

KJM is dedicated to providing the finest in shipboard equipment. Our products are built to withstand the harsh marine environment, and are designed by people with over three decades of experience in the marine industry. **Please read the following before attempting installation to ensure complete understanding of the Antenna.**

**IMPORTANT! Please read all instructions before installing.**

The A1791-V marine VHF antenna of 17' 6" overall length, with phased 1/2-wave elements stacked in a collinear array with a choking sleeve to suppress cable radiation. The 9dB two-section antenna has a stainless steel ferrule and a 20' coaxial cable.

**Tools required: Soldering iron (40-watt min., 75-watt max.), resin core solder, pocket knife, wire cutters.**

### Installation Instructions

Choose a mounting location that is high as feasible, as free as possible from obstructions, and as far as possible from other antennas and strong sources of RF. The recommended mount is a swivel mount for the base and bracket to hold the upper part of the antenna.

1. Remove the tape that holds the tip section of the antenna to the base section during shipping.
2. Swing the tip section up and over the base section so the two sections are in line. As you lower the tip to the base section, an elastic band inside the tip will pull any excess cable up, into the tip. **DO NOT CUT THIS CABLE.**
3. Inspect the O-ring to be sure it is seated in the bottom groove of the base section's upper ferrule. Thread the tip section onto the base section's upper ferrule and hand tighten.
4. Use a swivel mount and bracket (Sold separately. May be sold as a kit or individually) to install the antenna on your boat. **Install the mounting kit's stand-off bracket at least 4 feet above the antenna's base where possible.** Follow the directions included with the mount you choose

Route the cable to your transceiver, keeping it as far as possible from other electrical equipment and cables. Any excess cable should be rolled in a coil of at least 8" diameter and stowed in an out-of-the-way place away from other electrical cabling. Attach the RG-8/X connector (supplied) according to the instructions packed with the connector.

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.

**For best performance:**

Use optional AC201 20' cable to extend the length. Up to 2 AC201 cables can be connected.

**Supplied Parts**

- 1 Antenna Assembly
- 1 RG-8/X Connector with instruction sheet
- 1 Grommet plug (see Tech Tips)

**Tech Tips**

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

The 50-ohm coaxial cable can be shortened as required. However, it should remain at least 3 feet in length, measured from the point where the cable exits the antenna.

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.

