Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

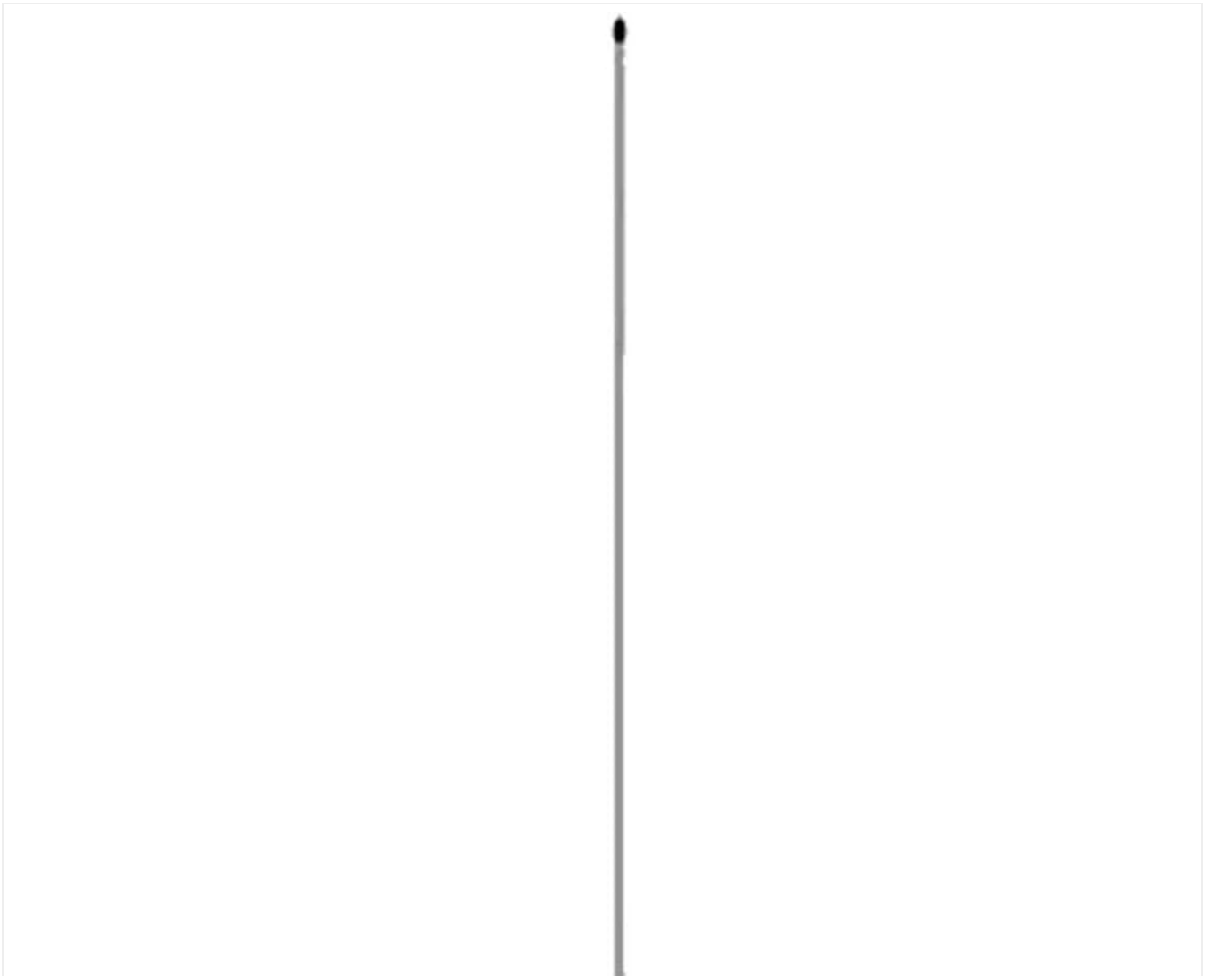
Procomm SP-800/50BNC

Procomm SPIDER Base Station Scanner Antenna User Manual

Model: SP-800/50BNC

Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your Procomm SPIDER Base Station Scanner Antenna. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.



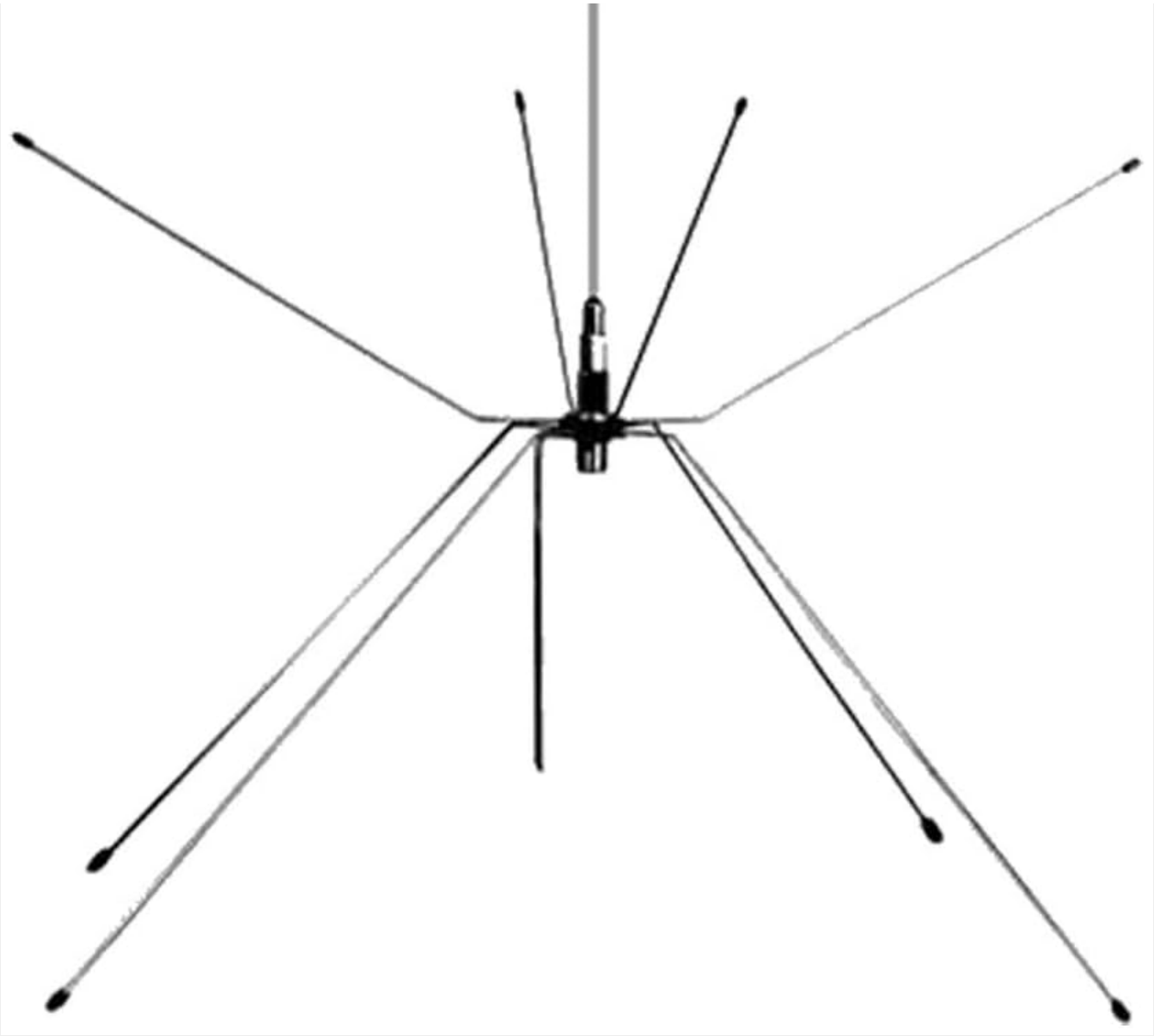


Figure 1: Procomm SPIDER Base Station Scanner Antenna. This image shows the assembled antenna with its central hub and radiating elements extending outwards, designed for base station scanner reception.

Key Features

- **Wide Frequency Range:** Receives scanner signals between 30-1200 MHz, ideal for low, high, and UHF bands.
- **Durable Construction:** Made with high-quality stainless steel and chrome-plated parts for longevity.
- **Easy Assembly:** Designed for straightforward and quick setup.
- **Included Coaxial Cable:** Comes with a 50-foot coaxial cable, Motorol plug, and BNC connector for immediate connectivity.
- **Versatile Mounting:** Mounts securely on 1 1/4 - 2 inch mast pipes with an SO239 connection.

Setup and Installation

Package Contents

Before beginning installation, ensure all components are present:

- Procomm SPIDER Base Station Scanner Antenna elements

- Antenna mounting hardware
- 50 ft. Coaxial Cable with Motorol plug and BNC connector
- Instruction Manual (this document)

Tools Required (Not Included)

- Adjustable Wrench or Socket Set
- Pliers
- Measuring Tape
- Ladder (for elevated installations)
- Mast Pipe (1 1/4 - 2 inch diameter)

Assembly Steps

1. **Unpack Components:** Carefully remove all antenna components from the packaging. Inspect for any damage.
2. **Assemble Radiating Elements:** Attach the radiating elements to the central hub of the antenna. Ensure each element is securely fastened. Refer to the diagram for correct orientation.
3. **Mount Antenna to Mast:** Secure the assembled antenna to a mast pipe (1 1/4 - 2 inch diameter) using the provided mounting hardware. Ensure the antenna is vertically oriented and stable.
4. **Connect Coaxial Cable:** Connect the SO239 connector on the antenna to the 50 ft. coaxial cable. Ensure a tight, secure connection.
5. **Route Coaxial Cable:** Carefully route the coaxial cable from the antenna to your scanner. Avoid sharp bends or kinks in the cable. Secure the cable along its path to prevent damage.
6. **Connect to Scanner:** Connect the BNC connector of the coaxial cable to the antenna input port on your scanner.

Note: For optimal performance, install the antenna in an elevated location, clear of obstructions, and away from sources of electrical interference.

Operating Instructions

The Procomm SPIDER Base Station Scanner Antenna is a passive receiving antenna and does not require external power. Once properly installed and connected to your scanner, it will begin receiving signals.

Scanner Compatibility

This antenna is designed to work with most scanners that operate within the 30-1200 MHz frequency range and have a BNC input connector. It is ideal for receiving signals across low, high, and UHF bands.

Optimizing Reception

- **Antenna Placement:** The higher the antenna is mounted, the better the reception will generally be, especially for distant signals.
- **Clear Line of Sight:** Ensure there are no large obstructions (buildings, trees, hills) directly in the path of desired signals.
- **Cable Management:** Avoid coiling excess coaxial cable, as this can sometimes introduce signal loss. Keep cable runs as direct as possible.
- **Grounding:** For safety and improved performance, consider proper grounding of your antenna system according to local electrical codes.

Maintenance

The Procomm SPIDER Base Station Scanner Antenna is constructed from durable materials designed for outdoor use and requires minimal maintenance.

- **Regular Inspection:** Periodically inspect the antenna and its mounting hardware for any signs of wear, corrosion, or loosening, especially after severe weather conditions.
- **Clean Connections:** Ensure all cable connections remain clean and free of moisture or corrosion. You may use a dielectric grease on exposed connections for added protection.
- **Cleaning:** If the antenna becomes dirty, gently wipe it with a damp cloth. Avoid using harsh chemicals or abrasive cleaners.

Caution: Do not attempt to disassemble the sealed components of the antenna. Doing so may void any implied warranty and could damage the unit.

Troubleshooting

If you experience issues with your Procomm SPIDER Base Station Scanner Antenna, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Poor or No Reception	Loose or corroded cable connections. Antenna not mounted high enough or obstructed. Damaged coaxial cable. Incorrect scanner settings.	Check and tighten all connections. Clean any corrosion. Relocate antenna to a higher, less obstructed position. Inspect cable for damage; replace if necessary. Consult your scanner's manual to ensure correct frequency and mode settings.
Intermittent Signal	Loose connections. External interference (e.g., electrical noise).	Verify all connections are secure. Identify and mitigate sources of interference. Consider proper grounding.
Physical Damage to Antenna	Impact from weather or objects. Improper handling during installation.	Inspect antenna elements and mounting hardware. Replace damaged parts if possible, or consider replacing the antenna. Ensure careful handling during future maintenance or relocation.

If the problem persists after attempting these solutions, please contact Procomm customer support for further assistance.

Specifications

Model Number	SP-800/50BNC
Brand	Procomm
Antenna Type	Base Station Scanner Antenna
Frequency Range	30-1200 MHz

Coaxial Cable Length	50 feet
Coaxial Cable Connectors	Motorol plug, BNC connector
Mounting Compatibility	1 1/4 - 2 inch mast pipe (SO239 connection)
Color	Black, Silver
Item Weight	2.74 pounds
Package Dimensions	29 x 6 x 3 inches
UPC	734139715886

Warranty and Support

Specific warranty details for the Procomm SPIDER Base Station Scanner Antenna are not provided in this manual. For warranty information, technical support, or service inquiries, please contact Procomm directly or refer to the product packaging or official Procomm website.
Please retain your proof of purchase for any warranty claims.

© 2024 Procomm. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0061X2EAO

More documents and user manuals: **https://manuals.plus/**