

TP-Link Deco BE65

TP-Link Deco BE65 BE9300 Tri-Band Wi-Fi 7 Mesh System User Manual

1. INTRODUCTION

The TP-Link Deco BE65 is a Tri-Band Wi-Fi 7 Mesh System designed to deliver ultra-fast, reliable, and expansive wireless coverage throughout your home or office. Utilizing the latest Wi-Fi 7 technology, the Deco BE65 provides speeds up to BE9300 Mbps, ensuring smooth 4K/8K streaming, VR gaming, and seamless connectivity for up to 200 devices. Its advanced features, including 4x 2.5 Gbps ports and WPA3 encryption, offer a robust and secure network experience.

2. PACKAGE CONTENTS

The TP-Link Deco BE65(1-pack) includes the following items:

- 1x Deco BE65 Unit
- Power Adapters
- Instruction Manual

3. PRODUCT OVERVIEW

The Deco BE65 unit features a sleek, cylindrical design with a status LED at the base. The rear panel houses all necessary ports for connectivity.



Figure 1: Front view of the Deco BE65 unit, showcasing its minimalist design.



Figure 2: Rear view of the Deco BE65 unit, highlighting the connectivity ports.

Ports and Buttons:

- **4x 2.5 Gbps Ethernet Ports:** These ports support high-speed wired connections for devices like PCs, gaming consoles, or network-attached storage (NAS). They can function as either WAN or LAN ports, automatically adapting based on connection.
- **1x USB 3.0 Port:** For connecting external storage devices to share files across your network.
- **Power Port:** Connects to the included power adapter.
- **WPS Button:** For easy, secure connection of Wi-Fi Protected Setup (WPS) compatible devices.
- **Reset Button:** Used to restore the device to factory default settings.

LED Indicator:

The LED at the base of the Deco BE65 unit indicates its status:

- **Solid Green:** Deco is working correctly.
- **Pulsing Blue:** Deco is ready for setup.
- **Solid Red:** Deco has an issue (e.g., no internet connection).

4. SETUP INSTRUCTIONS

Setting up your TP-Link Deco BE65 Mesh System is a straightforward process primarily guided by the Deco mobile application.

1. **Download the Deco App:** Search for 'TP-Link Deco' in the App Store (iOS) or Google Play Store (Android) and install the application on your smartphone or tablet.
2. **Power Off Your Modem:** Disconnect the power from your existing modem/router and any other connected devices. Wait for at least 1-2 minutes.
3. **Connect the Deco Unit:**
 - Connect one end of the provided Ethernet cable to one of the 2.5 Gbps Ethernet ports on your Deco BE65 unit.
 - Connect the other end of the Ethernet cable to your modem's LAN port.
 - Plug in the power adapter to your Deco BE65 unit and then into a power outlet. The LED on your Deco unit will begin pulsing blue, indicating it's ready for setup.
4. **Power On Your Modem:** Reconnect the power to your modem/router. Wait for it to fully boot up and establish an internet connection (usually indicated by a stable LED on your modem).
5. **Launch the Deco App:** Open the TP-Link Deco app on your mobile device.
6. **Follow In-App Instructions:** The app will automatically detect your Deco unit and guide you through the remaining setup steps, including creating your Wi-Fi network name (SSID) and password.

The Deco BE65 features auto-sensing ports, meaning you don't need to worry about which 2.5 Gbps port to use for the WAN connection; the device will automatically detect it.

5. OPERATING INSTRUCTIONS

The TP-Link Deco app provides a user-friendly interface for managing your mesh network.

5.1 Deco App Overview

The Deco app offers a comprehensive dashboard to monitor your network status, connected devices, and internet speed. It provides a visual representation of your Deco units and their connections.

5.2 Wi-Fi Settings

Within the app, you can customize your Wi-Fi network:

- **Network Name (SSID) & Password:** Change your main Wi-Fi network's name and password.
- **Wi-Fi Bands:** The Deco BE65 supports Tri-Band Wi-Fi (2.4 GHz, 5 GHz, and 6 GHz). The system intelligently manages devices across these bands for optimal performance.
- **Guest Network:** Create a separate Wi-Fi network for guests, keeping your main network secure.
- **IoT Network:** Establish a dedicated 2.4 GHz network specifically for your smart home (IoT) devices. This isolates them from your main network for enhanced security and stability.



Figure 3: Overview of Deco BE65 capabilities, including multi-gigabit speeds and extensive device support.

5.3 VPN Support

The Deco BE65 supports VPN functionality, allowing you to secure your network traffic and access your home network remotely.

- **VPN Client:** Connect your entire network to a VPN service, protecting all connected devices.
- **VPN Server:** Access your home network securely from anywhere using a VPN connection.

5.4 Quality of Service (QoS)

Prioritize specific devices or activities (e.g., gaming, streaming) to ensure optimal performance even when the network is busy.

5.5 Parental Controls

Manage and monitor internet usage for family members:

- **Content Filtering:** Block inappropriate websites and content categories.
- **Time Limits:** Set daily online time limits for specific devices or users.
- **Bedtime:** Schedule internet access pauses for specific times.

6. NETWORK OPTIMIZATION

The Deco BE65 utilizes AI-driven mesh technology to continuously learn and adapt to your network environment, ensuring optimal connection as you move from room to room. It also supports flexible backhaul options.



Figure 4: Flexible backhaul allows Deco units to connect via wired Ethernet or wirelessly across 2.4 GHz, 5 GHz, or 6 GHz bands.

6.1 Flexible Backhaul

The Deco BE65 supports both wireless and wired backhaul connections. This means your Deco units can communicate with each other either wirelessly (using the 2.4 GHz, 5 GHz, or 6 GHz bands) or via an Ethernet cable, providing flexibility and ensuring stable connections.

6.2 AI-Driven Mesh

The built-in AI-Roaming technology delivers optimal connection as you move throughout your home, ensuring seamless transitions between Deco units and minimizing interference.

7. TROUBLESHOOTING

If you encounter issues with your Deco BE65 system, consider the following basic troubleshooting steps:

- **Check Connections:** Ensure all Ethernet cables are securely plugged into the correct ports on both your Deco unit and modem.
- **Reboot Devices:** Power off your modem and Deco unit(s), wait for 30 seconds, then power them back on. Allow each device to fully boot up.
- **Check LED Status:** Refer to the LED indicator section (Section 3.2) to understand the current status of your Deco unit.
- **Use Deco App Diagnostics:** The Deco app often includes diagnostic tools that can help identify and resolve common network issues.
- **Reset to Factory Defaults:** If issues persist, you may need to perform a factory reset using the reset button on the back of the Deco unit. Note that this will erase all custom settings.

8. SPECIFICATIONS

Feature	Detail
Product Dimensions	5.94 x 5.94 x 10.89 inches
Item Weight	2.86 pounds
Model Name	Deco BE65 (1-pack)
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Wireless Communication Standard	802.11ax (Wi-Fi 7)
Connectivity Technology	Wi-Fi
Ethernet Ports	4x 2.5 Gbps (WAN/LAN auto-sensing)
USB Port	1x USB 3.0
Special Feature	QoS (Quality of Service)
Compatible Devices	Compatible with All Devices
Recommended Uses	Business, Gaming, Home
Color	White

9. SUPPORT

For further assistance, technical support, or to access the latest firmware updates, please visit the official TP-Link website or contact their customer support.

Related Documents - Deco BE65

	<p>TP-Link Deco BE9300 Whole Home Mesh Wi-Fi 7 System (Deco BE65) - Ultimate Connectivity</p> <p>Explore the TP-Link Deco BE9300 Whole Home Mesh Wi-Fi 7 System (Deco BE65), featuring ultimate 2.5 Gbps connectivity, seamless AI-driven mesh, enhanced security with HomeShield, and robust features for a superior home network experience.</p>
	<p>TP-Link Deco BE65 User Guide: Ultimate 2.5 Gbps Whole Home Mesh Wi-Fi 7 System</p> <p>Comprehensive user guide for the TP-Link Deco BE65 BE11000 Whole Home Mesh Wi-Fi 7 System, covering setup, appearance, troubleshooting, and regulatory information for optimal 2.5 Gbps connectivity.</p>
	<p>TP-Link Deco BE65 BE9300 Whole Home Mesh Wi-Fi 7 System User Guide</p> <p>User guide for the TP-Link Deco BE65 BE9300 Whole Home Mesh Wi-Fi 7 System, detailing setup, features, troubleshooting, and regulatory compliance.</p>
	<p>AXE5400 Tri-Band Mesh Wi-Fi 6E System User Guide</p> <p>Comprehensive user guide for the AXE5400 Tri-Band Mesh Wi-Fi 6E System, covering setup, troubleshooting, and technical specifications. Learn how to enhance your home network with TP-Link's advanced Wi-Fi technology.</p>
	<p>TP-Link Deco Whole Home Mesh Wi-Fi 6 System User Guide</p> <p>Comprehensive user guide for the TP-Link Deco Whole Home Mesh Wi-Fi 6 System (AX6600/AX5700), covering setup, features, advanced settings, troubleshooting, and regulatory information.</p>
	<p>TP-Link Deco Whole Home Mesh Wi-Fi 6 System User Guide</p> <p>Comprehensive user guide for the TP-Link Deco Whole Home Mesh Wi-Fi 6 System (AX6600/AX5700, Deco X90/Deco X5700), covering setup, features, management, and troubleshooting. Includes regulatory information.</p>