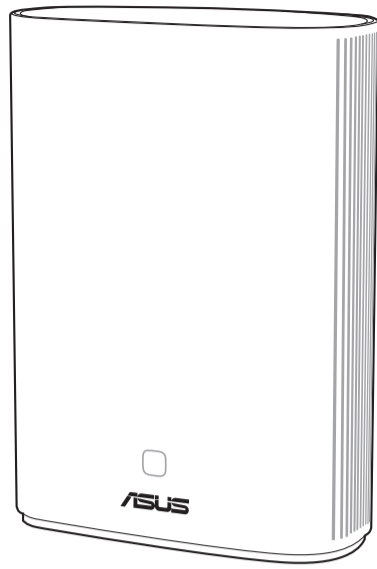# Quick Start Guide

ASUS ZenWiFi XP4

AX1800 + AV1300 Dual-band Powerline
Mesh WiFi6 Router
Model: XP4

E17218 / First Edition / August 2020

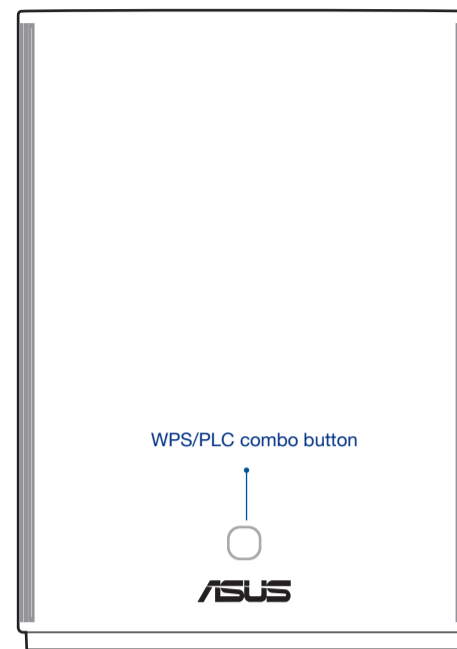### Specifications

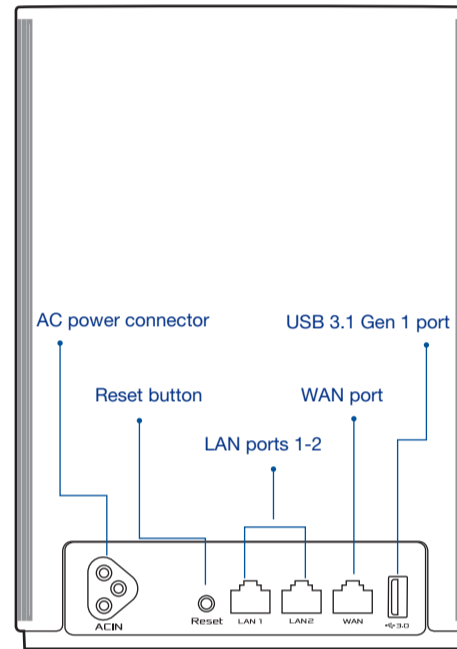| AC Power input	100 - 240V AC +50/60Hz, 1A		
Operating Temperature	0~40°C	Storage	0~70°C
Operating Humidity	50~90%	Storage	20~90%

ZenWiFi Hybrid XP4 LED indications

- **Solid blue**
  Your AiMesh router or node is ready for setup.
- **Solid white**
  Your AiMesh router or node is online and works well.
- **Solid amber**
  The signal between your AiMesh router and the node is weak.
- **Solid red**
  Your AiMesh router has no Internet connection.
  Your AiMesh node is disconnected from the router.
- **Blinking blue**
  Your AiMesh router is applying new settings.
- **Blinking amber**
  Your AiMesh router or node is resetting.
- **Solid purple**
  Your AiMesh router or node is in rescue mode.
- **Solid green**
  Your AiMesh router or node is switching to another channel caused by system rebooting or radar signals detected on the current channel.

Hardware Explanations

ZenWiFi XP4 Overview

WPS/PLC combo button

XP4

AC power connector
Reset button
LAN ports 1-2
USB 3.1 Gen 1 port
WAN port

XP4

- ○ **WPS/PLC combo button**
  Press this button to start WPS or PLC pairing.
  WPS pairing: Press the buttons on XP4 and a new wireless client to establish WiFi connection.
  PLC pairing: Press the buttons on XP4 in the existing Mesh System and a new XP4 device. After a short time, the new XP4 device will be integrated into your existing Mesh System.

- ○ **AC power connector**
  Connect one end of the bundled power cord to this connector and the other end to a wall socket.

- ○ **Reset button**
  Press this button to reset or restore the system to its factory settings.

- ○ **LAN ports 1-2**
  Connect network cables into these ports to establish LAN connection.

- ○ **WAN port**
  Connect a network cable into this port to establish WAN connection.
  * If you use XP4 as an AiMesh node, you can connect a network cable from a LAN port of an AiMesh router to its WAN port for uplink connection of Ethernet backhaul.

- ○ **USB 3.1 Gen 1 port**
  Insert a USB 3.1 Gen 1/ USB 2.0 device such as a USB disk or USB 3G/4G modem into this port.
  * If you use XP4 as an AiMesh node, the USB port supports function of AiDisk and macOS backup.

ASUS Router App

Download free ASUS Router APP to set up and manage your router(s).

🔍 **ASUS Router**

GET IT ON Google Play

Download on the App Store

AiMesh Setup Steps

01 XP4 works as an AiMesh router by default. You can also add it to an existing AiMesh system as an AiMesh node.

- As an AiMesh router: Use a network cable to connect your modem to the WAN port of XP4. (Skip to Step **02**)

- As an AiMesh node: Place the node within 3 meters of the router during the setup process. Connect your AiMesh node to the AiMesh router via the following ways:
  A. WiFi Backhaul connection (Skip to Step **02**).
  B. Ethernet Backhaul connection: Connect an Ethernet cable from the LAN port of the AiMesh router to the WAN port of the AiMesh node.
  C. Powerline Backhaul connection (Skip to Step **02**).

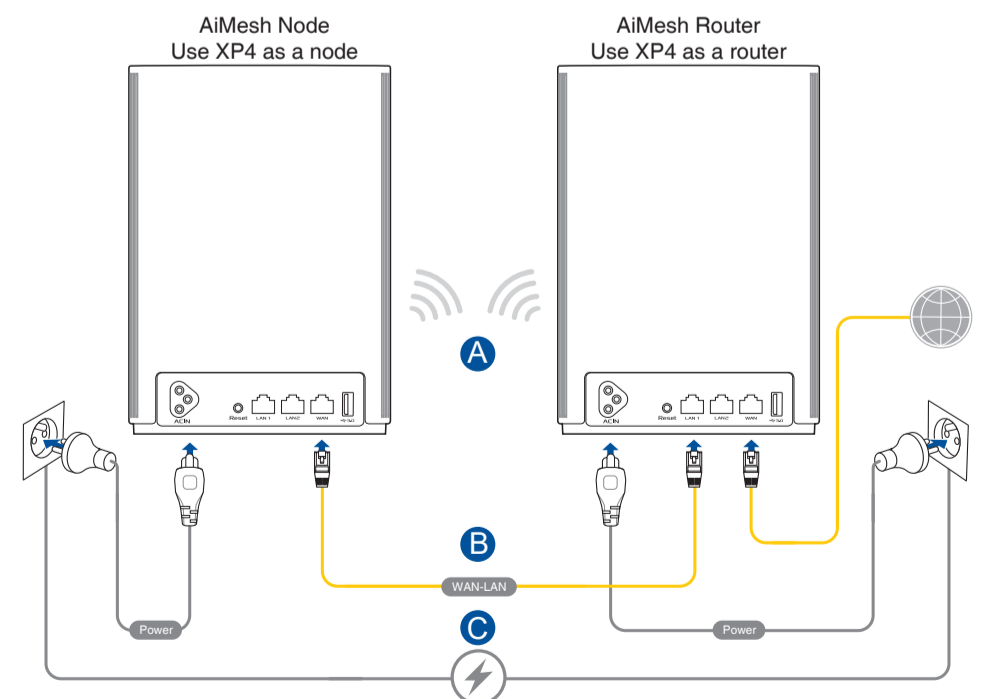**02** Connect XP4 to a wall socket using the bundled power cord.

  NOTES:
  - Do not use a power extension cord to avoid degrading HomePlug signal and reducing data transfer speeds.
  - To minimize powerline interference, connect the power cord to a wall socket directly.
  - Plug the power cord to a 3-prong outlet instead of a 2-prong one for higher data transfer speeds.

03 Wait until the LED turns solid blue indicating that the device is ready for the setup.

04 Enable Bluetooth on your phone and launch ASUS Router APP. Do either of the following and follow the onscreen instructions to finish the AiMesh setup.
  - Press **Set up a new network** if you use XP4 as an AiMesh router; or
  - Press **Add AiMesh node** if you use XP4 as an AiMesh node.

AiMesh Node
Use XP4 as a node

AiMesh Router
Use XP4 as a router

A
B
WAN-LAN
C
Power
Power

NOTE: To set the AiMesh router to access point mode, go to web GUI (http://router.asus.com), and go to the page **Administration** > **Operation Mode**.

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.

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 35 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.

For product available in the US/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

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.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit.

The maximum antenna gain permitted for devices in the band 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate.

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 35 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

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

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.

Pour les produits disponibles aux États-Unis et au Canada, seuls les canaux 1 à 11 peuvent être utilisés. La sélection d'autres canaux n'est pas possible.

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.

De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.

le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

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 35 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

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

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.
• DO NOT mount this equipment higher than 2 meters.

• Utilisez ce produit dans un environnement dont la température ambiante est comprise entre 0˚C (32˚F) et 40˚C (104°F).
• Référez-vous à l'étiquette située au dessous du produit pour vérifier que l'adaptateur secteur répond aux exigences de tension.
• NE PAS placer sur une surface irrégulière ou instable. Contactez le service après-vente si le châssis a été endommagé.
• NE PAS placer, faire tomber ou insérer d'objets sur/dans le produit.
• NE PAS exposer l'appareil à la pluie ou à l'humidité, tenez-le à distance des liquides. NE PAS utiliser le modem lors d'un orage.
• NE PAS bloquer les ouvertures destinées à la ventilation du système pour éviter que celui-ci ne surchauffe.
• NE PAS utiliser de cordons d'alimentation, d'accessoires ou autres périphériques endommagés.
• Si l'adaptateur est endommagé, n'essayez pas de le réparer vous-même. Contactez un technicien électrique qualifié ou votre revendeur.
• Pour éviter tout risque de choc électrique, débranchez le câble d'alimentation de la prise électrique avant de toucher au système.
• Ne placez pas cet appareil à une hauteur supérieure à 2 mètres.

ASUS Contact information

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Technical Support

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ASUS COMPUTER GmbH (Germany and Austria)

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Online contact	https://www.asus.com/support/Product/ContactUs/Services/questionform/?lang=de-de

Technical Support

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Online support	https://www.asus.com/de/support

Networks Hotline Information

Area	Country / Region	Hotline Numbers	Service Hours
Americas	USA	1-812-282-2787	8:30-12:00 EST Mon-Fri
	Canada		9:00-18:00 EST Sat-Sun
	Mexico	001-8008367847	08:00-20:00 CST Mon-Fri
			08:00-15:00 CST Sat
	Brazil	4003 0988 (Capital) 0800 880 0988 (demais localidades)	9:00am-18:00 Mon-Fri