



### Installation

1. Decide the place where you attempt to put the antenna.
2. Attach the antenna wires supplied to the terminals on both side of MMN-100 as shown in the figure.
3. If the antenna wires are too long for the place, cut the antenna wires to desired length. At this time, each wire should be the same length.
4. Attach coaxial cable to the connector of MMN-100 with a PL-259 connector. Refer to the connector assembly instructions below.
5. Attach the MMN-100 onto the antenna mast with the supplied mounting hardware. The mounting hardware is adjusted for 25mm - 63mm (1 inch - 2.5inch) tubing. If your antenna mast differs from this size, please make a mounting attachment suitable for it.
6. Stretch the antenna wires to both side so that the wires are in line, and hold each end to a mast or other suitable construction with a wire or rope.

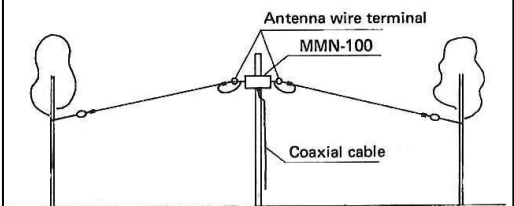
### Features

It is difficult to put a full size antenna on a yacht or boat. **MMN-100** has been designed to put an antenna in such restrictions of space, and gives low VSWR with short antenna elements on wide frequency range of 1.5MHz to 30MHz.

### Specifications

|  |  |
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| <b>Usage</b>                           | Dipole or whip antenna                 |
| <b>Frequency Range</b>                 | 1.5 - 30 MHz                           |
| <b>VSWR</b>                            | <2.0 with supplied elements            |
| <b>Input Impedance</b>                 | 50 Ω                                   |
| <b>Insertion Loss</b>                  | 6dB                                    |
| <b>Operating Temperature</b>           | -30°C to +80°C                         |
| <b>Maximum Input Power</b>             | 200 watts pep (SSB),<br>100 watts (CW) |
| <b>Dimensions (Without Projection)</b> | 180 (W) x 65(H) x 55(D)<br>mm          |
| <b>Weight</b>                          | 270g                                   |

#### Dipole Antenna Installation



#### Antenna Wire Installation

