

[Manuals.plus](#) /

› [Super Antenna](#) /

› Super Antenna MP1C Portable All Band HF/VHF Antenna User Manual

Super Antenna MP1C

Super Antenna MP1C Portable All Band HF/VHF Antenna User Manual

Model: MP1C | Brand: Super Antenna

1. INTRODUCTION

The Super Antenna MP1C is a highly regarded portable ham radio antenna designed for transmitting and receiving across HF and VHF bands. It is recognized for its portability and performance, making it suitable for various applications from field deployments to temporary base installations.

This manual provides essential information for the proper setup, operation, and maintenance of your MP1C antenna to ensure optimal performance and longevity.

2. SAFETY INFORMATION

WARNING: Do not use this antenna during lightning storms. Keep the antenna and associated cables away from electrical wires and power lines to prevent electric shock. Always ensure a safe operating environment.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components listed below are present in your Super Antenna MP1C package:

- 1 x Super Antenna Model MP1C Portable Antenna (main assembly)
- 1 x SuperSlider (movable frequency tuning sleeve)
- 1 x Telescopic Whip
- 2 x Extension Rods
- 1 x Coupling Nut
- 2 x Instruction Sheets (this manual and supplementary guides)
- 1 x FG1 Frequency Guide SWR Ruler

Note: This package includes the antenna only. A suitable mount and coaxial cable are required for operation and are sold separately.

4. PRODUCT OVERVIEW AND FEATURES

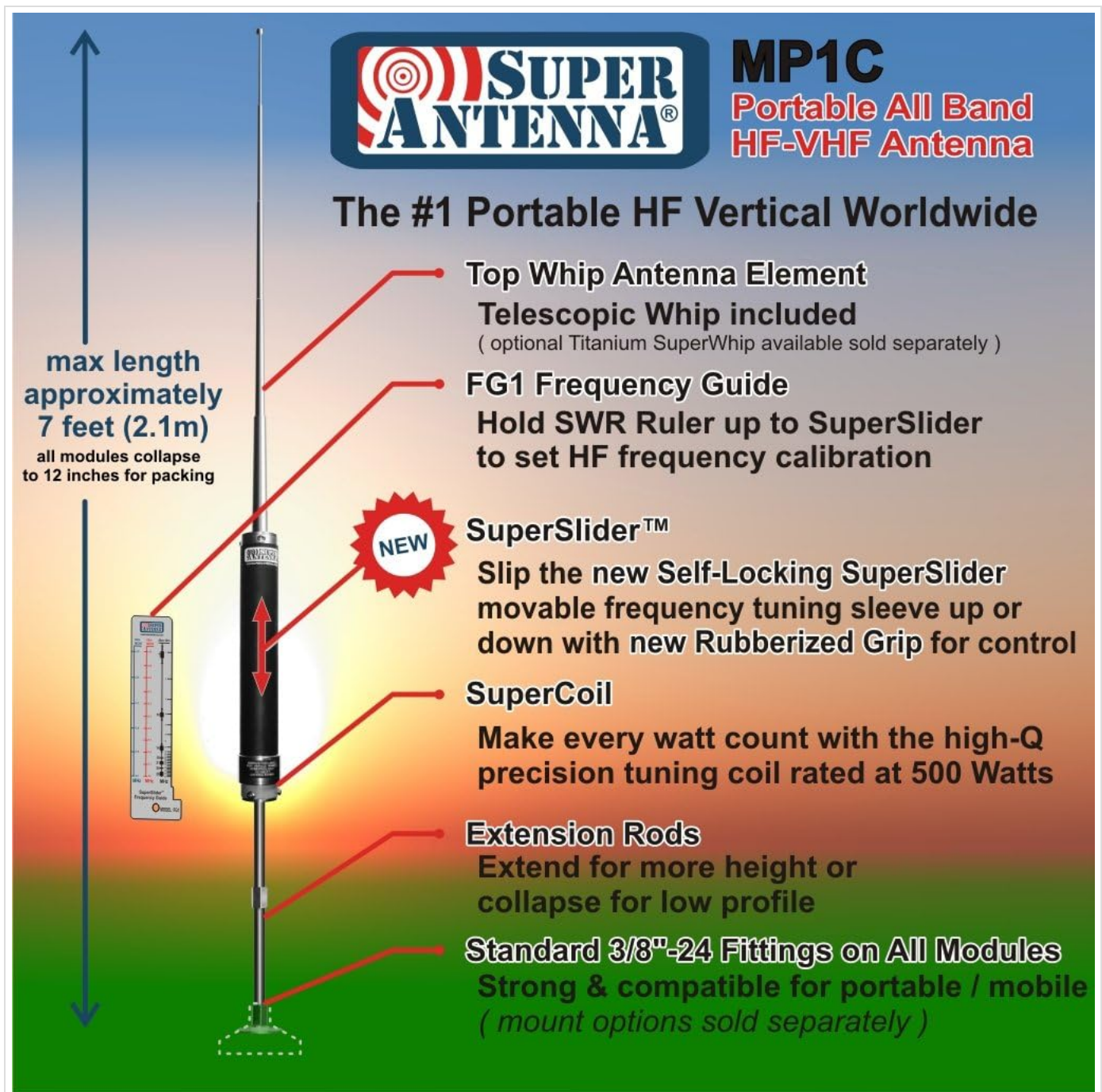


Figure 4.1: Exploded view of the Super Antenna MP1C, highlighting its key components such as the Top Whip Antenna Element, Telescopic Whip, SuperSlider, SuperCoil, and Extension Rods. It also shows the FG1 Frequency Guide and the standard 3/8"-24 fittings.

- **Top Whip Antenna Element:** The uppermost section of the antenna, crucial for signal reception and transmission.
- **Telescopic Whip:** An adjustable element that extends for full size operation and collapses for compact storage.
- **SuperSlider™:** A self-locking, movable frequency tuning sleeve with a rubberized grip. It allows manual adjustment to your desired frequency for optimal SWR.
- **SuperCoil:** A high-Q precision tuning coil rated at 500 Watts, designed to maximize power efficiency.
- **Extension Rods:** Used to increase the antenna's height for improved performance or can be removed for a lower profile setup.
- **Standard 3/8"-24 Fittings:** All modules feature these strong and compatible fittings, allowing attachment to most standard ham and CB mounts.
- **FG1 Frequency Guide SWR Ruler:** A tool included to assist in setting the HF frequency calibration.

5. SETUP AND ASSEMBLY

Follow these steps to assemble your Super Antenna MP1C:

1. **Attach the Base:** Secure the antenna's base (which has the 3/8"-24 male fitting) to a compatible mount. Recommended mounts include SuperAntenna models UM2, UM3, UM3SP, TM1, TM4, or any standard 3/8"-24 ham/CB mount. Ensure the mount is stable and properly grounded if required for your setup.
2. **Connect Extension Rods:** If desired, screw the two extension rods into the base of the antenna using the coupling nut. These rods provide additional height.
3. **Install the SuperCoil and SuperSlider:** The SuperCoil is integrated with the SuperSlider. Ensure it is securely attached to the extension rods or directly to the base if no extension rods are used.
4. **Attach the Telescopic Whip:** Screw the telescopic whip onto the top of the SuperSlider/SuperCoil assembly.
5. **Extend the Whip:** Gently extend the telescopic whip to its full length or desired operating length.
6. **Connect Coaxial Cable:** Attach your coaxial cable (sold separately) to the appropriate connector on your mount or antenna base.



Figure 5.1: The Super Antenna MP1C in its assembled, extended configuration, ready for connection to a radio system.

6. OPERATING INSTRUCTIONS

The Super Antenna MP1C is designed for ease of tuning across various bands. Follow these steps for operation:

1. **Select Your Frequency Band:** Determine the HF or VHF band you wish to operate on.
2. **Adjust the SuperSlider:** Manually slide the SuperSlider coil up or down to the desired frequency setting. Use the included FG1 Frequency Guide SWR Ruler as a reference for initial settings. The rubberized grip on the SuperSlider provides better control during adjustment.
3. **Tune for Minimum SWR:** Connect an SWR meter or antenna analyzer to your radio system. Transmit a low power

signal (if using an SWR meter) or use the analyzer to fine-tune the SuperSlider position for the lowest possible SWR (Standing Wave Ratio) on your chosen frequency. A low SWR indicates efficient power transfer from your radio to the antenna.

- 4. **Optimize Performance:** For best results, especially on different bands, slight adjustments to the telescopic whip length may also be necessary in conjunction with the SuperSlider.
- 5. **Counterpoise/Radial Considerations:** For optimal performance, especially on HF bands, the antenna requires a proper counterpoise or radial system. Super Antenna offers various radial sets (e.g., MR4010, MR642, MR1710, MR4020, MR8060, MR8075, MR6060) that can significantly improve efficiency.

The MP1C is highly versatile for portable operations, including Emcomm deployments, Dxpeditions, temporary base installations, manpack, and pedestrian mobile (P/M) work.

7. MAINTENANCE AND CARE

To ensure the longevity and continued performance of your Super Antenna MP1C, follow these maintenance guidelines:

- **Cleaning:** Wipe down the antenna components with a clean, dry cloth after use, especially if exposed to dirt, dust, or moisture. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically inspect all connections, threads, and the telescopic whip for any signs of wear, corrosion, or damage. Ensure the coupling nut and other threaded connections are secure.
- **Storage:** When not in use, collapse the antenna to its compact size and store it in a dry, clean environment, ideally in its original packaging or a protective bag. This prevents damage to the telescopic whip and other delicate components.
- **Material Care:** The antenna is constructed from durable materials including aluminum, brass, stainless steel, beryllium, copper, and polymers. While robust, proper care will prevent premature wear.

8. TROUBLESHOOTING

Common Issues and Solutions		
Problem	Possible Cause	Solution
High SWR / Difficulty Tuning	Incorrect SuperSlider position.	Carefully adjust the SuperSlider using the FG1 guide and an SWR meter/analyzer.
	Improper or missing counterpoise/radials.	Ensure proper counterpoise or radial system is connected and deployed.
	Damaged coaxial cable or connectors.	Check all cable connections and inspect for damage.
	Antenna not fully extended or obstructed.	Ensure the telescopic whip is fully extended and there are no nearby metallic obstructions.
Missing Components	Package contents not fully checked upon receipt.	Refer to the "Package Contents" section (Section 3) and contact Super Antenna customer support immediately if any parts are missing.

Problem	Possible Cause	Solution
Poor Reception/Transmission	Antenna not tuned correctly. Environmental factors (e.g., local noise, obstructions). Radio or other equipment issues.	Re-tune the antenna for minimum SWR. Relocate the antenna to a clearer area if possible. Verify your radio and other equipment are functioning correctly.

9. SPECIFICATIONS

Attribute	Detail
Model Number	MP1C
Brand	Super Antenna
Product Dimensions (Collapsed)	Approximately 2.4 x 2.4 x 12 inches (packed size)
Product Dimensions (Extended)	Approximately 2.4 x 2.4 x 84 inches (7 feet)
Item Weight	1.1 pounds (0.5 kg)
Color	Black, Silver
Antenna Type	Portable All Band HF/VHF Ham Radio Antenna
Impedance	50 Ohm
Maximum Power Rating	500 Watts (SuperCoil rating)
Fittings	3/8"-24 male fitting at the bottom
Materials	Aluminum, Brass, Stainless, Beryllium, Copper, Polymers
UPC	856985005307

10. WARRANTY AND SUPPORT

Super Antenna products are designed and manufactured with quality in mind. For specific warranty details, please refer to the documentation provided with your purchase or visit the official Super Antenna website.

As a product from a small business brand, Super Antenna is committed to customer satisfaction. If you encounter any issues, have questions regarding setup, operation, or require replacement parts, please contact Super Antenna customer support directly. Contact information can typically be found on their official website or through your purchase platform.

Manufacturer: Super Antenna

Origin: Designed in Silicon Valley, USA.

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/B01GWW0N5Q>

More documents and user manuals: <https://manuals.plus/>