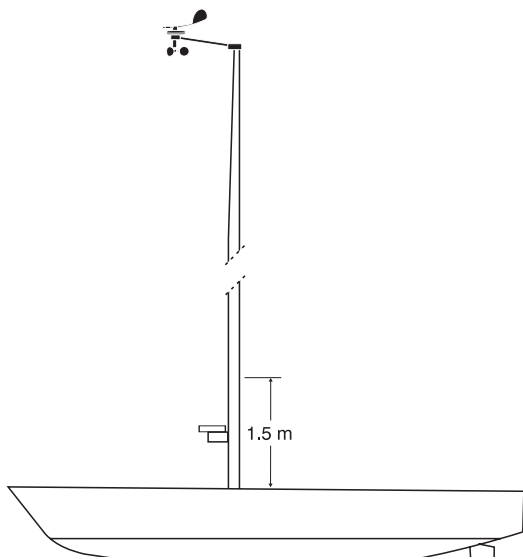


Raymarine®



UU076 - rev03 Mast Rotation Transmitter user guide

Mast Rotation Transmitter

Minimum system requirements

1. A Tacktick Micronet display with Compass Setup capability (e.g. the Digital, Dual Digital, or Remote Displays; but not the Analogue Display)
2. A Tacktick Wind Transmitter and Hull Transmitter with Compass Transducer (or a Wireless Interface and equivalent NMEA data source).

Location advice

The location must be free of magnetic disturbance (stainless steel, aluminum, carbon, and brass present no magnetic disturbance).

The location must give the solar panels a clear view of the sky.

The bracket should be within 15 degrees of the vertical (variable mast rake causes no problems, so long as it is less than 20 degrees)

A location less than 1.5m above the deck is advised.

For masts longer than 20m, the bracket should be fitted to the front of the mast to provide a clear radio signal path to the masthead wind unit; otherwise, any position on the mast is acceptable.

Installation

1. Fix the bracket to the mast using non-magnetic rivets or self tapping screws. Ensure that the securing screw ① is at the bottom. Or attach the bracket using the supplied Velcro strap as follows: Stick the adhesive Velcro patch horizontally to the opposite side of the mast at the intended height for the bracket. Fit the foam pads to the bracket, to protect the mast ②. Attach one end of the Velcro strap to the adhesive patch on the mast. Offer the bracket up to the mast, and thread the Velcro strap through the slots ③ in the side of the bracket. Wrap the strap around the mast, pull tight applying plenty of tension, and fasten. Cut off excess Velcro, but leave AT LEAST 80mm (3") overlap.

Warning: Check your installation before you sail. Tacktick does not accept responsibility for units lost at sea due to insecure fixing.

2. Autonetwork the mast rotation transmitter into the existing network, by following the yellow instruction guide provided
3. Fit the transmitter in the bracket, with the fixing screw provided ①.
4. Check that the Micronet display(s) are showing Apparent Wind Speed, Apparent Wind Angle, and Compass Heading.

Calibration

To ensure accuracy, the transmitter must be calibrated:

1. Fix the mast on the fore and aft axis of the boat.
2. When in clear open water, select the compass setup page on a Micronet display (refer to the setup section of the user guide for your display). Make a note of the deviation displayed.
3. Carry out a deviation correction turn as described in the user guide.
4. Check the deviation displayed. If it has changed by more than 1° from the value noted, note the new deviation and repeat the turns.
5. If the deviation displayed has remained stable, your system is correctly calibrated. Exit setup on the Micronet display, and unlock the mast from the fore and aft position.

Troubleshooting

To view the Mast Rotation Transmitter battery level and solar charge rate from a Micronet display, access the MAST^o page in the Health chapter (refer to the display user guide).

If the Mast Rotation Transmitter battery level becomes low, the "Wind Low Batt" alarm will be displayed.