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› [ABBREE PL259 Gooseneck Foldable Dual Band VHF/UHF Antenna Instruction Manual](#)

ABBREE PL259 Gooseneck Foldable CS Tactical 48.8inch Dual Band VHF/UHF 144/430MHz Antenna

ABBREE PL259 Gooseneck Foldable Dual Band VHF/UHF Antenna Instruction Manual

Model: PL259 Gooseneck Foldable CS Tactical 48.8inch Dual Band VHF/UHF 144/430MHz Antenna

INTRODUCTION

This instruction manual provides detailed information on the setup, operation, maintenance, and troubleshooting for your ABBREE PL259 Gooseneck Foldable Dual Band VHF/UHF Antenna. Please read this manual thoroughly before using the antenna to ensure proper functionality and longevity.

PRODUCT OVERVIEW

The ABBREE PL259 Gooseneck Foldable Antenna is a high-gain, dual-band antenna designed for VHF (144MHz) and UHF (430MHz) amateur radio applications. Its foldable gooseneck design offers flexibility and portability, making it suitable for mobile, portable, and base station setups. The antenna features a PL-259 connector for wide compatibility with various radio equipment.



Image: The ABBREE PL259 Gooseneck Foldable Dual Band Antenna, showcasing its overall design and PL259 connector.

Key Features:

- **Dual Band Operation:** Supports VHF (144MHz) and UHF (430MHz) frequencies.
- **Gooseneck Design:** Flexible and foldable for easy positioning and storage.
- **High Gain:** Enhances signal reception and transmission.
- **PL-259 Connector:** Standard connector for amateur radio equipment.
- **Durable Construction:** Designed for tactical and outdoor use.

SPECIFICATIONS

Brand	ABBREE
Model	PL259 Gooseneck Foldable CS Tactical Antenna

Frequency Range	VHF 144MHz / UHF 430MHz (Dual Band)
Connector Type	PL-259 (Male)
Impedance	50 Ohms
Maximum Range	124 Centimeters (approx. 48.8 inches)
Item Weight	8.8 ounces
Color	Black

SETUP INSTRUCTIONS

Follow these steps to properly set up your ABBREE PL259 Gooseneck Antenna:

1. **Unpack Components:** Carefully remove the antenna, gooseneck extension, and any adapters from the packaging.



Image: Individual components of the ABBREE PL259 antenna, including the main whip, gooseneck, and connector base.

2. **Assemble Gooseneck (if separate):** If the gooseneck is a separate piece, screw it securely onto the base of the main antenna element. Ensure a snug fit to maintain electrical contact.
3. **Connect to Radio:** Attach the PL-259 connector of the antenna (or gooseneck assembly) to the corresponding SO-239

antenna port on your amateur radio or mobile base station. Hand-tighten only; do not overtighten.



Image: The ABBREE PL259 antenna connected to a portable amateur radio, demonstrating the gooseneck flexibility.

4. **Positioning:** Utilize the flexible gooseneck to position the antenna vertically for optimal performance. For portable or tactical setups, the antenna can be secured to a backpack or other mounting points.

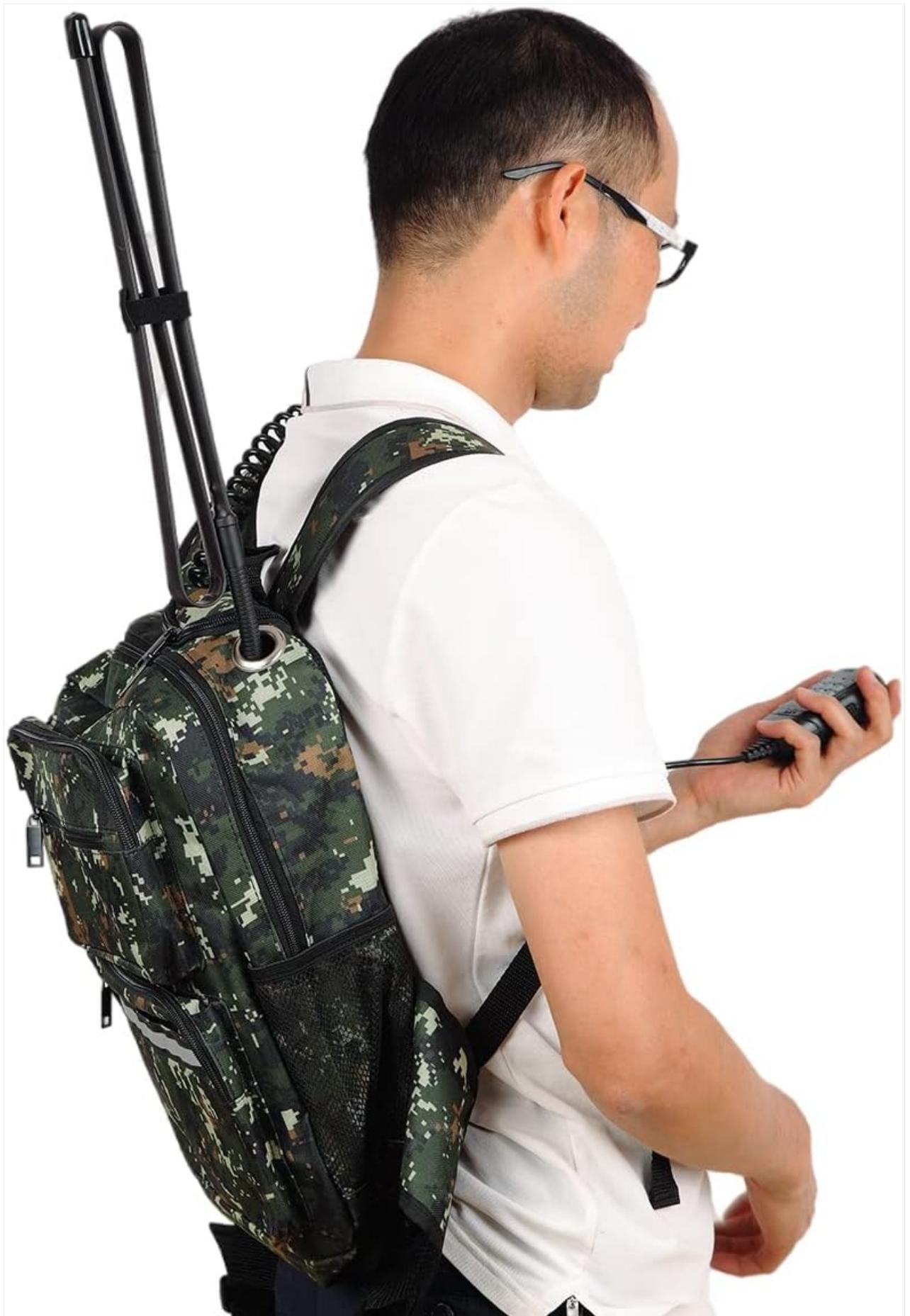


Image: The antenna attached to a backpack, illustrating a portable setup for field operations.

5. **SWR Check:** Before transmitting, it is highly recommended to perform a Standing Wave Ratio (SWR) check using an SWR meter to ensure the antenna is properly tuned for your operating frequency and radio. An SWR below 1.5:1 is generally desirable.

OPERATING GUIDELINES

To achieve the best performance from your ABBREE PL259 antenna, consider the following:

- **Vertical Orientation:** For most VHF/UHF communications, maintain the antenna in a vertical position. The gooseneck allows for easy adjustment.
- **Clear Line of Sight:** Position the antenna as high as possible and with a clear line of sight to maximize signal propagation, especially for simplex operations.
- **Avoid Obstructions:** Keep the antenna away from large metal objects, buildings, or dense foliage that can interfere with signal transmission and reception.
- **Power Levels:** Ensure your radio's output power does not exceed the antenna's maximum power rating (consult your radio's manual for specific power output).
- **Weather Conditions:** While designed for outdoor use, extreme weather conditions (e.g., heavy lightning) may warrant disconnecting the antenna for safety.

MAINTENANCE

Proper maintenance will extend the life and performance of your antenna:

- **Regular Inspection:** Periodically check the antenna for any signs of physical damage, especially to the gooseneck and connector.
- **Clean Connections:** Ensure the PL-259 connector and your radio's SO-239 port are clean and free of dirt or corrosion. Use a soft, dry cloth for cleaning.
- **Storage:** When not in use, store the antenna in a dry, cool place, away from direct sunlight and extreme temperatures. The foldable design allows for compact storage.
- **Avoid Harsh Chemicals:** Do not use abrasive cleaners or solvents on the antenna, as these can damage the materials.

TROUBLESHOOTING

If you encounter issues with your antenna, consider the following common problems and solutions:

Problem	Possible Cause	Solution
Poor Signal Reception/Transmission	<ul style="list-style-type: none">◦ Incorrect antenna positioning◦ Loose or corroded connector◦ Obstructions (buildings, terrain)◦ High SWR	<ul style="list-style-type: none">◦ Ensure antenna is vertical and clear of obstructions.◦ Check and tighten all connections; clean if necessary.◦ Relocate antenna to a higher or clearer position.◦ Perform an SWR check and adjust setup if SWR is high.
Antenna Not Fitting Radio	<ul style="list-style-type: none">◦ Incorrect connector type	<ul style="list-style-type: none">◦ This antenna uses a PL-259 male connector. Ensure your radio has a compatible SO-239 female port or use an appropriate adapter.
Physical Damage to Gooseneck	<ul style="list-style-type: none">◦ Excessive bending or force	<ul style="list-style-type: none">◦ Handle the gooseneck with care. While flexible, extreme force can cause damage.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact ABBREE customer service directly. Contact details can typically be found on the manufacturer's official website or product packaging.

