ASUS ZenWiFi AC (CT8)

ASUS ZenWiFi AC Whole-Home Tri-Band Mesh System (CT8) Instruction Manual

Model: ZenWiFi AC (CT8)

1. INTRODUCTION

The ASUS ZenWiFi AC (CT8) is a whole-home tri-band mesh WiFi system designed to provide extensive and reliable wireless coverage throughout your home. This system eliminates WiFi dead zones and ensures a stable connection for all your devices.

Key Features:

- **Extensive Coverage:** Tri-band mesh WiFi system with unique antenna placement delivers strong WiFi to every corner of your home, covering up to 5,400 sq.ft.

- **Seamless Connectivity:** Devices automatically switch to the hub with the strongest WiFi connection, ensuring the best online experience.

- **Easy Setup & Management:** Features a 3-step setup process and convenient management via the ASUS Router App.

- **Advanced Network Security:** Includes lifetime free AiProtection powered by Trend Micro, protecting your privacy on connected devices 24/7.

- **Parental Controls:** Utilize URL filtering and scheduling to manage internet access and protect family members from inappropriate content.

- **AiMesh Supported:** Mix and match ZenWiFi with other AiMesh-compatible routers to form a powerful and flexible whole-home WiFi system.

Figure 1: ASUS ZenWiFi AC (CT8) Mesh System Units

2. WHAT'S IN THE BOX

Your ASUS ZenWiFi AC (CT8) package includes the following items:

- 2 x ZenWiFi AC (CT8) Units
- 2 x Power Adapters
- 1 x Ethernet Cable
- 1 x User Guide

3. PRODUCT OVERVIEW (HARDWARE)

Each ZenWiFi AC (CT8) unit features a sleek design and essential connectivity ports for seamless integration into your home network.
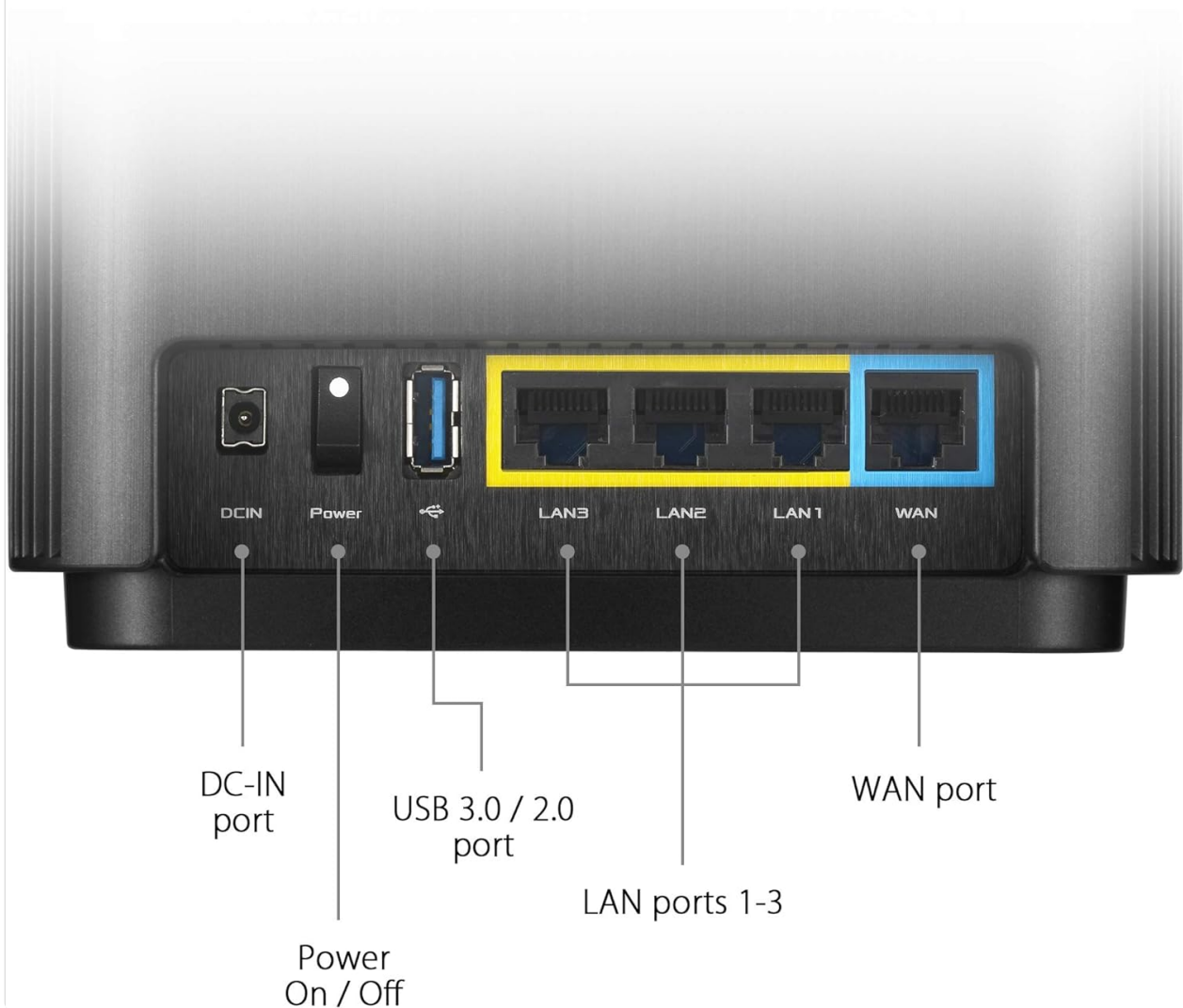
Connectivity for Smart Home

Figure 2: Rear Ports of ASUS ZenWiFi AC (CT8) Unit

Port Descriptions:

- **DC-IN Port:** Connects to the power adapter.

- **Power On/Off Switch:** Toggles the unit's power.

- **USB 3.0/2.0 Port:** For connecting USB devices such as external storage.

- **LAN Ports (LAN1, LAN2, LAN3):** For connecting wired devices to your network.

- **WAN Port:** Connects to your modem for internet access.

4. SETUP

Setting up your ASUS ZenWiFi AC (CT8) mesh system is designed to be quick and straightforward. Follow these general steps to get your network running:

1. **Positioning:** Place your ZenWiFi units strategically to maximize coverage. Ensure they are within a reasonable range of each other and your modem.

2. **Power On:** Connect both ZenWiFi units to power outlets using the provided power adapters and turn them on.

3. **Connect to Modem:** Connect one of the ZenWiFi units (this will be your main router) to your internet modem's LAN port using the provided Ethernet cable. Plug the other end into the WAN port of the ZenWiFi unit.

4. **Download ASUS Router App:** Download and install the ASUS Router App on your smartphone or tablet from your device's app store.

5. **Follow In-App Instructions:** Open the ASUS Router App and follow the on-screen instructions to detect and configure your ZenWiFi system. The app will guide you through creating your network name (SSID) and password.

6. **Node Pairing:** The app will automatically detect and pair the second ZenWiFi unit (node) to extend your mesh network.
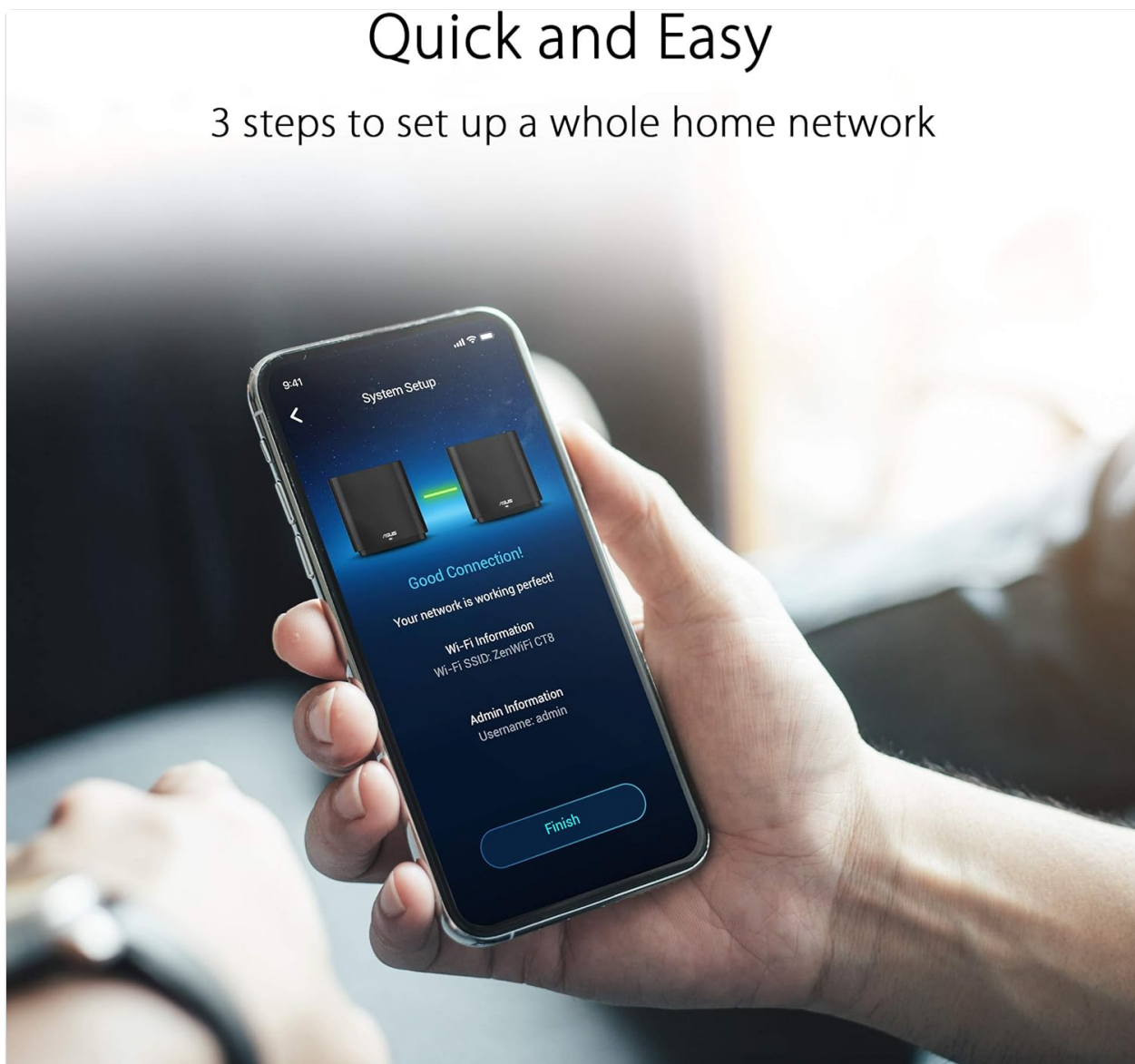

Figure 3: ASUS Router App for Quick Setup

Setup Video Guide:

Video 1: This video provides a step-by-step guide on how to set up your ASUS ZenWiFi mesh network using the ASUS Router App, demonstrating the initial connection and configuration process.

5. OPERATING

Once your ASUS ZenWiFi AC (CT8) system is set up, it operates to provide a seamless and secure wireless

experience.

Network Management with ASUS Router App:

The ASUS Router App is your central hub for managing your mesh network. Through the app, you can:

- Monitor network status and connected devices.

- Configure Wi-Fi settings, including SSID and password.

- Activate and manage AiProtection for network security.

- Set up and customize Parental Controls for internet usage.

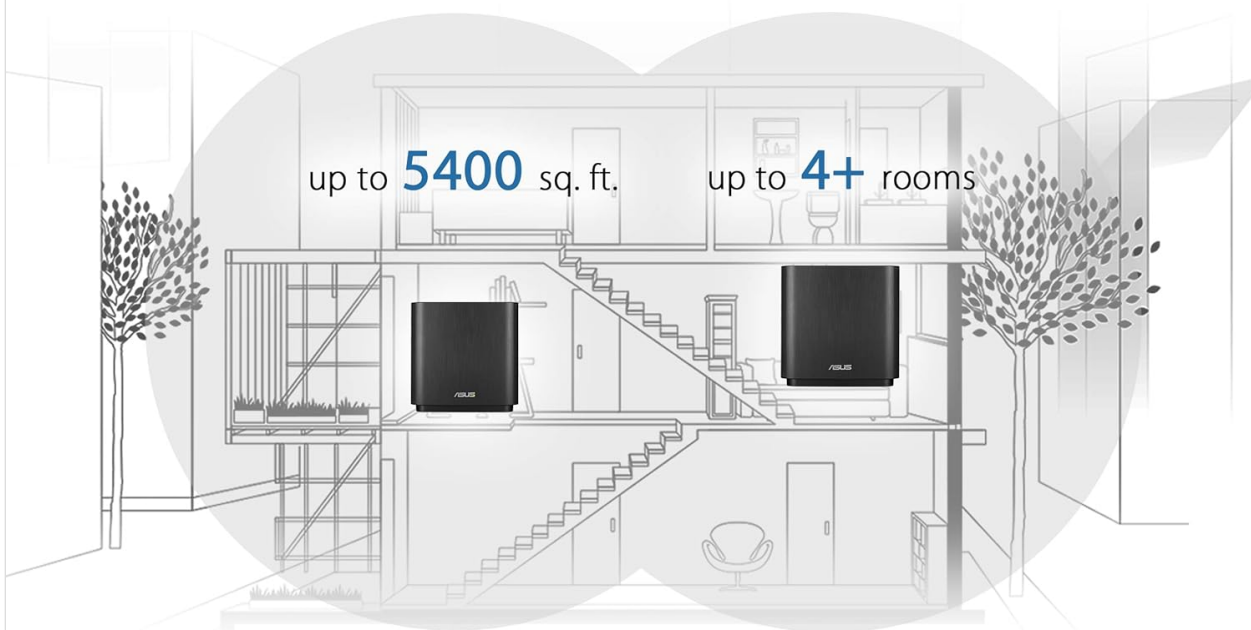- Optimize network performance and check signal quality for each node.

Figure 4: Whole-Home WiFi Coverage

Tri-Band Whole Home WiFi System

Dedicated backhaul for fast and stable WiFi

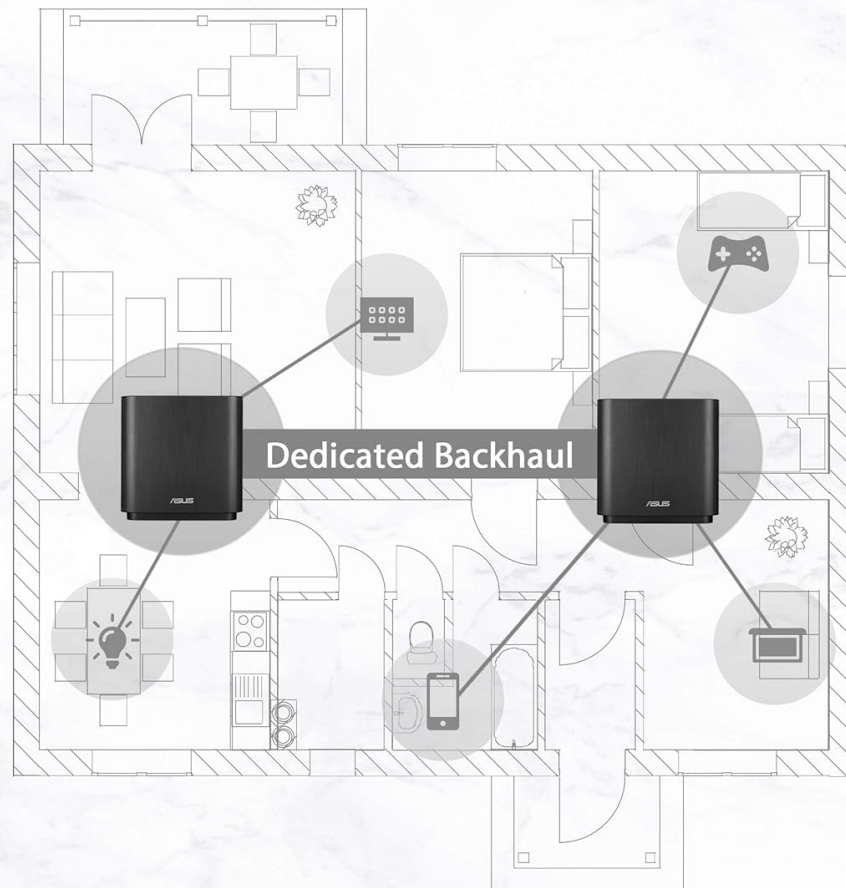*Figure 5: Tri-Band Whole Home WiFi System with Dedicated Backhaul*

Figure 6: AiProtection Pro for Network Security and Parental Controls

6. MAINTENANCE

To ensure optimal performance and longevity of your ASUS ZenWiFi AC (CT8) system, consider the following maintenance tips:

- **Firmware Updates:** Regularly check for and install firmware updates via the ASUS Router App or web interface. Updates often include performance improvements and security patches.

- **Proper Ventilation:** Ensure your ZenWiFi units are placed in well-ventilated areas to prevent overheating. Avoid covering them or placing them in enclosed spaces.

- **Periodic Restart:** Occasionally restarting your router and nodes can help clear temporary issues and improve network stability.

- **Cleanliness:** Keep the units free from dust and debris. Use a soft, dry cloth for cleaning.

7. TROUBLESHOOTING

If you encounter issues with your ASUS ZenWiFi AC (CT8) system, try the following basic troubleshooting steps:

- **No Internet Connection:**

  - Check if your modem is working correctly.

  - Ensure all Ethernet cables are securely connected.

  - Restart your modem and then your ZenWiFi units.

- **Weak WiFi Signal:**

  - Relocate your ZenWiFi nodes to optimize coverage, using the ASUS Router App to check signal strength.

  - Ensure there are no major obstructions (e.g., thick walls, large metal objects) between the units.

- **Device Disconnections:**

  - Update the firmware of your ZenWiFi system.

  - Check for interference from other electronic devices.

  - Restart the affected devices and the ZenWiFi system.

- **App Issues:**

  - Ensure your ASUS Router App is updated to the latest version.

  - Clear the app's cache or reinstall it if problems persist.

8. SPECIFICATIONS

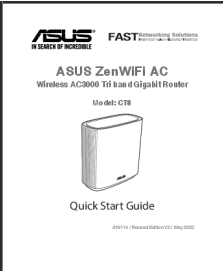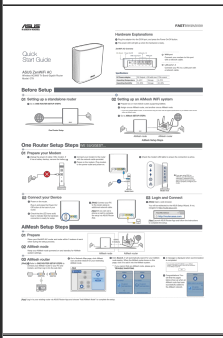| Feature	Specification
Product Dimensions	6.3 x 2.95 x 6.36 inches
Item Weight	6.42 pounds (2.92 Kilograms)
ASIN	B081ZVFN64
Item Model Number	ZenWiFi AC (CT8 2PK) Charcoal
Brand	ASUS
Model Name	ZenWiFi AC (CT8 2PK) Charcoal
Frequency Band Class	Tri-Band
Wireless Communication Standard	802.11a, 802.11ac, 802.11b, 802.11g, 802.11n
Compatible Devices	Personal Computer
Recommended Uses For Product	Security
Connectivity Technology	Ethernet, Wi-Fi, Wired, Wireless
Manufacturer	ASUS
Date First Available	January 23, 2020

9. WARRANTY AND SUPPORT
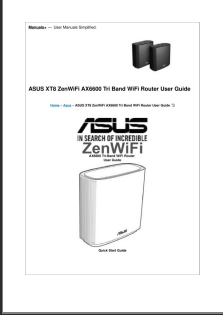
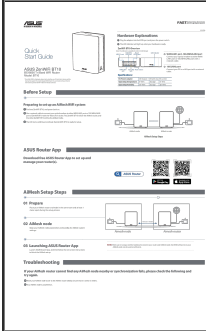For warranty information, technical support, or additional resources, please visit the official ASUS support website.

ASUS Support Website: ASUS Official Store on Amazon

10. LEGAL DISCLAIMER

Disclaimer: Actual data throughput and WiFi coverage will vary from network conditions and environmental factors, including the volume of network traffic, building material and construction, and network overhead, resulting in lower actual data throughput and wireless coverage.
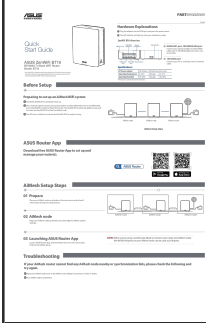
Related Documents - ZenWiFi AC (CT8)

	ASUS ZenWiFi AC CT8 Quick Start Guide Get started with your ASUS ZenWiFi AC CT8 router. This quick start guide provides essential information on setup, hardware, troubleshooting, and FAQs for the AC3000 Tri-band Gigabit Mesh WiFi system.
	ASUS ZenWiFi AC CT8 Quick Start Guide Concise guide for setting up the ASUS ZenWiFi AC CT8 Wireless AC3000 Tri Band Gigabit Router, covering standalone and AiMesh system configurations, troubleshooting, and essential safety information.
	ASUS ZenWiFi Pro XT12: AX11000 Tri-Band WiFi 6 Mesh System Quick Start Guide Get started with your ASUS ZenWiFi Pro XT12 AX11000 Tri-Band WiFi 6 Mesh System. This guide provides setup instructions, features, and troubleshooting for seamless whole-home coverage.
	ASUS ZenWiFi XT8 AX6600 Tri-Band WiFi 6 Router User Guide This user guide provides comprehensive instructions for the ASUS ZenWiFi XT8 AX6600 Tri-Band WiFi 6 Router, detailing setup, features, troubleshooting, specifications, and safety information.

[ASUS ZenWiFi BT10 BE18000 Tri Band WiFi Router Quick Start Guide](#)
This guide provides quick setup instructions, hardware explanations, AiMesh system setup steps, and troubleshooting tips for the ASUS ZenWiFi BT10 BE18000 Tri Band WiFi Router.

[ASUS ZenWiFi BT10 Quick Start Guide: Setup and AiMesh Configuration](#)
Concise guide to setting up the ASUS ZenWiFi BT10 BE18000 Tri Band WiFi Router, including AiMesh system configuration, troubleshooting, and regulatory information.