

Limited Warranty:

Warranted for three years against any defects in material or workmanship. Any light that develops such defect within this period from date of purchase will be repaired or replaced at Signal Mate's option. The light should be returned to Signal Mate with an RMA (Return Merchandise Authorization) number, and the sales receipt. Also, please include a written statement of the failure, including when, and how it occurred. Warranty is void if the light is opened or otherwise tampered with. This warranty does not cover any shipping costs.

This limited warranty does not cover damage to this product due to misuse, accident or improper installation, nor does it cover any incidental or consequential expenses to the user resulting from malfunction, non-function or misuse of this product. It does not cover damage from lightning, or other natural disasters.

Signal Mate, LLC
113 N. Collington Ave Baltimore, Maryland 21231
Phone 410-777-5550 Fax 410-675-4927
info@signalmate.com
www.signalmate.com



Signal Mate, LLC

Owner's Manual

Signal Mate Models:

Starboard; 2NM112G – Port; 2NM112R - Stern; 2NM135W
Bi-Color; 2NMBi225 – Towing; 2NMTOW



USCG 2 Nautical Mile Approval 33CFR 183.810
Meets ABYC A-16 & 72 COLREGS
Tested by IMANNA Laboratory Inc., July 29th, 2009
Towing March 30th, 2010

Introduction:

The Bi-Color is used to replace the deck port and starboard lights having a single fixture.

The light provides constant brightness over the full operating range of 10 to 30 volts. This insures the light will meet or exceed the visibility requirements as the battery voltage drops from use.

Wiring:

Protect circuit with a 1 amp. fuse or circuit breaker to the red wire.

Red wire = battery positive (+).

Black wire = battery negative (-).

Specifications:

Visibility: USCG 2 Nautical Mile Approval 33CFR 183.810

Meets ABYC A-16, 72 COLREGS

Voltage Range: 10-30VDC

LED Driver: Constant Current

LED: 3 watt

Current Draw: 0.100 amps at 12VDC

Construction: Hard anodized aluminum, polycarbonate lens.

Wiring: 2 1/2 feet UV outdoor 20 AWG wire.

Weight: 5.2 oz

Height: 3.25 inches

Diameter: 1.5inches

Mounting: 1/4" x 20 female threads on bottom of light for mounting.

Durability: Waterproof

Mounting Instructions:

Port, starboard, stern and bi-color can be mounted on deck, cabin sides or rail mounted. Use the 1/4 x 20 inch female threads on bottom of light for mounting. There are also optional mounting brackets that can be purchased for easier and faster installation.

Bi-Color is mounted forward and close to the centerline of vessel with the cable straight back inboard.

Stern & Towing (above stern) is mounted as far aft as possible and close to the center line of vessel with cable straight back inboard.

Port is mounted on left hand side facing forward (side mounted, cable coming inboard).

Starboard is mounted on right hand side facing forward (side mounted, cable coming inboard).

Check the LEDs before mounting by connecting light to a 12 or 24 volts DC battery.

Connect the red wire to the positive (+) side of the battery, and connect the black wire to the negative (-) side of the battery. The light will illuminate.

Optional mounting items www.signalmate.com.

- Bracket Termination (BRKTERM) PN: BRKTERM
- 360 degree bracket PN: BRKT360.
- 3/4 or 1 inch pole mount adapter PN: PADPT75 or PADPT1.
- Railing mount PN: RAILMT

