Marine TV-AM-FM Antenna Installation

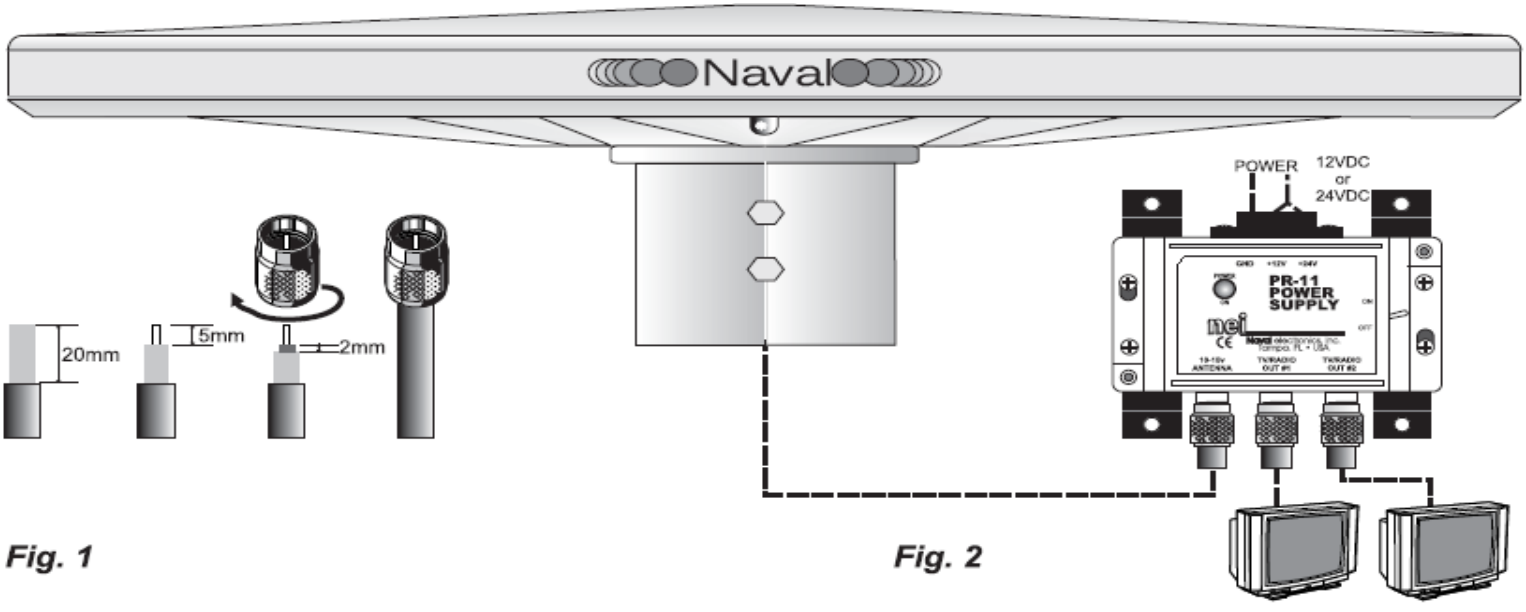

Fig. 1

Fig. 2

Antenna Unit

The antenna should be mounted as high as possible and placed away from funnels, radio antennas and radars to avoid reflections and interferences. The best location is at the mast head free of obstructions in all directions. The antenna can be mounted on a 1.5in or 38 mm mast tube, deckmount flange or mast mounting bracket.

The coaxial cable downlead, should be well protected and secured to the mast. Unload the downlead cable by means of cable clamps and protect it from mechanical damage. Avoid outdoor cable splices. If a cable splice must be made, make it waterproof, by using Coax Seal which we have in stock. Avoid excessive bending of the coaxial cable.

The range of reception is determined mostly by the height of the Transmitting Station Antenna and the height of the TV Antenna on the vessel.

Installation of the PR11 Power Supply

A. Mount the power supply inside on the bulkhead by means of two screws.

Note: *The PR11 Power supply is not waterproof. Do not connect the supply voltage until the installation is completed.*

B. Strip the downlead coaxial cable and twist on the F connector, **See fig. 1.** Make sure that no parts of the braid are short circuiting the inner conductor. Connect the cord to the terminal marked Antenna". **See fig. 2.**
Strip the Radio/TV coaxial cable and twist on the F connector. Connect the cord to one of the terminal marked "TV/ Radio Output".

Note: *To achieve optimum performance, it is essential that the totalcable length (between antenna and Radio/TVset) is not longer than 15 m (45 ft).The coaxial cable must be a low loss 75 ohm type. Secure the coaxial cable by means of clamps and avoid excessive bends and sharp edges. Always terminate any unused Radio/TV Port with the supplied terminator plug for optimum results.*

C. Connect the supply voltage input to the terminals marked GND, 12 VDC or 24 VDC. The 12 V terminal accepts 12-15 VDC and the 24 V terminal 18-30 VDC. Install the fuse holder with a 315 mA fuse on the positive side of the power cable.

Note: *Inspect the completed installation. Check for proper supply voltage before applying power. Turn on the power switch which is located on the right side of the PR11 to activate the antennas built in low noise amplifier. The power LED should light.*

D. Tune your Radio/TVset and check sound/picture quality.

Note: *In some ports severe reflections from buildings, cranes, s h i p s , etc; can cause ghosting due to multipath reception. In some areas, close to transmitters, overloading can occur to the built in amplifier and/or Radio/TV Sets. Under these circumstances do not interfere with the installation or the Radio/TVset.*

Accessories

Deck mount flange in stainless steel 38 mm

Diameter:	105 mm,	4.20”
Height:	60 mm,	2.40”

Mounting bracket in stainless steel 38 mm

Length:	395 mm,	16”
Height:	100 mm,	4”

Trouble Shooting

If the system is not working satisfactory, please check the following:

1. Proper supply voltage to power supply
2. Connections
3. Output voltage from power supply (should be 15 V DC)
4. Antenna current (approx. 90 mA)
5. 150mA DC Fuse

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