

Tech Tips

This antenna will read "short circuit" when tested with an ohm meter or continuity tester.

For installations where the cable exits through the bottom center of the antenna's ferrule, replace the grommet at the exit hole in the ferrule with the supplied Grommet Plug.

Cleaning instructions

To clean the antenna, use mild dishwashing liquid (one that is not harsh to the hands and without ammonia) in lukewarm water. **WARNING:** Do not let paint solvents, cleaning solvents, or adhesive caulking come in contact with the antenna. Chemicals in these materials might destroy the finish.

Thank you for choosing a Shakespeare Phase III antenna product. Shakespeare works hard to build reliability and durability into all of its products for maximum customer satisfaction. Customer comments are welcome.

| FOR YOUR RECORDS | |
|--------------------|-------|
| Antenna Serial # | _____ |
| Model | _____ |
| Date of Purchase | _____ |
| Shakespeare Dealer | _____ |

Shakespeare

Electronic Products Group

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Shakespeare® PHASE III™ Style 6396-AIS 4' VHF/AIS Installation Instructions

IMPORTANT: Please read all instructions before installing.

Before you start, check parts supplied against those listed.

Antenna assembly includes:

- 1 Antenna assembly
- 1 1"-14 thread adapter
- 1 Grommet Plug (see Tech Tips)
- 1 Coupling nut

Tools required:

Screwdriver, drill, drill bits sized according to the cable you are using, wrench

Other tools or supplies that are appropriate to your specific application may also be needed.

Additional required materials:

- 1 Length of coaxial cable
 - 1 Male "N" connector appropriate to the type of coax you are using
 - 1 PL-259 connector for connection to your VHF transceiver
- U-bolts, stainless steel strapping and appropriate hardware, if mounting the antenna to a mast



The Style 6396-AIS is a Phase III® series 162 MHz VHF-AIS Marine antenna of 4' overall length, including the 1"-14 thread adapter, with stainless steel ferrules and a female "N" connector. The heavy-duty, one-section, end-fed ½-wave antenna is specifically designed for use with AIS equipment, and meets the strict requirements of the AIS specification. The design of the Phase III antenna series facilitates mounting to a mast or attachment to a standard marine mount.

Select a location for the antenna.

Choose a location that is as high as feasible, as free as practical from obstructions, and as far as possible from other antennas and strong sources of RF. Cable runs should be kept as short as possible. If cable length exceeds 25', the use of RG-8X or RG-8 A/U coax (sold separately) is highly recommended, to reduce signal attenuation caused by the cable.

How to mount the antenna to a deck or bulkhead, using a marine mount:

The recommended mount is a Shakespeare Style 4187-HD Stainless Steel Ratchet Mount (sold separately). Use the 1"-14 thread adapter (supplied) to attach the antenna to the mount. The slot in the side of the thread adapter will accommodate up to RG-213 size coax cable.

1. Bolt the mount to the deck or bulkhead according to the directions included with the mount you choose. Be sure to heed any cautions, included with the antenna mount, regarding drilling fiberglass surfaces.
2. Thread the 1"-14 thread adapter onto the mount and hand tighten.
3. Feed the coax through the slot in the side of the thread adapter or through the bottom and through the hole in your antenna mount, if one is provided.
4. Install a male "N" connector (sold separately) for the size coax that you have chosen, according to the instructions packed with the connector.
5. Attach the "N" connector to the base of the antenna and tighten securely.
6. Place the rubber O-ring in the groove on the antenna ferrule.
7. Seat the antenna ferrule on top of the 1"-14 thread adapter and tighten the coupling ring securely. The adapter has special facets to prevent the antenna from rotating once the coupling ring has been tightened.

How to mount the antenna to a mast

1. Feed the coax through the slot in the side of the thread adapter or through its bottom.
2. Install a male "N" connector (sold separately) for the size coax that you have chosen, according to the instructions packed with the connector.
3. Attach the "N" connector to the base of the antenna and tighten securely.
4. Strap the thread adapter to the mast using stainless steel U-bolts, a mast

5. Place the rubber O-ring in the groove on the antenna ferrule.
6. Seat the antenna ferrule on top of the thread adapter and tighten the coupling ring securely. The adapter has special facets to prevent the antenna from rotating once the coupling ring has been tightened.

Completing the installation

1. Route the coaxial cable to your VHF transceiver, keeping it as far as possible from other electrical equipment and cables.
2. Install a connector (sold separately) that is appropriate for your size coax and your radio's antenna connection.

