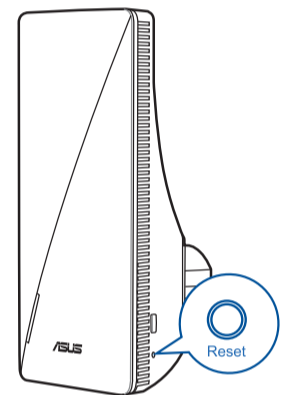
FAQ FREQUENTLY ASKED QUESTIONS

Q1 Could I setup wired connection between AiMesh routers and nodes (Ethernet backhaul)?

A: Yes. AiMesh system supports both wireless and wired connection between an AiMesh router and node to maximize throughput and stability. AiMesh analyzes the wireless signal strength for each frequency band available, and then determines automatically whether a wireless or wired connection is best to serve as the inter-router connection backbone.

❸ AiMesh system will auto-select the best path for data transmission, whether wired or wireless.

❶ Follow the setup steps to establish a connection between the AiMesh router and RP-AX58 via WiFi first.

❷ Place the RP-AX58 in an ideal location for the best coverage. Run an Ethernet cable from the LAN port of the AiMesh router to the Ethernet backhaul port of RP-AX58.
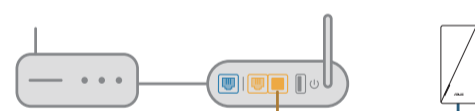
LAN to LAN (Ethernet backhaul) port

To know more about ASUS AiMesh, please go to https://www.asus.com/AiMesh/.

Q2 How to set up the Access Point(AP) mode on an ASUS WiFi Range Extender?

❶ Launch a web browser and enter http://www.asusrouter.com.

❷ If you are logging into the Web GUI for the first time, you will be automatically directed to the Quick Internet Setup (QIS) page. Click **Advanced Settings**.

❸ Click **Choose operation mode**, then click **Access Point(AP) mode**.

❹ Click **Automatic IP**, then click to set up the SSIDs separately.

❺ For the first time, you'll need to set up the username and password for your RP-AX58. When typing is done, click **Next**. Access Point(AP) mode setting is finished.