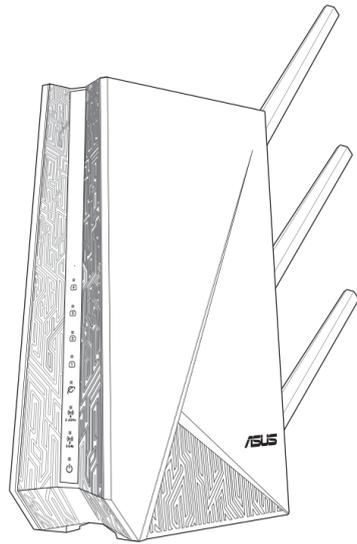


# Quick Start Guide

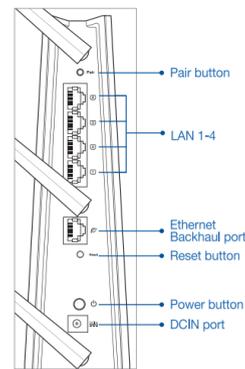
**RP-AC1900**  
Dual-Band Wireless Repeater



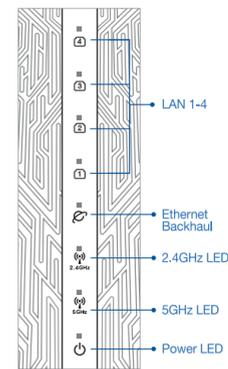
## Hardware Explanations

- 1 Plug the adapter into the DCIN port, and press the power button.
- 2 The Power, 2.4GHz and 5GHz LEDs will light up when your hardware is ready.

### Button Explanations



### LED Explanations

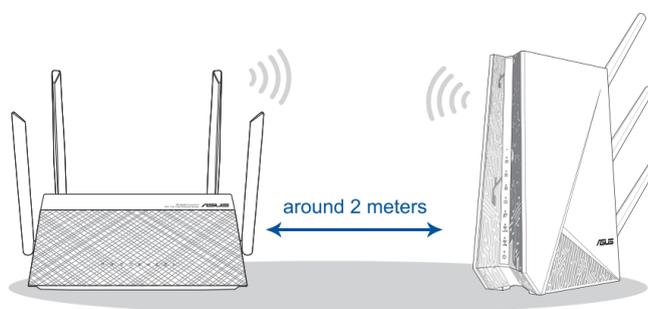


- **RESET BUTTON**  
Reset the system to its factory default settings.
- **ETHERNET BACKHAUL**  
Setup AiMesh node (RP-AC1900) with wired connection
- **LAN PORT 1-4**  
Connect your PC to a LAN port with a network cable.

## BEFORE SETUP WE SUGGEST...

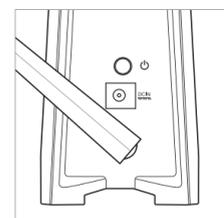
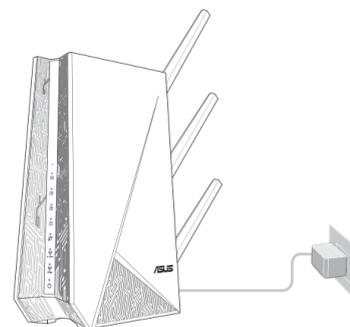
### 01 Placing your RP-AC1900

- 1 Place your RP-AC1900 near your router/AP.
- 2 Check the LEDs and see the LED explanations.



### 02 Power On

- 1 Plug your RP-AC1900 to a power outlet.
- 2 Turn on the power switch.

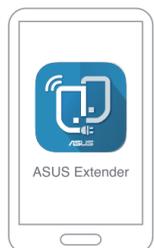


Wait until the power LED turns white, indicating that your RP-AC1900 is ready to connect to your existing router/AP.

## SETUP METHODS Setup RP-AC1900 as repeater

### METHOD 1

Download the ASUS Extender App



**ASUS Extender APP**

If you would like to connect RP-AC1900 to other WiFi networks excluded AiMesh supported routers, please download ASUS Extender App.

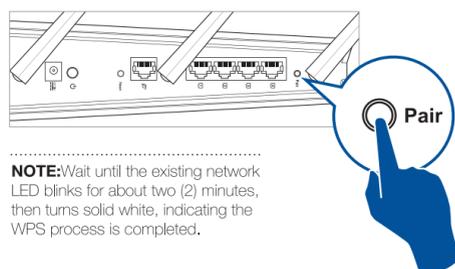
### METHOD 2

Connect via WPS

- 1 Press the WPS button on your router/AP.



- 2 Press the Pair button on your RP-AC1900 for more than two (2) seconds until the power LED starts to blink.

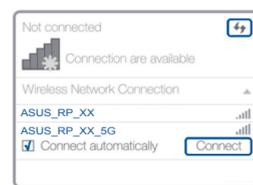


**NOTE:** Wait until the existing network LED blinks for about two (2) minutes, then turns solid white, indicating the WPS process is completed.

### METHOD 3

Web Support

- 1 Connect

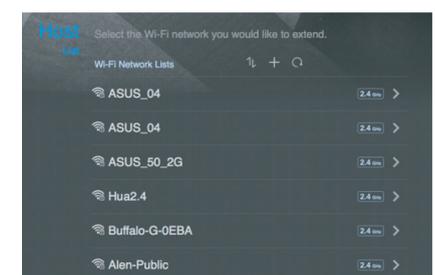


Disconnect your Ethernet (wired) connection from your computer. Click the Wi-Fi icon on the taskbar and connect to RP-AC1900's network: **ASUS\_RP\_XX** or **ASUS\_RP\_XX\_5G**

**NOTE:** The screenshot below is from a desktop PC.

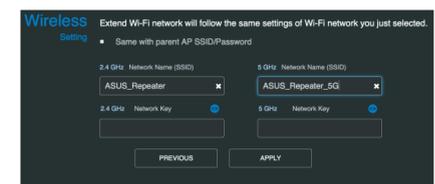
- 2 Extend

- i. On a web browser, enter <http://repeater.asus.com>.
- ii. Set a unique repeater login name and password.
- iii. Select the existing network you want to extend.



- 3 Configure

Tick Same with Parent AP SSID/Password to copy the router/AP's SSID and password for your extended network. You could also set a unique SSID and password for your extended network by typing in the text box. When done, click **Apply**.



## SETUP METHODS Setup RP-AC1900 as AiMesh Node

Please make sure you have AiMesh enabled router already.

### METHOD 1

Download the ASUS Router App

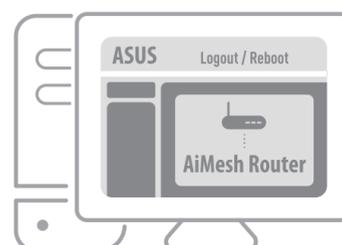


**ASUS Router APP**

If you already have AiMesh router, please download and install ASUS Router App for RP-AC1900 setup.

### METHOD 2

Web Support



For more information, please refer to the Setup Methods on the back.

# SETUP METHODS

## Setup RP-AC1900 as AiMesh Node

Please make sure you have AiMesh enabled router already.

### METHOD 2

#### Web Support

## 01 Preparing to setup an AiMesh WiFi system.

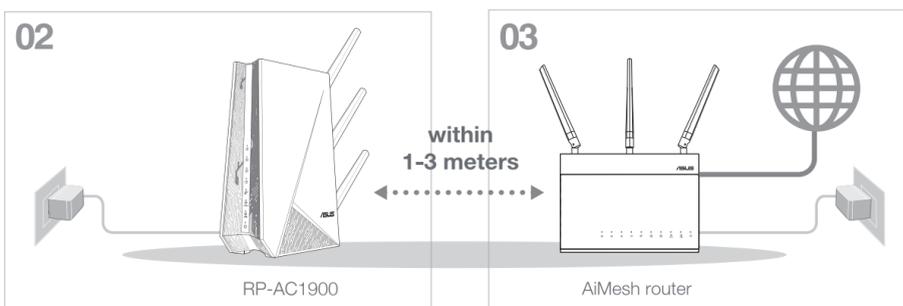
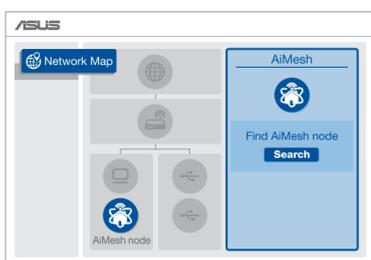
- 1 In addition to RP-AC1900, you have to prepare another ASUS AiMesh router (models supporting AiMesh) <https://www.asus.com/AiMesh/>
- 2 Assign the router as AiMesh router, and assign RP-AC1900 as AiMesh node.

## 02 AiMesh node

Power on your AiMesh node (RP-AC1900), and then place it and your AiMesh router within 1-3 meters of each other during the setup process.

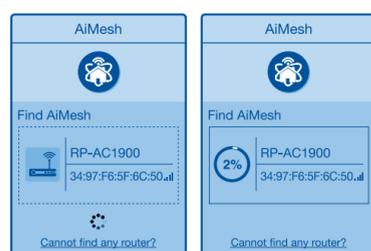
- 2 Go to Network Map page, click AiMesh icon and then Search for your extending AiMesh node.

\*\* If you cannot find the AiMesh icon here, click on firmware version and update the firmware.



- 3 Click Search, it will automatically search for your AiMesh node. When the RP-AC1900 shows on this page, click it to add it into the AiMesh system.

\*\* If you cannot find any AiMesh node, please go to "TROUBLE SHOOTING".

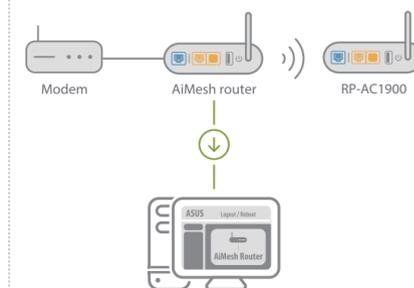


- 4 A message is displayed when synchronization is completed.

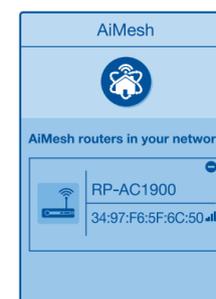
Successfully added RP-AC1900 to your AiMesh system, it will take awhile to show up as connected in the AiMesh router list.

## 03 AiMesh router

- 1 Connect your router to your PC, and then log in into the the web GUI.



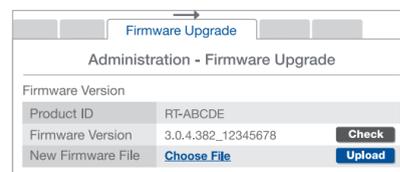
- 5 Congratulations! You will find the pages below show up when RP-AC1900 has been successfully added to the AiMesh network.



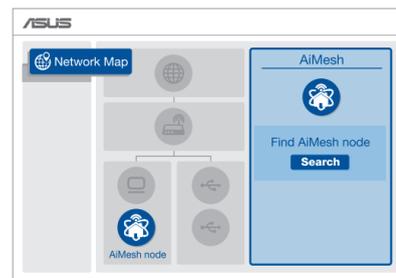
## TROUBLE SHOOTING

If your AiMesh router cannot find any RP-AC1900 nearby or synchronization fails, please check followings and try again.

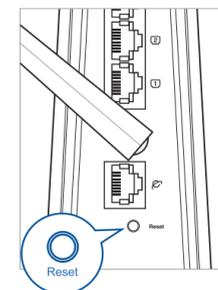
- a Move your RP-AC1900 closer to the AiMesh router ideally. Ensure it is within 1-3 meters.
  - b Your RP-AC1900 is powered on.
  - c Your AiMesh Router is upgraded to AiMesh supported firmware.
- i. Download AiMesh - supported firmware at <https://www.asus.com/AiMesh/>
  - ii. Launch a web GUI. You will be redirected to the ASUS Setup Wizard. If not, navigate to <http://router.asus.com>
  - iii. Go to Administration Firmware Upgrade. Click on **Choose File**, and upload the AiMesh-supported firmware.



- iv. After firmware uploaded, please go to Network Map page to confirm whether AiMesh icon showed up.



- v. Press the reset button on your RP-AC1900 for at least 5 seconds. Release the reset button when the power LED is flashing slowly.



## RELOCATION THE BEST PERFORMANCE

Locate AiMesh router and RP-AC1900 at best place.



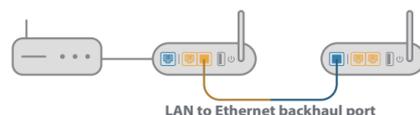
- NOTE:**
- To minimize interference, keep the routers away from devices like cordless phones, Bluetooth devices and microwave ovens.
  - We recommend that you place the routers in an open or spacious location.

## 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 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.

- 1 Follow the setup steps to establish a connection between the AiMesh router and RP-AC1900 via Wi-Fi first.
- 2 Place the RP-AC1900 in the ideal locations for best coverage. Run an Ethernet cable from the LAN port of the AiMesh router to the Ethernet backhaul port of RP-AC1900.



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

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

### ASUS Recycling/Takeback Services

ASUS recycling and takeback programs come from our commitment to the highest standards for protecting our environment. We believe in providing solutions for you to be able to responsibly recycle our products, batteries, other components, as well as the packaging materials. Please go to <http://csr.asus.com/english/Takeback.htm> for the detailed recycling information in different regions.

### REACH

Complying with the REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) regulatory framework, we published the chemical substances in our products at ASUS REACH website at <http://csr.asus.com/english/REACH.htm>

### Federal Communications Commission Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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.

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

### Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) L'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

La bande 5150 - 5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

CAN ICES-3(B)/NMB-3(B)

### Informations concernant l'exposition aux fréquences radio (RF)

La puissance de sortie émise par cet appareil sans fil est inférieure à la limite d'exposition aux fréquences radio d'Innovation, Sciences et Développement économique du Canada (ISED). Utilisez l'appareil sans fil de façon à minimiser les contacts humains lors d'un fonctionnement normal.

Cet équipement doit être installé et utilisé avec un minimum de 31 cm de distance entre la source de rayonnement et votre corps.

L'utilisation de cet appareil est autorisée au Canada. Pour consulter l'entrée correspondant à l'appareil dans la liste d'équipement radio (REL - Radio Equipment List) d'Innovation, Sciences et Développement économique du Canada, rendez-vous sur:

[http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h\\_tt00020.html](http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h_tt00020.html)

Pour des informations supplémentaires concernant l'exposition aux fréquences radio au Canada, rendez-vous sur: <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>

### Prohibition of Co-location

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

### IMPORTANT NOTE:

**Radiation Exposure Statement:** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with FCC exposure compliance requirement, please follow operation instruction as documented in this manual.



**WARNING!** This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

### Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This device complies with Innovation, Science and Economic Development Canada 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.

Operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

CAN ICES-3(B)/NMB-3(B)

### Radio Frequency (RF) Exposure Information

The radiated output power of the ASUS Wireless Device is below the Innovation, Science and Economic Development Canada radio frequency exposure limits. The ASUS Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.

This equipment should be installed and operated with a minimum distance of 31 cm between the radiator any part of your body.

This device has been certified for use in Canada. Status of the listing in the Innovation, Science and Economic Development Canada's REL (Radio Equipment List) can be found at the following web address:

[http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h\\_tt00020.html](http://www.ic.gc.ca/eic/site/ceb-bhst.nsf/eng/h_tt00020.html)

Additional Canadian information on RF exposure also can be found at the following web: <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf08792.html>

For product available in the USA/Canada market, only channel 1-11 can be operated. Selection of other channels is not possible. Pour les produits disponibles aux États-Unis / Canada du marché, seul le canal 1 à 11 peuvent être exploités. Sélection d'autres canaux n'est pas possible.

### Specifications:

DC Power adapter	DC Output: +19V with max 1.75A current
Operating Temperature	0-40°C Storage 0-70°C
Operating Humidity	50-99% Storage 20-90%

### Safety Notices:

- Use this product in environments with ambient temperatures between 0°C(32°F) and 40°C(104°F).
- Refer to the rating label on the bottom of your product and ensure your power adapter complies with this rating.
- DO NOT place on uneven or unstable work surfaces. Seek servicing if the casing has been damaged.
- DO NOT place or drop objects on top and do not shove any foreign objects into the product.
- DO NOT expose to or use near liquids, rain, or moisture. DO NOT use the modem during electrical storms.
- DO NOT cover the vents on the product to prevent the system from getting overheated.
- DO NOT use damaged power cords, accessories, or other peripherals.
- If the Adapter is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- To prevent electrical shock hazard, disconnect the power cable from the electrical outlet before relocating the system.