

QuWireless A950S

QuWireless A950S QuSpot LTE, Wi-Fi, and GPS Antenna

Model: A950S | **Brand:** QuWireless

User Instruction Manual

1. INTRODUCTION

Thank you for choosing the QuWireless A950S QuSpot Antenna. This device is an integrated solution designed to provide robust LTE, Wi-Fi, and GPS connectivity. It features an omnidirectional LTE antenna, an omnidirectional Wi-Fi antenna, and a GPS antenna, all housed within a single enclosure. The QuSpot A950S also includes dedicated space for mounting a RUT950/900 series router (router not included), creating a compact and efficient communication hub. This manual provides essential information for the proper installation, operation, and maintenance of your QuWireless A950S antenna.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the device. Failure to follow these guidelines may result in injury, damage to the device, or voiding of the warranty.

- Ensure the device is installed by qualified personnel.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight beyond its specified operating conditions.
- Avoid installing the antenna near high-voltage power lines or other electrical hazards.
- Use only approved cables and connectors.
- Disconnect power before performing any maintenance or installation procedures.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- QuWireless A950S QuSpot Antenna Unit
- Mounting Kit (brackets, screws, nuts)
- Quick Start Guide (if applicable)
- Warranty Card (if applicable)

Note: The RUT950/900 series router is not included and must be purchased separately.

4. PRODUCT OVERVIEW

The QuWireless A950S QuSpot is a robust outdoor antenna solution designed for various applications requiring reliable wireless connectivity. It integrates multiple antenna types into a single, durable enclosure.

4.1 Key Features

- **Multiband Antenna:** Supports LTE (694-2700 MHz), Wi-Fi (2400-6000 MHz), and GPS frequencies.
- **Integrated Design:** Combines LTE, Wi-Fi, and GPS antennas in one unit.
- **Router Compartment:** Internal space for mounting a Teltonika RUT950/900 series router.
- **Omnidirectional Coverage:** Provides 360-degree signal reception for LTE and Wi-Fi.
- **Durable Enclosure:** Designed for outdoor use, offering protection against environmental elements.

4.2 Component Identification



Figure 1: QuWireless A950S QuSpot Antenna. This image displays the compact, cylindrical design of the QuSpot antenna, highlighting its robust enclosure suitable for outdoor installations. The antenna features multiple ports for connectivity, typically located at the base, and is designed for pole or wall mounting.

Refer to the diagram above for a visual representation of the antenna. Specific port labels and mounting points are detailed in the setup section.

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. Follow these steps carefully.

5.1 Site Selection

- Choose a location with clear line-of-sight to cellular towers and Wi-Fi coverage areas.
- Mount the antenna as high as possible to minimize obstructions.

- Ensure the mounting surface is sturdy enough to support the antenna's weight and withstand wind loads.

5.2 Mounting the Antenna

1. Assemble the mounting brackets according to the included instructions.
2. Securely attach the brackets to a pole or wall using appropriate hardware.
3. Attach the QuWireless A950S unit to the mounted brackets, ensuring it is firmly fastened and oriented correctly.

5.3 Router Installation (Optional)

If you are integrating a RUT950/900 series router:

1. Open the QuSpot enclosure by unscrewing the designated fasteners.
2. Carefully insert the RUT950/900 router into the designated slot.
3. Connect the router's LTE, Wi-Fi, and GPS antenna ports to the corresponding internal antenna cables of the QuSpot.
4. Connect the router's power and Ethernet cables as required.
5. Close the enclosure, ensuring a watertight seal.

5.4 Cable Connections

- Connect the necessary coaxial cables from the antenna ports to your router or other communication equipment.
- Ensure all connections are tight and properly sealed to prevent moisture ingress.
- Route cables neatly and secure them to prevent damage.

6. OPERATING THE ANTENNA

The QuWireless A950S is a passive antenna system. Its operation is dependent on the connected communication device (e.g., router, modem).

- Once the antenna is physically installed and connected to your communication device, power on the device.
- Refer to your communication device's manual for specific instructions on configuring LTE, Wi-Fi, and GPS settings.
- Monitor signal strength and quality through your connected device's interface to ensure optimal antenna placement and performance.

7. MAINTENANCE

The QuWireless A950S antenna is designed for minimal maintenance. However, periodic checks are recommended to ensure longevity and optimal performance.

- **Visual Inspection:** Annually inspect the antenna and mounting hardware for any signs of damage, corrosion, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the antenna with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.
- **Cable Integrity:** Check all cables for wear, kinks, or damage. Replace any compromised cables immediately.
- **Seal Integrity:** Ensure the enclosure's seals remain intact, especially after opening for router

maintenance.

8. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor LTE/Wi-Fi Signal	Incorrect antenna placement, obstructions, faulty cables, router misconfiguration.	Adjust antenna position, ensure clear line-of-sight, check cable connections, verify router settings.
No GPS Signal	Antenna not connected, GPS receiver disabled in router, poor satellite visibility.	Ensure GPS antenna is connected, enable GPS in router settings, ensure clear view of the sky.
Water Ingress in Enclosure	Improper sealing after opening, damaged seals.	Ensure all screws are tightened and seals are properly seated. Replace damaged seals if necessary.

If the problem persists, contact QuWireless technical support or your reseller for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	A950S
LTE Frequency Range	694 - 2700 MHz
Wi-Fi Frequency Range	2400 - 6000 MHz
Antenna Type	Omnidirectional LTE, Omni Wi-Fi, GPS
Product Dimensions	6.3 x 6.3 x 9.45 inches
Item Weight	3.3 pounds
Manufacturer	QuWireless
ASIN	B093HLWSSF
UPC	748528967008

10. PRODUCT VIDEOS

No official product videos from the seller are available for this item at this time.

11. WARRANTY AND SUPPORT

QuWireless products are designed for reliability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official QuWireless website. Keep your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or to report issues, please contact your authorized

QuWireless reseller or QuWireless customer service directly. Contact information can typically be found on the QuWireless website or in your product documentation.