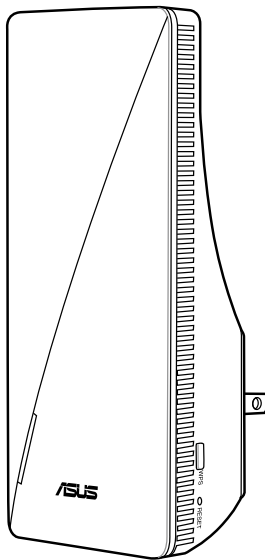


# User Guide

## RP-BE58

BE3600 Dual-Band WiFi Range Extender



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## ACCESSIBILITY STATEMENT

ASUS is committed to making our documentation accessible, in accordance with Directive (EU) 2019/882 of the European Parliament and of the Council. This document is designed to meet requirements for WCAG 2.1 (level AA)/EN 301 549 and be accessible to screen readers such as NVDA Screen Reader or Microsoft Narrator.

For more product information, please refer to the product webpage:

<https://qr.asus.com/networking/rp-be58>



## Service and Support

Visit our multi-language website at <https://www.asus.com/support>.



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# 1 Getting to know your wireless router

## 1.1 Welcome!

Thank you for purchasing an ASUS RP-BE58 Wireless Range Extender!

Featuring WiFi 7, RP-BE58 delivers speeds of up to 3600Mbps, enhancing performance by 20% compared to WiFi 6. Additionally, it supports AiMesh technology, ensuring a stable, seamless, and secure wireless connection with compatible devices throughout your home. Its compatibility with virtually all WiFi routers further extends coverage.

## 1.2 Package contents

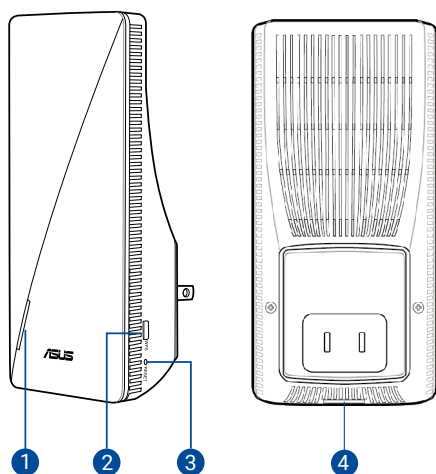
- RP-BE58 Wireless Range Extender
- Quick Start Guide

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### NOTES:

- If any of the items are damaged or missing, contact ASUS for technical inquiries and support. Refer to **Service and Support** in this user manual.
  - Keep the original packaging material in case you would need future warranty services such as repair or replacement.
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## 1.3 Your wireless router



### 1. Power LED

Refer to **LED Explanations** on the next page for details.

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**NOTE:** You can check the router's working status in the router app.

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### 2. WPS button

This button launches the WPS Wizard.

### 3. Reset button

This button resets or restores the system to its factory default settings.

### 4. LAN port

Connect a network cable into this port to establish LAN connection.

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#### **NOTE:**

- **Specifications:**

**AC Power board (AC Input):** 100V ~ 240V

**Operating Temperature:** 0 to 40 °C

**Storage Temperature:** 0 to 70 °C

**Operating Humidity:** 50 to 90%

**Storage Humidity:** 20 to 90%

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## LED Explanations

<b>WiFi Range Extender Mode</b>	
<b>Status</b>	<b>LED Behavior</b>
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

<b>AiMesh Mode</b>	
<b>Status</b>	<b>LED Behavior</b>
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

## 1.4 Positioning your wireless router

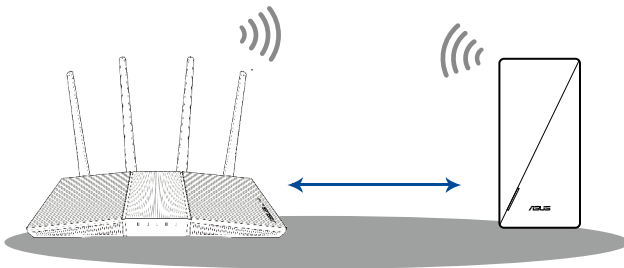
For optimal wireless transmission between the wireless range extender and connected wireless devices, ensure that you:

- Plug your RP-BE58 into a power outlet near your router/AP.
- Check the LED and see the **LED Explanations**.
- Wait for the LED to flash and turn solid blue, indicating that your RP-BE58 is ready to connect to your existing router/AP.

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### 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.
- 
- Always update to the latest firmware. Visit the ASUS website at <https://www.asus.com> to get the latest firmware updates.



## 2 Getting started

### 2.1 Set up RP-BE58 as a WiFi range extender

**WARNING!** Use this product in environments with ambient temperatures between 0°C (32°F) and 40°C (104°F).

If you would like to connect RP-BE58 to other WiFi networks excluding AiMesh-supported routers, please download the **ASUS Extender** app.

#### via App

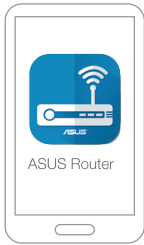
Download the ASUS Extender app and follow the onscreen instructions.



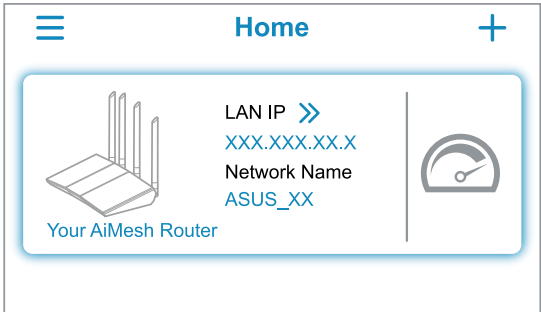
## 2.2 Set up RP-BE58 as an AiMesh node

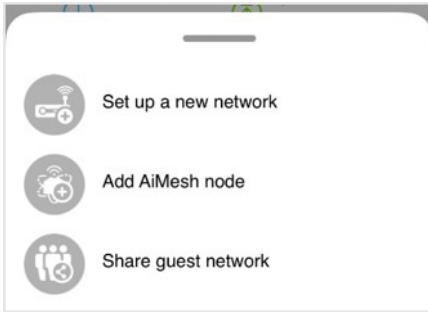
If you already have an AiMesh router and you are going to create an AiMesh system, please download and install **ASUS Router** app for RP-BE58 setup.

1. Download the ASUS Router app.



2. Follow the onscreen instructions to set up your AiMesh router.
3. Tap **+** and select **Add AiMesh node**.





4. Select **RP-BE58** and follow the onscreen instructions to complete the setup.

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

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## 3 Tutorial

### AiMesh

[How to set up a range extender \(RP series\) as an AiMesh node?](#)

[How to improve the signal quality between your AiMesh router and AiMesh node?](#)

### Firmware upgrade/reset/restore

[ASUS router's Hard Factory Reset](#)

[How to use Rescue Mode \(Firmware Restoration\)?](#)

[How to upgrade the firmware of my ASUS router to the latest version \(Web GUI\)?](#)

[Firmware upgrade failed.](#)

[How to upload the configuration files of my ASUS router?](#)

[How to save System Log in my ASUS router?](#)

[Why can't I sometimes download or update the operating system on my iPhone or Mac?](#)

### Guest network

[How to set up a Guest Network?](#)

### LAN

[How to set up LAN IP?](#)

### Operation mode

[How many AiMesh nodes are suggested in an AiMesh system?](#)

[How to set up Access Point \(AP\) mode on an ASUS range extender device?](#)

## Security

Ways to achieve network security

## Setup / Login

How to set up ASUS repeater with ASUS Extender app?

How to set repeater mode on the ASUS wireless range extender (WebGUI)?

How to use ASUS Device Discovery to find the IP address of an ASUS router?

How to find the IP address of your wireless router or AP from Windows system?

How to find the IP address of your wireless router or AP from iOS system?

How to find the IP address of your wireless router or AP from Android system?

## Troubleshooting of Internet and Wi-Fi

How can I find the best location for my WiFi range extender?

Why is the wireless name of range extender different from my WiFi router?

The wireless router or wireless range extender often disconnects when operating in repeater mode.

## Wi-Fi

What's the difference between 2.4GHz and 5GHz?

WiFi connection often disconnects.

How to forget WiFi connection password on Windows/MacOS/Android/iOS?

How to set up WPS connection?

Why does the WPS connection fail when using WPA3-  
Personal?

# Appendices

## Safety Notices

When using this product, always follow the fundamental safety precautions, including, but not limited to the following:

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### **WARNING!**

- The power supply cord(s) must be plugged into socket-outlet(s) that is /are provided with a suitable earth ground. Connect the equipment only to a nearby socket outlet that is easily accessible.
  - If the Adapter is broken, Do NOT try to fix it by yourself. Contact a qualified service technician or your retailer.
  - Do NOT use damaged power cords, accessories, or other peripherals.
  - Do NOT mount this equipment higher than 2 meters.
  - Use this product in environments with ambient temperatures between 0°C (32°F) and 40°C (104°F).
  - Read the operational guidelines and the temperature range provided before using the product.
  - Pay particular attention to the personal safety when using this device in airports, hospitals, gas stations and professional garages.
  - Medical device interference: Maintain a minimum distance of at least 15 cm (6 inches) between implanted medical devices and ASUS products to reduce the risk of interference.
  - Kindly use ASUS products in good reception conditions to minimize the radiation's level.
  - Keep the device away from pregnant women and the lower abdomen of the teenager.
  - Do NOT use this product if visible defects can be observed or it has been wet or damaged or modified. Seek servicing for assistance.
-

**WARNING!**

- Do NOT place on uneven or unstable work surfaces.
  - Do NOT place or drop objects on the top of the product. Avoid exposing the product to mechanical shock such as crushing, bending, puncturing or shredding.
  - Do NOT disassemble, open, microwave, incinerate, paint, or shove any foreign objects into this product.
  - Refer to the rating label on the bottom of your product and ensure your power adapter complies with this rating.
  - Keep the product away from fire and heat sources.
  - Do NOT expose to or use near liquids, rain, or moisture. Do NOT use the product during electrical storms.
  - Connect the PoE output circuits of this product exclusively to PoE networks, without routing to external facilities.
  - To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.
  - Only use accessories that have been approved by the device manufacturer to work with this model. The use of other types of accessories may invalidate the warranty or violate local regulations and laws, and may pose safety risks. Contact your local retailer for the availability of authorized accessories.
  - Use of this product in a way not recommended in the provided instructions may result in a risk of fire or personal injury.
  - The product is for indoor use only.
-

## WEEE Notice



The Waste Electrical and Electronic Equipment (WEEE) Directive (Directive 2012/19/EU) is a European Union law that aims to reduce the environmental impact of electrical and electronic equipment. It mandates producers to take responsibility for the end-of-life management of their products, promoting collection, treatment, and recycling to minimize waste and encourage resource recovery.

Do not throw your Electronic and electrical equipment in municipal waste.

The symbol of the crossed-out wheeled bin on the product or packaging indicates that this product (including any batteries it contains), must not be disposed of with your household waste.

To prevent potential harm to the environment and human health, a collection framework should be used to return, recycle, and recover waste electrical and electronic equipment (WEEE), and this product has been designed to enable the reuse of parts and facilitate the recycling of certain materials.

Improper disposal may involve risks due to the presence of hazardous substances within electrical and electronic equipment, such as lead and BFR and other harmful components.

Check your local recycling services for electronic products (<https://esg.asus.com/en/circular-economy/resource-regeneration/global-take-back-service>).