

KA-SC20 & KA-SC90 Quick Installation Manual

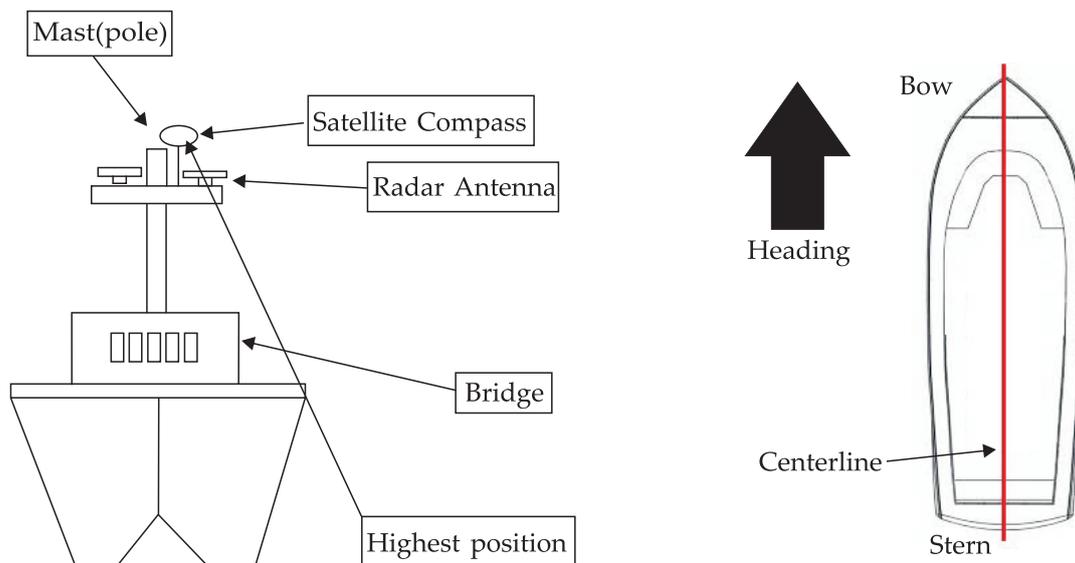


KA-SC20



KA-SC90

Installation Location

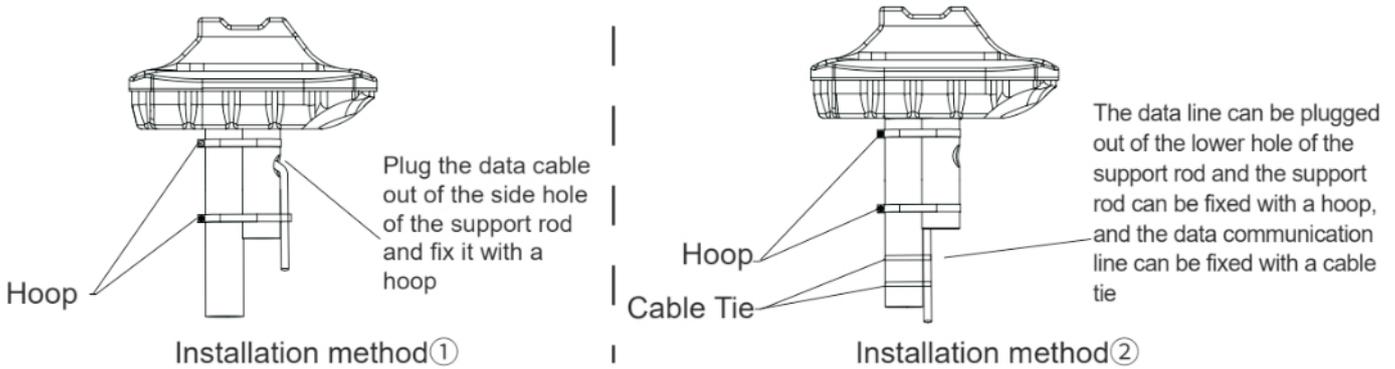


- The satellite compass antenna is recommended to be installed at the highest position on the ship, without any obstructions in the satellite signal receiving surface;
- Stay away from any metal surface or magnetic surface that can reflect satellite signals. This reflection may lead to signal "multipath" to a certain extent, thereby reducing the heading performance and accuracy of the compass. With the compass as the center, there should be no metal surface above the horizontal plane of the fuselage within a radius of 2m;
- Install away from radio frequency radiation sources to avoid RF radio frequency interference. If there are radar systems, satellite stations, etc., ensure that the antenna is installed outside the range of the radar radiation beam.

Installation Direction

Under normal circumstances, the longitudinal axis should be aligned with or parallel to the centerline of the ship's fore and aft during installation. The antenna shell has a heading direction mark, Adjust the position of the antenna through the standard line of sight. If there is deviation when fixing the antenna, You can use the display (Optional) carries out the installation angle deviation correction.

Pole Mounted Installation

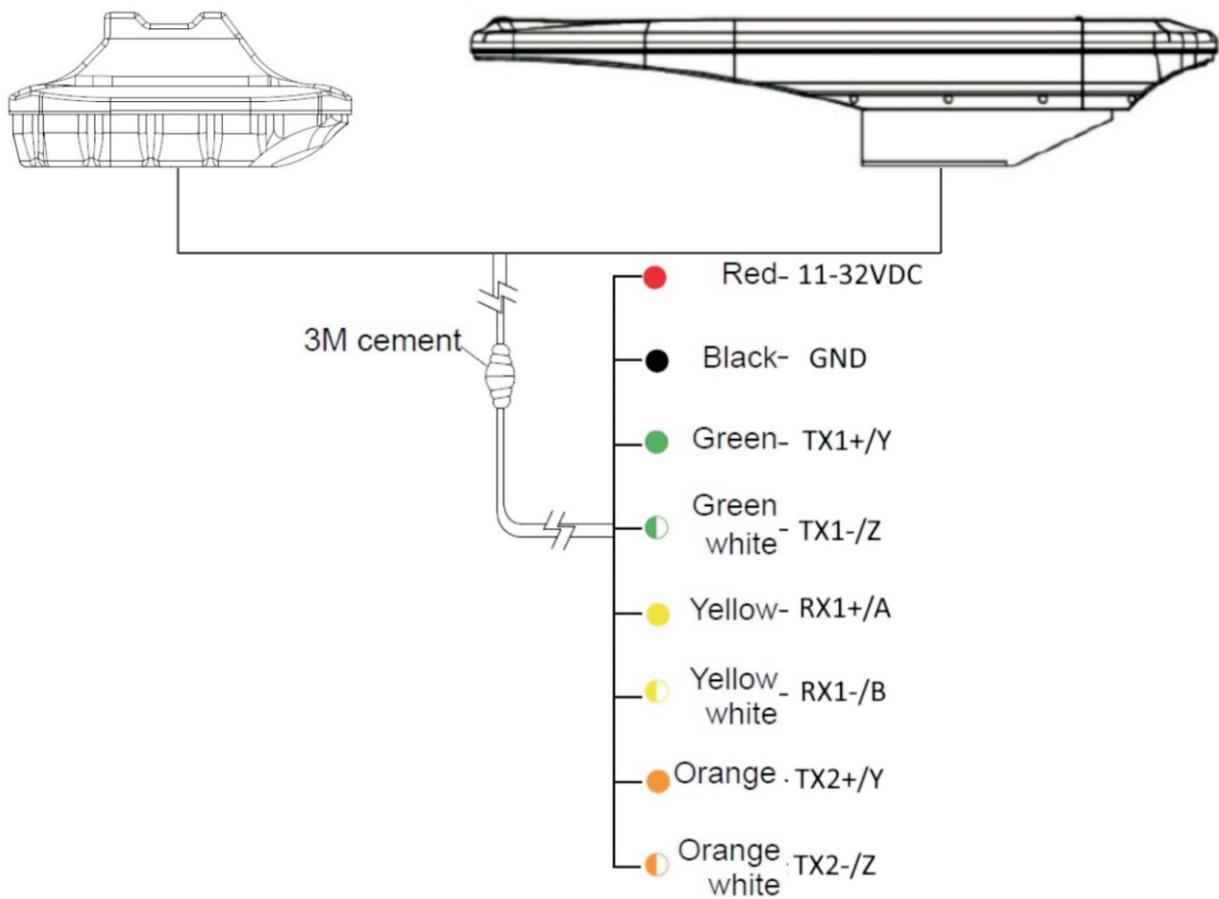


Fixing The Waterproof Connector

Follow the below instruction to apply the supplied self-bonding tape on the waterproof connector :

<p>1) Connect the waterproof connector</p>	<p>2) After the waterproof is connected, find the self-bond tape in the accessories</p>	<p>3) Tear off the supplied tape</p>
<p>4) Stretch the tape and wrap it around the waterproof plug</p>	<p>5) Tighten the entire waterproof connector and tighten the seal tightly</p>	<p>6) Finished</p>

Wiring



Specifications

General	KA-SC20	KA-SC90
Baseline length	20CM	60CM
Heading Accuracy	1° RMS	0.4° RMS
Attitude accuracy	Pitch/Roll: 0.4° RMS	
Cold start	<2min	
Position Accuracy	2.5m	
First Positioning time	Cold start : ≤32s Hot start : ≤32s Recapture : ≤1s	
Speed measurement accuracy	GPS + BDS : 0.1m/s	

Interface

Number of ports	NMEA0183 data interface (RS422)X2
	1. Baudrate : 115200 (fixed)
	2. Baudrate : default 4800 (adjustable)
Data sentences	RMC, VTG, GGA, GSA, GSV, GLL ZDA, GST, HDT, HDG, THS, ROT

Power Supply

11~32V

Environmental Condition

Temperature	-30°C ~ +70°C
Degree of protection	IP56
Vibration	IEC60945

For more detail please download the full manual from <http://www.onwamarine.com>

 Please consider the environment before printing the manual