

Thank you for your MP1DXMAX order!

We appreciate your business and hope you enjoy your new Super Antenna equipment.

Review

If you are happy with your purchase, would you please consider leaving a product review online?

Support for your Super Antenna product

There are plenty of application notes and manuals available on the Super Antenna website to help you get the most from your new equipment.

newsuperantenna.com

Select your desired **Manual**, **User Guide**, or **Application Note** in the **Download** section of the web site. You can also **download** all the printed materials in this package. It is free and easy.

Problems with your order?

We strive to ensure that your equipment is in perfect condition but sometimes mistakes can happen or products can be damaged in shipping. If there is something wrong with the equipment you ordered, please contact us by direct email:

support@newsuperantenna.com

We will immediately take care of your problem. Please include your Order ID in your email and explain exactly what your issue or problem is. Generally, problems with missing or broken equipment, or shipping damage, can be resolved within 2 business days. We stand behind our products and strive to make every customer happy with their purchase.

Accessories and Options

Accessorize your new Super Antenna equipment. Get the full range of SuperPod Large Tripods, SuperMounts, MP1C for Dipoles, SuperWhips, Go Bags, SuperWire Radial Sets, Extension Rods, Tripods, Band Coils, and more.

- Your friends at Super Antenna



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MP1DXMAX

Dual Band HF + 2 meters
SuperWhip Ruggedized
Portable All Band Antenna
Tripod Universal Mount
GoBag Package

80m/75m/60m/40m/30m/20m
17m/15m/12m/11m/10m/6m
+plus simultaneous 2 meters

Features

Frequency Range:
HF 3.5MHz~ 30MHz
continuous

plus 144~148MHz
Simultaneously

Good SWR:
2:1 or better
no analyzer or
tuner needed

Power:
500W SSB
300W CW / DIGITAL

Antenna weight:
< 2 pounds (1kg)

Total package weight
6.2 pounds (2.8kg)

For indoor or
outside field use

Fittings:
Standard 3/8"-24
male thread

Assembly:
Easy set up in two
minutes by one
person, no tools
needed

Collapsed Size:
Packs down to
12" (30cm) for
portability

Max Size:
Extends up to
7ft (2.1m) for
operation

Color: Metallic and Black



CONTENTS of PACKAGE

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MP1DXMAX

Frequencies:
3.5 MHz ~ 30 MHz
+ plus 144 ~ 148 MHz

Meter Bands:
80m - 75m - 60m
40m - 30m - 20m
17m - 15m - 12m
11m - 10m - 6m
+ plus
Simultaneous 2m



MC2 SuperPlexer
2 meter Band Adapter
Any HF band + plus 2 meters
On The Same Antenna

MC80 Coil
80m~75m

MC60 Coil
5 MHz



ER1 Extension Rods
TW1 Telescopic Whip

Radial Sets For All Bands



MR4010: 7-30 MHz
MR8075: 3.4-4.8 MHz
MR6060: 4.8-6.9 MHz
MR642: 40-70 MHz

Low Profile Tripod
All Modular Parts Standard 3/8"-24 Fittings

MR2Y: 144-148 MHz
MR2R: 144-148 MHz
MR2B: 144-148 MHz

Ham Antenna

Go Bag Package

Ruggedized SuperWhip
Dual Band HF + 2 meters

All Band Antenna
Portable Base Mobile
Tripod Universal Mount

SW1 SuperWhip
Super Flexible
Ruggedized Titanium

MP1C Antenna
SuperSlider Antenna Coil
Tunes to any HF Frequency

Insulated Grip for Manual Tuning

6061-T6 Aircraft Aluminum

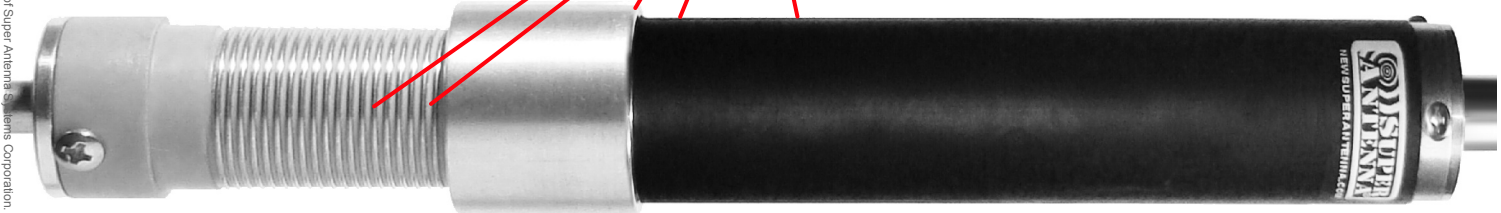
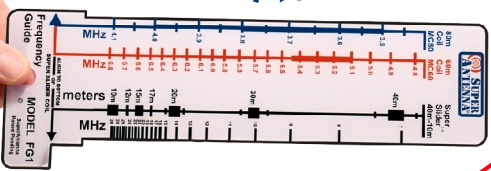
Reliable Self-Locking Slider

Nickel Beryllium Contacts

High Q SuperCoil

Durable Polymer Form

FG1 SWR Ruler



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GB1 Super Go Bag
Everything Fits in the Compact
Portable Antenna Carry Case

Velcro Panel for Insignia & Flag Patches

MOLLE - PALS Compatible Attachment System
Front and Back for Interface with HTs, Gear,
EmComm, Accessory Pouches, and SuperWhips

2 D-Rings for Attachments or Straps

2 Coil Pockets for MP1 Series SuperSliders
and MC Series SuperCoil Options

Cable Pocket for MR Series Radial Sets,
Coax, and Connectors

Case Size: 13" x 9" x 3.5" (33 x 23 x 9 cm)
Antenna weight 1 pound (0.5kg)
Total package weight 6.2 pounds (2.8kg)

Mount Pocket for UM1 or UM2 Universal Mount,
and TM1 Tripod SuperMount with Tools

2 Extension Rod Pockets for Extra Length or
Telescopic Whips

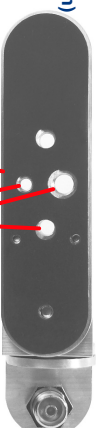
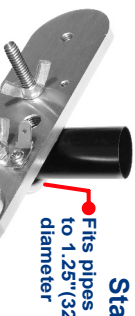
2 Full Length Stealth Hidden Velcro Pockets
for FG1 Frequency Guide, Mics, Keys, Manuals,
Equipment, EmComm Forms, or Accessories

Strong Webbing Handles



UM2 Universal Mount

Attaches to: Table, Balcony, Bench, Ladder,
Door, Wall, Flat, Fence, Pipe, Pole, Mast,
Stake, Balcony, Stand, Post, Rack, or Railing



Fits pipes up
to 1.25" (32mm)
diameter

Rubberized Friction
Bottom Plate

Mounting Points for:
TM4 SuperPod Tripod and
3/8"-16 StudTriPods

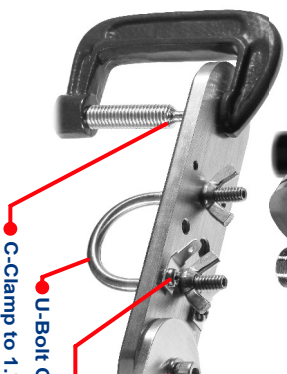
3/8"-24 Dipole Conversion
1/4"-20 Camera Tripod

Standard 3/8"-24 Threads

Strong Aluminum Frame

Standard SO-239 UHF Connector

Rubberized Friction Bearings



Rubberized Friction Swivels To Any Angle

Mount Bracket Swivels To Any Angle

Stainless Steel Bolts with Hex Wrench Included

Multiple Radial Terminal Connections

U-Bolt Clamp to 1.25" (32mm) Pipe, Pole, Mast, Railing

C-Clamp to 1.7" (43mm) Table, Balcony, Bench, Ladder, Fence

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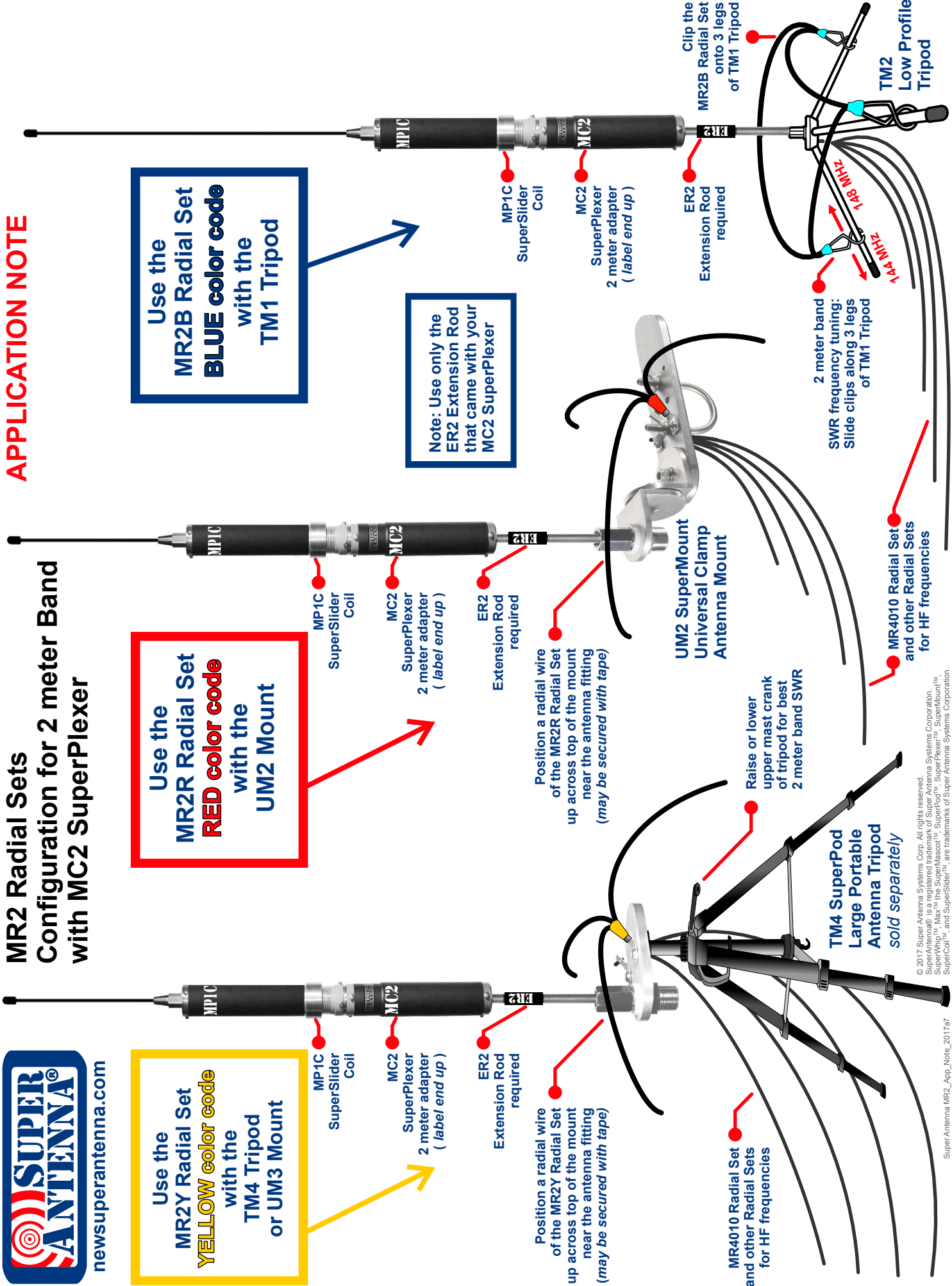
MR2 Radial Sets Configuration for 2 meter Band with MC2 SuperPlexer

APPLICATION NOTE

Use the **MR2Y Radial Set** with the **YELLOW color code** with the **TM4 Tripod** or **UM3 Mount**

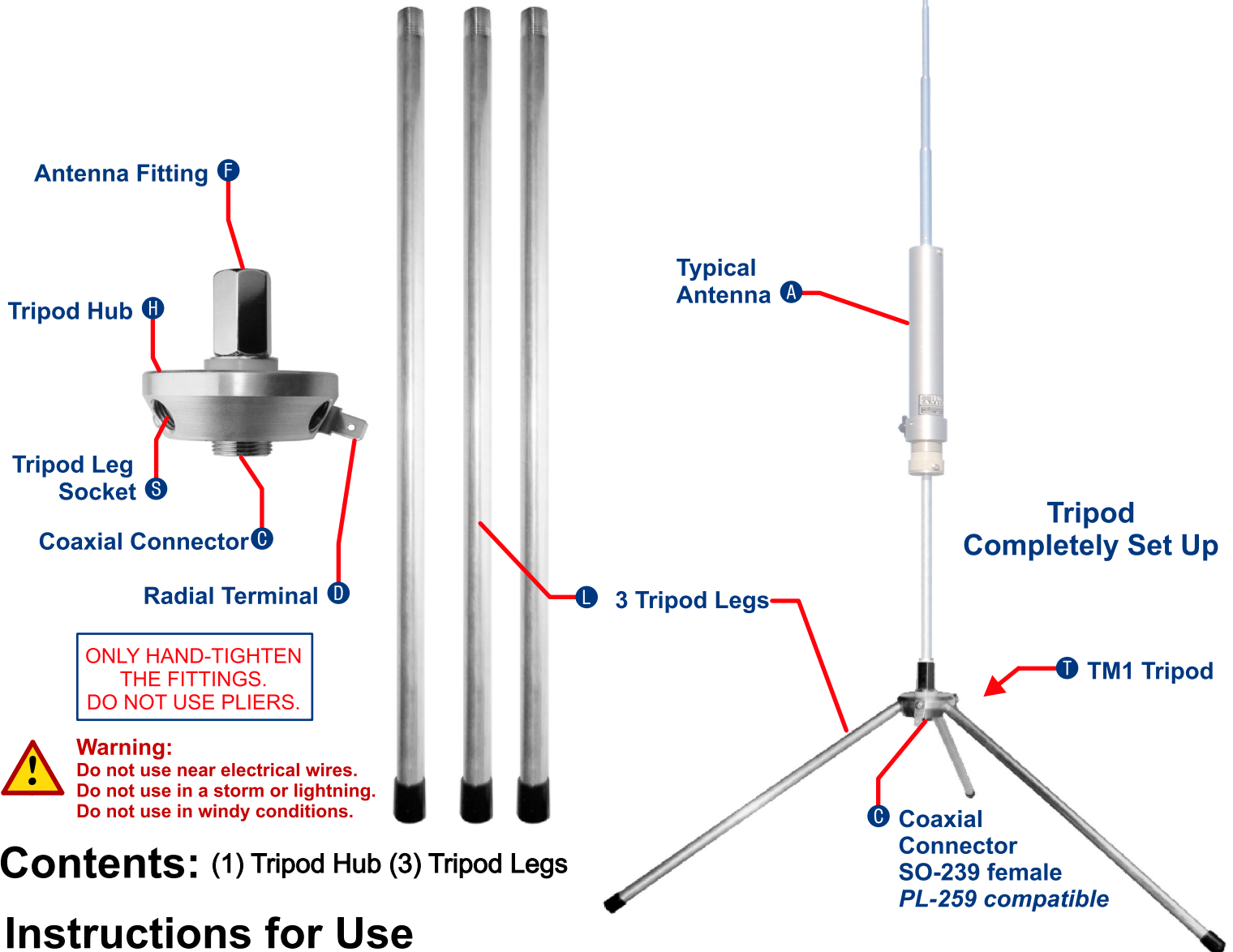
Use the **MR2R Radial Set** with the **RED color code** with the **UM2 Mount**

Use the **MR2B Radial Set** with the **BLUE color code** with the **TM1 Tripod**



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TM1 SuperMount™ Low Profile Tripod for Portable Antennas



Contents: (1) Tripod Hub (3) Tripod Legs

Instructions for Use

- Choose a flat level surface such as a table, bench, deck, or floor to set up the TM1 Tripod.
- Unpack all the contents of the tripod and antenna package and lay it out on the surface.
- Locate the Tripod Hub **H** and 3 Tripod Legs **L**.
- Screw all 3 Tripod Legs **L** into the angled Tripod Leg Sockets **S** of the Tripod Hub **H**.
- Set the Tripod **T** on the level surface.
- Connect one end of your coaxial cable to the Coaxial Connector **C** and the other end to the antenna connector of your scanner radio. (You may need a coax cable and coaxial connector adapter)
- Locate your Antenna **A**.
- Screw your Antenna **A** into the Antenna Fitting **F** on top of the Tripod **T**.
- Gently extend extend your Antenna **A** to full length.
- The TM1 tripod and your antenna is now completely set up and ready to use.
- Connect your RG58 or RG8x coax cable and radio (*available separately*) to the Coaxial Connector.
- Attach radial sets (*available separately*) to the mount connector terminals. Wires may droop down.



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APPLICATION NOTE

SuperAppNote #SA201602A

Using the Super Antenna MP1 series for Ruggedized Operation with Backpacks

Insert a single provided ER1 Extension Rod Through the top hydration tube slot or zipper opening at the top of the backpack.

Secure the rod to the top handle of the backpack. This is the spot where the most force will be encountered while in motion, so make this attachment as secure and strong as possible.

Secure the rod with cinch straps, cord, cable ties, or duck tape. 2 Extension Rods are supplied in the package. But, for most ruggedized applications, a single ER1 Extension Rod is optimum, and sufficient for HF operation.

Place the UM1 or UM2 SuperMount inside the backpack, and screw the bottom of the ER1 Extension Rod into the mount fitting. With a screwdriver or tool, loosen the swivel mount angle screws and adjust the angle to provide a good footing for the mount plate inside the pack.

Soft items such as clothing may be placed around the mount with heavier items surrounding it, to hold the mount in place in the pack.

For packs with side MOLLE-PALS straps

Tie the top of the rod to the point where the shoulder strap cinch strap meets the top of the pack.

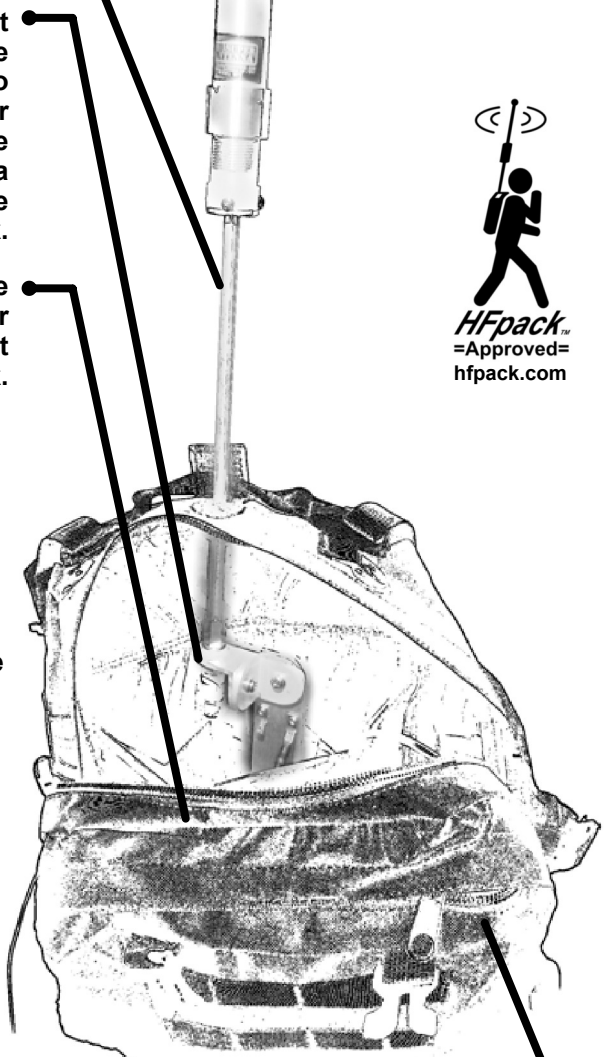
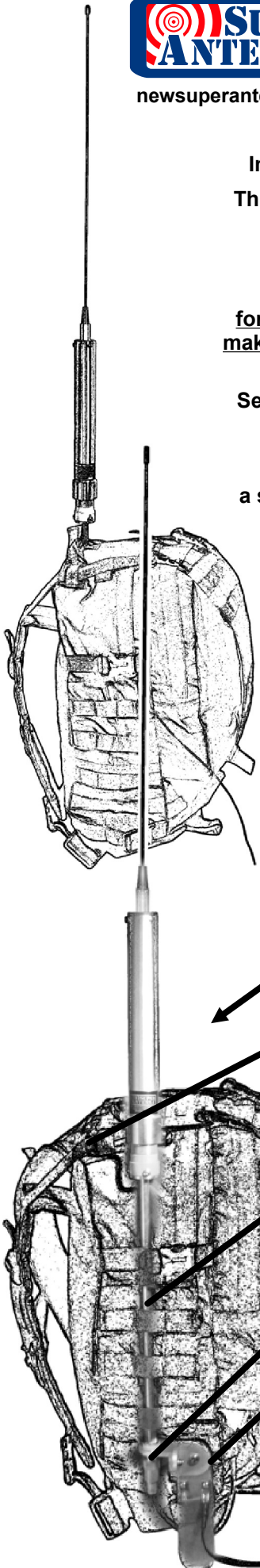
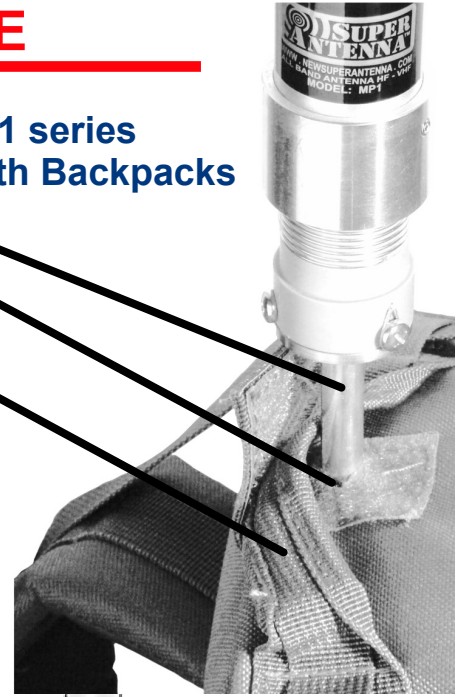
The rod and mount may be slotted through the side straps.

Attach coaxial cable to mount and radio.

Attach drag wire counterpoise to the mount connection.

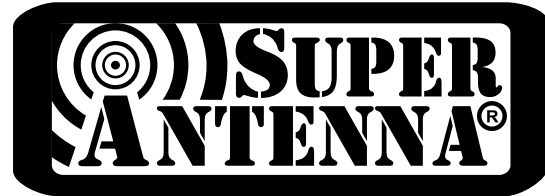
Draw out a single wire of the counterpoise and let it dangle. Use the shortest wire for higher frequencies.

Roll the remaining counterpoise wires up, and stow them in a pocket of the pack.



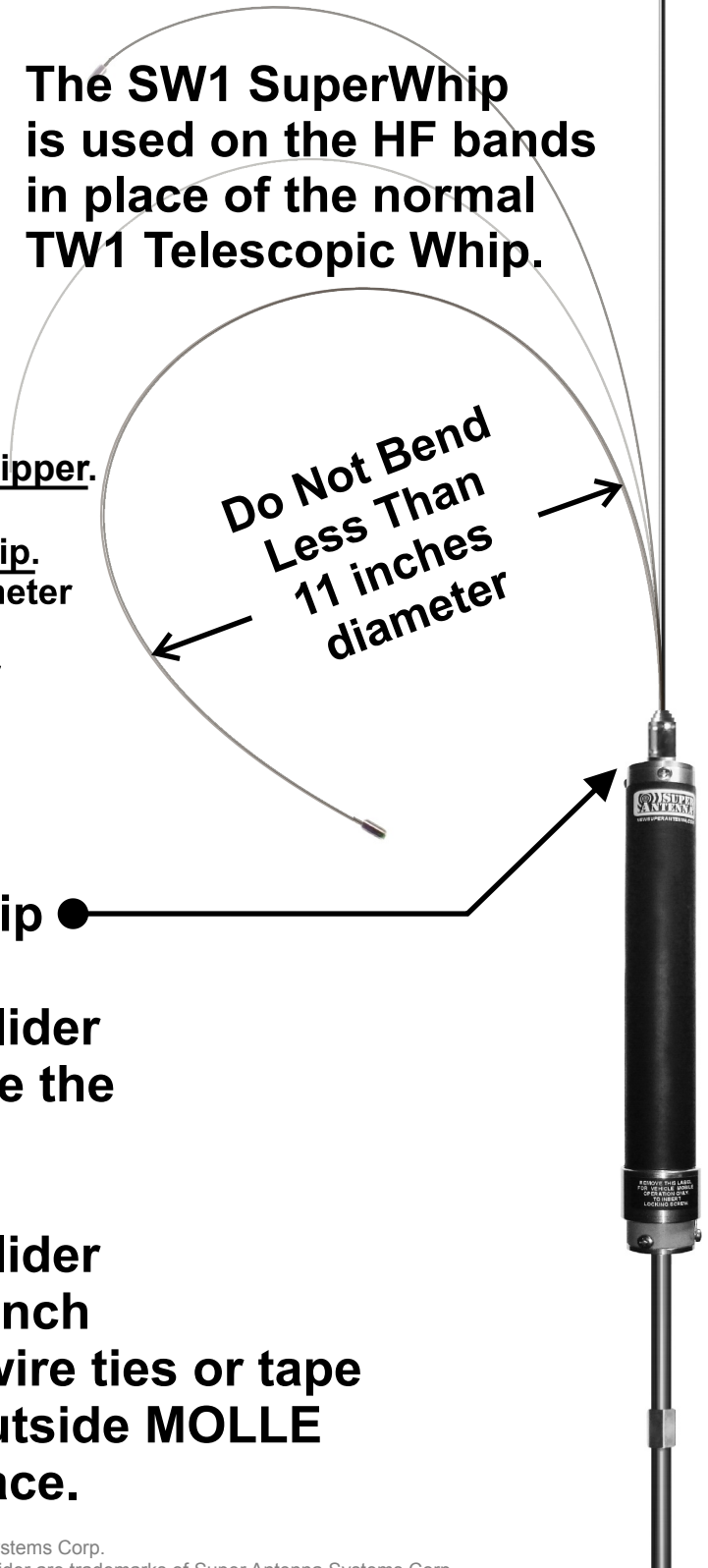
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This SuperAppNote was previously titled *Super Antenna MP1 Pedestrian Mobile Setup Tips*



SW1 SuperWhip Quick Start Guide

The SW1 SuperWhip is used on the HF bands in place of the normal TW1 Telescopic Whip.



To remove: Cut zip ties or tape with a nail clipper.

CAUTION: When unpacking use care due to extreme high energy kinetic forces in the whip.

DO NOT bend in less than 11 inch (28cm) diameter circle. Use eye protection when deploying. Some small natural curvature is normal after bent storage and decreases during use.

Temperature range -20°C to 60°C (-4°F to 140°F)

1. Attach SW1 SuperWhip to top of MP1 Antenna SuperSlider
2. To pack down, remove the SW1 SuperWhip from top of MP1 Antenna SuperSlider and bend it into a 12 inch diameter circle. Use wire ties or tape or the GB1 Go Bag outside MOLLE straps to hold it in place.



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APPLICATION NOTE

MP1 Series Antenna Optimum Set Up

The MP1 series Super Antenna system is designed to operate as a portable, base, manpack, or mobile antenna. In its optimum portable or base configuration, the antenna is mounted vertically on a SuperMount or SuperPod tripod mount.

When using the SuperMount, an insulated support at least 3ft high (1m) is recommended (avoid direct electrical connection to a metallic support).

Radial Set wires are attached to the mount using the provided push-on connectors. If there isn't enough space to stretch out all the radial wires, they can be loosely zig-zagged or laid out in large loops on the surface or floor. The radial wires can be taped or cable tied to the support for strain relief; stress on the wires should be avoided.

For best performance and calibration using the FG1 Frequency Guide SWR Ruler, the SuperSlider, and the whip above the slider, should be kept in the clear, at least 10 feet (3m) from other objects to the side and above. If other objects are near the antenna, or if the antenna is utilized indoors, it may affect the performance and calibration of the SWR Ruler. Usually, the proximity of nearby objects causes a change in resonance that requires the antenna SuperSlider to be set at a slightly higher MHz frequency on the FG1 than the desired frequency for best SWR. Rain or dew can also affect the resonance of the antenna or ground system; it can be compensated for by slightly changing the SuperSlider position for a good SWR.

For best receive performance, the antenna should be located away from computers, TVs, lamps and other RF-noisy equipment.

The drawing example shows the recommended configuration when the antenna system is set up outdoors.

Mount on elevated, insulated non-metallic support such as plastic pipe, table, fence, chair, post, or railing.
(not included)

Coaxial cable to Radio RG-58 or RG-8x
(not included)

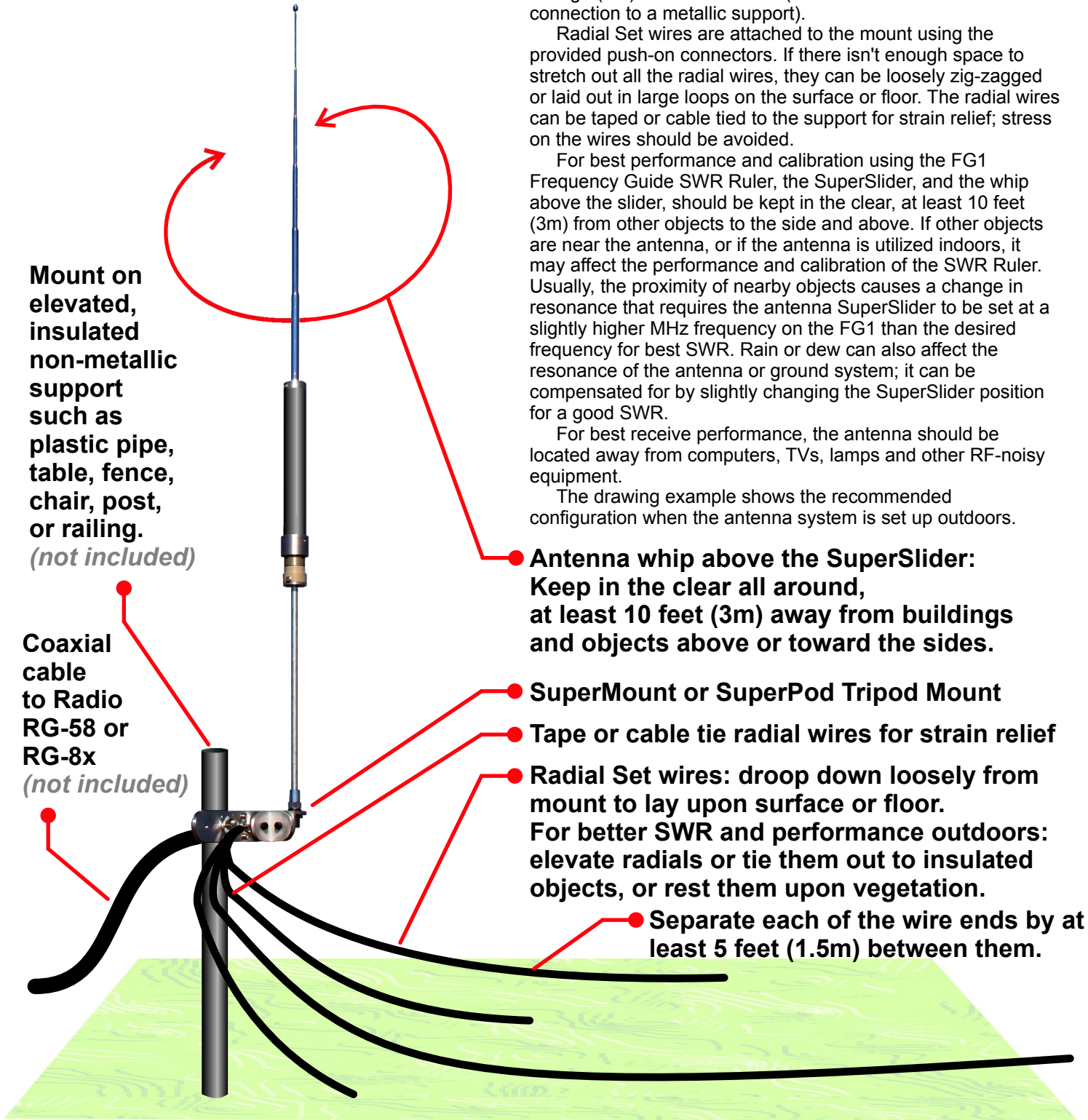
Antenna whip above the SuperSlider: Keep in the clear all around, at least 10 feet (3m) away from buildings and objects above or toward the sides.

SuperMount or SuperPod Tripod Mount

Tape or cable tie radial wires for strain relief

Radial Set wires: droop down loosely from mount to lay upon surface or floor. For better SWR and performance outdoors: elevate radials or tie them out to insulated objects, or rest them upon vegetation.

Separate each of the wire ends by at least 5 feet (1.5m) between them.





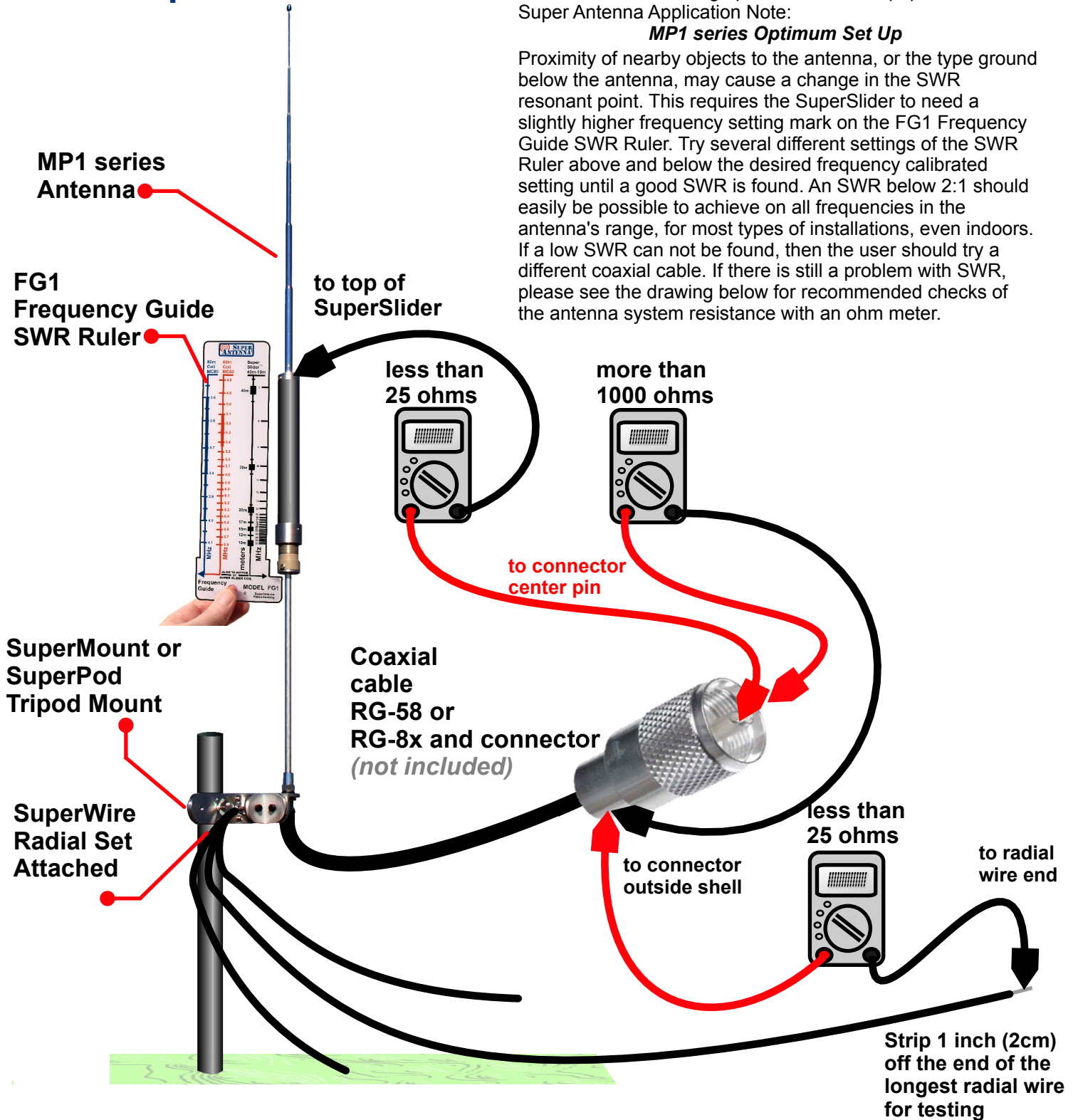
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APPLICATION NOTE MP1 Series Antenna System Troubleshooting

The MP1 series Super Antenna system is designed to operate as a portable, base, manpack, or mobile antenna. For a recommended high performance set up, please see the Super Antenna Application Note:

MP1 series Optimum Set Up

Proximity of nearby objects to the antenna, or the type ground below the antenna, may cause a change in the SWR resonant point. This requires the SuperSlider to need a slightly higher frequency setting mark on the FG1 Frequency Guide SWR Ruler. Try several different settings of the SWR Ruler above and below the desired frequency calibrated setting until a good SWR is found. An SWR below 2:1 should easily be possible to achieve on all frequencies in the antenna's range, for most types of installations, even indoors. If a low SWR can not be found, then the user should try a different coaxial cable. If there is still a problem with SWR, please see the drawing below for recommended checks of the antenna system resistance with an ohm meter.



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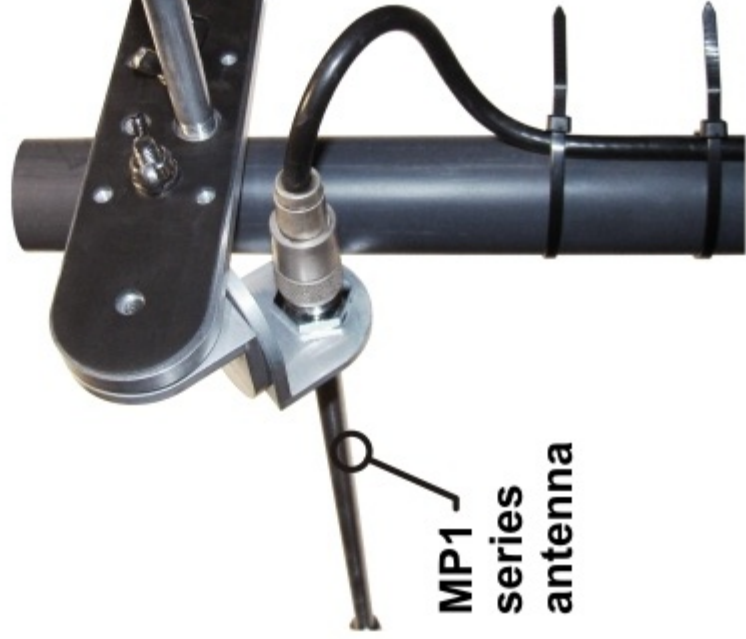
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Turn your Super Antenna into a Rotatable Dipole by adding a second MP1C Antenna Element [second MP1C sold separately]



UM2 SuperMount

Back View



MP1 series antenna

Front View



second MP1 series antenna element
[sold separately]

Typical Configuration
of UM2 SuperMount
for Rotatable Dipole with
MP1 Antenna Elements
(Mounted on 1" PVC Pipe SCH-80)

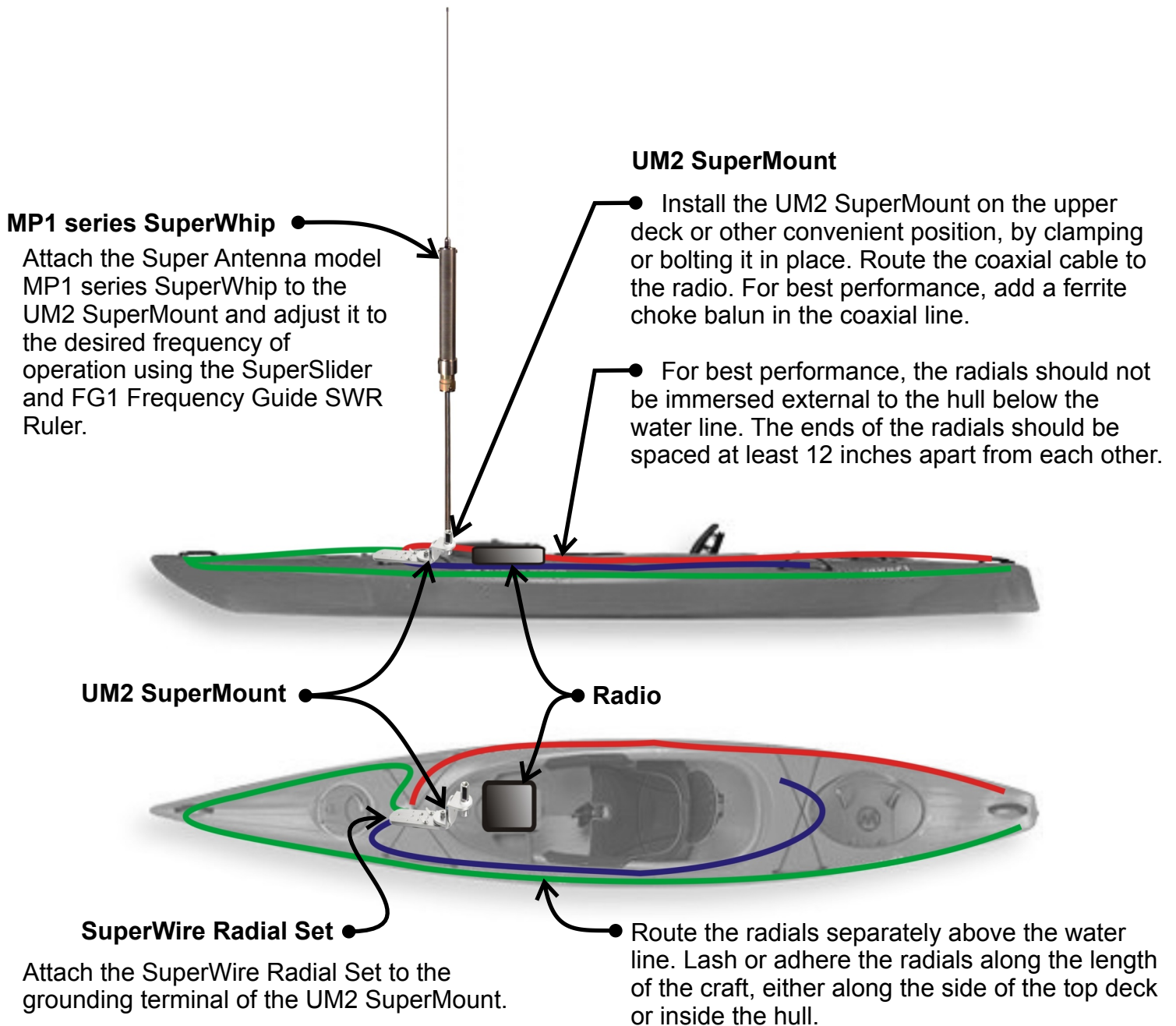
Note:
Coaxial cable and
support pole are
not included.

APPLICATION NOTE

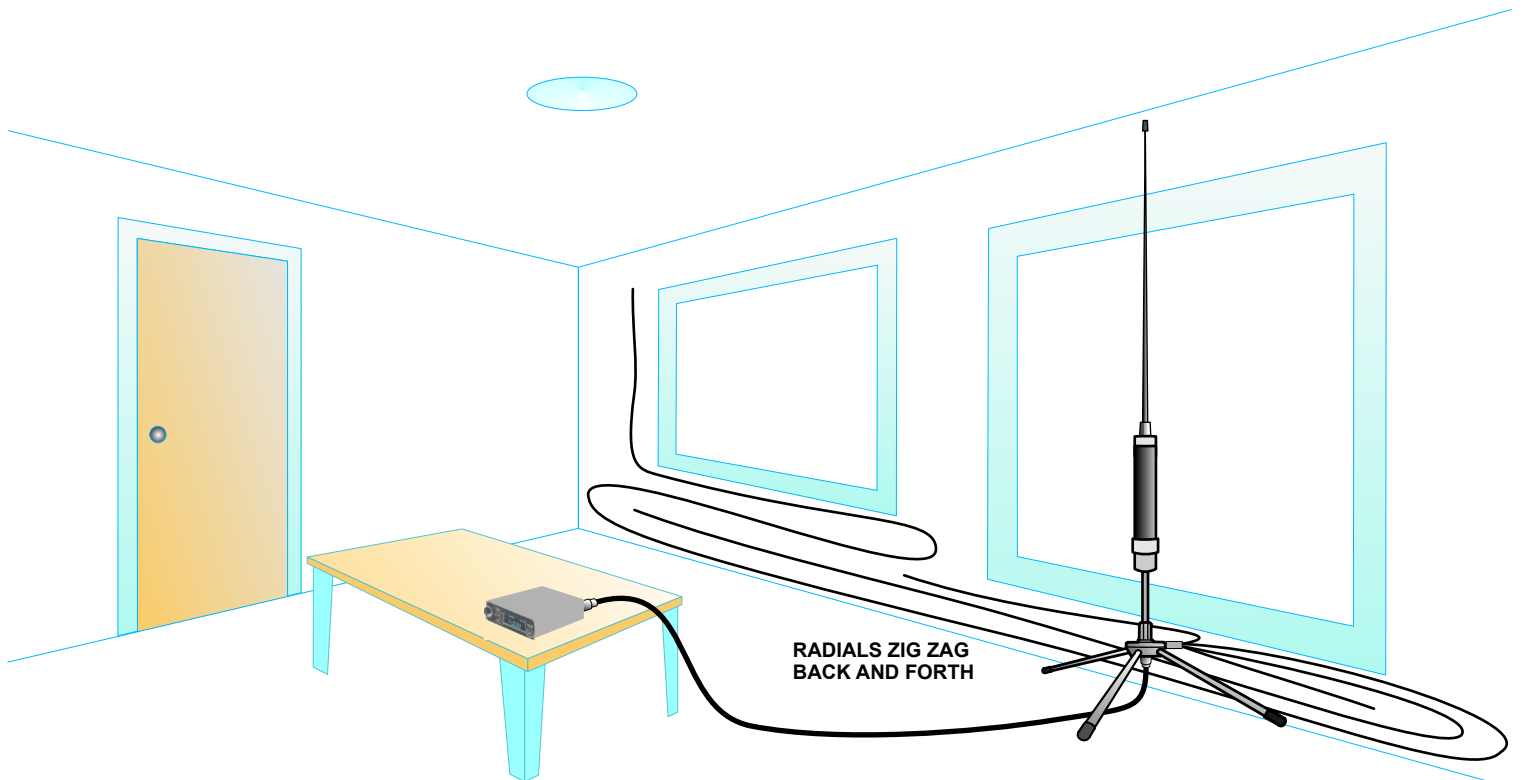
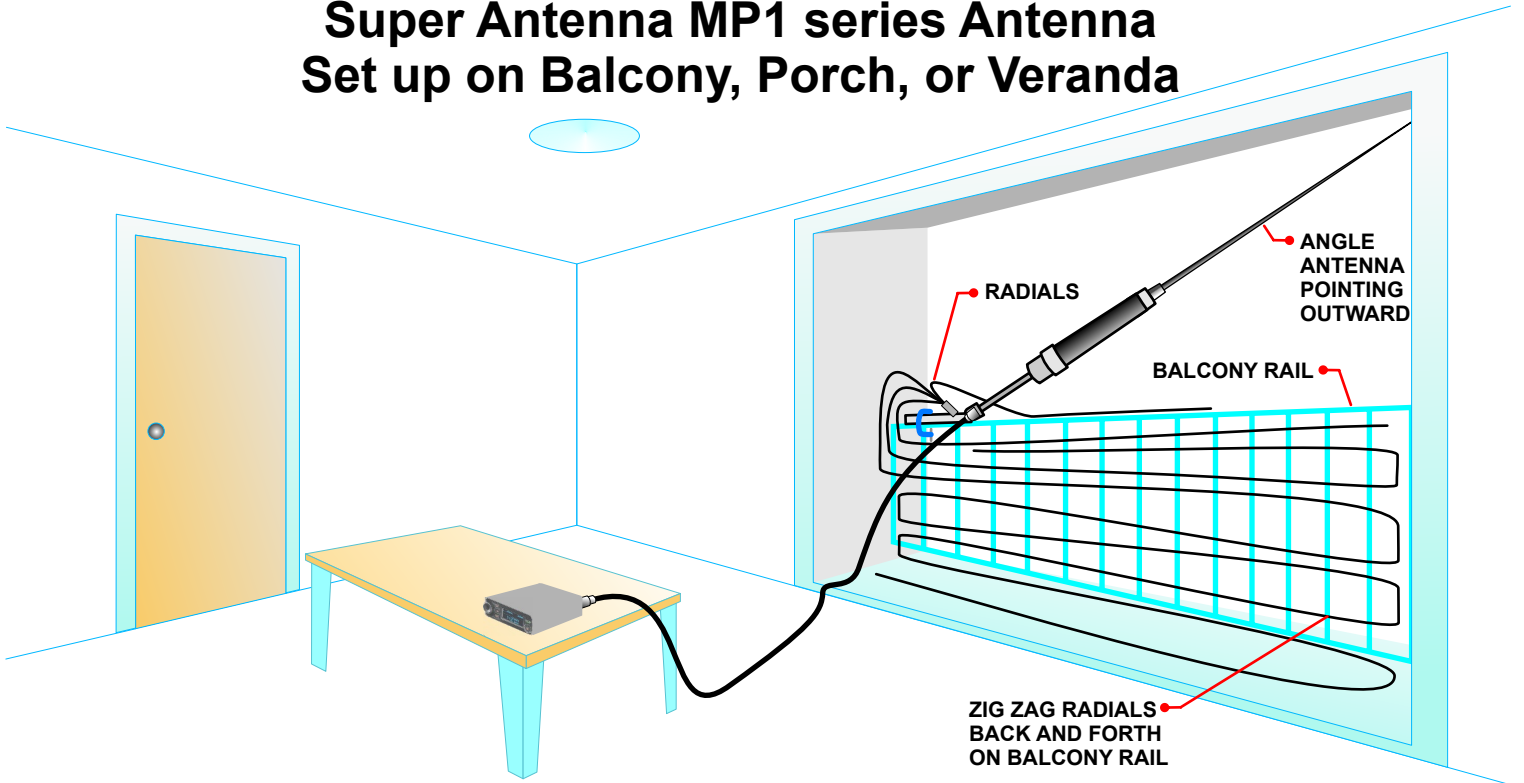
SuperAppNote #SA201503B

Using Super Antenna MP1 series SuperWhip on Kayaks, Small Boats, and Watercraft

The Super Antenna model MP1 series SuperWhip is a ruggedized whip antenna for all band HF operation. It is highly versatile, waterproof, submersible, corrosion resistant, and provides lightweight durability suitable for the marine watercraft environment. When combined with the UM2 SuperMount and a SuperWire Radial Set, it forms a highly efficient HF antenna system for kayaks, canoes, rigid-hulled inflatable boats (RHIB), rigid-inflatable boats (RIB), inflatable boats, small boats, sailboats, rowboats, motorboats, and other types of watercraft. This application note shows a recommended typical installation for maximum on-the-air effectiveness and ease of use while operating HF on saltwater or freshwater.



Super Antenna MP1 series Antenna Set up on Balcony, Porch, or Veranda



Super Antenna MP1 series Antenna Set up in a room near a window or outside wall