

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 KJM A431-AIS, end-fed 1/2-wave marine VHF antenna of 4' overall length and heavy duty construction. It is specifically designed for use with AIS equipment, and meets the strict requirements of the AIS specification. The one-section, 3dB antenna has a stainless steel ferrule and a 20' RG-8/X low-loss coax cable, and is designed to reduce fading when working in rough seas.

**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 as high as feasible, as free as possible from obstructions, and as far as possible from other antennas and strong sources of RF.

1. Mount the antenna using a M101 Stainless Steel Ratchet Mount (each sold separately). Follow the instructions included with the mount you choose.
3. Install the RG-8/X connector (supplied). Instructions are packed with the connector. Connect the antenna to your transceiver.

**Elaborate grounding systems are not needed. This antenna works equally well on fiberglass, wood, or metal boats.**

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 "short 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.

