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> Ruckus T750 Outdoor Wireless Access Point User Manual

## Ruckus Wireless 901-T750-US01

# Ruckus T750 Outdoor Wireless Access Point

## USER MANUAL

### 1. Product Overview

The Ruckus T750 is the Wi-Fi Industry's first and highest performing outdoor Wi-Fi 6 (802.11ax) Access Point. It integrates Ruckus's patented technologies and a robust industrial-grade design with a high-performance 4x4:4 Wi-Fi 6 platform. This combination delivers industry-leading Wi-Fi performance, reliability, and coverage, making it ideal for challenging high-density outdoor deployments. The T750 supports an aggregate throughput of 2.4Gbps in the 5GHz band and 1.148Gbps in the 2.4GHz band, featuring Omnidirectional Beamflex+ coverage, a 2.5G Ethernet port, a 10/100/1000 Ethernet port, and supports 100-240 Vac, POE in, and PSE out.



**Figure 1:** Ruckus T750 Outdoor Wireless Access Point. This image displays the Ruckus T750 Outdoor Wireless Access Point. The device is a rectangular, light-colored unit with a slightly domed top. Along one side, several ports and indicators are visible. From left to right, these include an SFP port, a PoE IN/RESET port, a PoE OUT port, and a series of small LED indicators labeled PWR, CTL, AIR, 2.4G, and 5G.

Further to the right, an AC power input is present. The overall design suggests a robust, outdoor-ready enclosure.

## 2. Setup Guide

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### 2.1 Package Contents

Verify that all components are present in the package:

- Ruckus T750 Outdoor Wireless Access Point
- Mounting Bracket (if included with specific model variant)
- Documentation (Quick Start Guide, Safety Information)

### 2.2 Mounting Options

The T750 is designed for outdoor deployment and can be mounted on a pole or wall using the appropriate mounting hardware (sold separately or included with specific kits). Ensure the mounting location provides clear line-of-sight for optimal wireless performance and is accessible for power and network cabling.

### 2.3 Powering the Device

The T750 can be powered via Power over Ethernet (PoE) through the PoE IN/RESET port or directly via an AC power source using the AC input. Use a compatible PoE injector or PoE-enabled switch that meets the device's power requirements. Ensure the power source is stable and provides adequate voltage.

### 2.4 Network Connection

Connect the T750 to your network using one of the available Ethernet ports. The device features a 2.5G Ethernet port and a 10/100/1000 Ethernet port. For optimal performance, connect to a network switch or router capable of supporting the respective speeds.

## 3. Operation

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### 3.1 LED Indicators

The Ruckus T750 features several LED indicators to provide status information:

- **PWR:** Indicates power status.
- **CTL:** Indicates controller connectivity or management status.
- **AIR:** Indicates general wireless activity.
- **2.4G:** Indicates activity on the 2.4 GHz wireless band.
- **5G:** Indicates activity on the 5 GHz wireless band.

Refer to the full product documentation for detailed LED behavior and troubleshooting based on their states (e.g., solid, blinking, color).

### 3.2 Basic Configuration

Initial configuration of the T750 typically involves connecting it to a Ruckus controller (e.g., SmartZone, ZoneDirector, or Ruckus Cloud) or configuring it in standalone mode. Access the device's web interface or controller management console to set up wireless networks (SSIDs), security protocols, and other network parameters. Consult the Ruckus documentation specific to your chosen management platform for detailed configuration steps.

## 4. Maintenance

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### 4.1 Cleaning

Periodically inspect the exterior of the T750 for dirt, dust, or debris accumulation. Use a soft, dry cloth to gently clean the

surface. Do not use liquid cleaners or abrasive materials, as they may damage the enclosure or internal components. Ensure all cable glands and port covers are securely fastened to maintain the device's weather resistance.

## 4.2 Firmware Updates

Regularly check for and apply firmware updates provided by Ruckus Wireless. Firmware updates often include performance enhancements, security patches, and new features. Follow the instructions provided with the firmware update package and ensure a stable power supply during the update process to prevent interruption.

## 5. Troubleshooting

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### 5.1 Common Issues

- **No Power:** Check power source (PoE or AC) and cable connections. Verify the PWR LED is illuminated.
- **No Network Connectivity:** Ensure Ethernet cables are securely connected. Check network switch/router status. Verify CTL LED status.
- **Poor Wireless Performance:** Check for obstructions, interference, or excessive distance from client devices. Verify 2.4G and 5G LEDs indicate activity. Consider adjusting channel settings or power levels.
- **Device Unresponsive:** Attempt a soft reboot by cycling power. If the issue persists, consider a factory reset.

### 5.2 Resetting the Device

To perform a factory reset, locate the PoE IN/RESET port. With the device powered on, use a paperclip or similar pointed object to press and hold the reset button inside this port for approximately 10-15 seconds until the LEDs change behavior, indicating a reset. This will restore the device to its factory default settings, requiring re-configuration.

## 6. Technical Specifications

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Feature	Specification
Model Number	901-T750-US01
Wi-Fi Standard	802.11ax (Wi-Fi 6)
Antenna Configuration	4x4:4 Stream
Frequency Bands	2.4GHz and 5GHz (Concurrent Dual Band)
Max Throughput (5GHz)	2.4 Gbps
Max Throughput (2.4GHz)	1.148 Gbps
Ethernet Ports	1x 2.5G Ethernet, 1x 10/100/1000 Ethernet
Power Input	100-240 Vac, PoE In, PSE Out
Item Weight	10.08 pounds
Manufacturer	Ruckus Wireless
First Available Date	August 24, 2020

## 7. Warranty and Support

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This Ruckus Wireless product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Ruckus Wireless website. For technical

support, product inquiries, or service requests, please contact Ruckus Wireless customer support or your authorized Ruckus partner. Ensure you have your product model number (901-T750-US01) and any relevant purchase information ready when seeking support.