

AIS Net Locator operating instructions

■ Unpacking and inspection

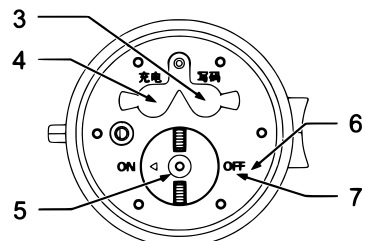
Please unpack the product properly and take an inventory of the accessories according to the table below. It is recommended that you keep the box and packaging materials.

Item	Count	Item	Count
Net Locator	1	Manual	1
Power adapter	1		

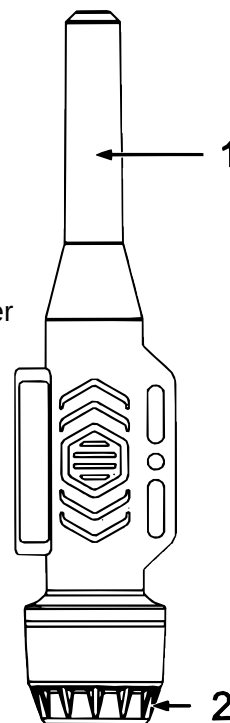
■ Main features

- GPS/BeiDou dual-mode precise positioning, with the possibility of displaying the position of the Net Locator on the AIS receiver
- Display of the Net Locator's power status on the AIS receiver
- AIS signal transmission interval configurable: 0.5 minutes - 10 minutes
- Waterproof rating: IPX7.
- Can work continuously for more than 15 days on one charge (transmitting interval set to 3 minutes)
- Easy bundling and convenient operation for switching on and off

■ Overview



1. Built-in antenna
2. Transparent bottom cover
3. Programming interface
4. Charging port
5. Power switch
6. Charging indicator (red and yellow)
7. Working light (red and green)



■ Notes

The programming interface is used to set the ship name, MMSI code, transmit interval time, call sign and other extended information. To be set by the dealer only.

No attempt should be made to remove the panel of the Net Locator as this will cause a leak!

■ Charging the battery

Before use, the battery should be charged.

Plug the power adapter into the AC power output socket.

Unscrew the transparent bottom cover on the underside of the Net Locator.

Remove the plug of the charging port on the panel of the Net Locator and plug the output terminal of the power adapter into the charging port to start charging.

When the battery is fully charged, the yellow light will be illuminated. Charging time is approximately 4 to 5 hours.

After charging, the transparent bottom cover should be screwed on tightly to ensure water resistance.

■ Notes

When charging, please turn the power switch to OFF (power off).

Do not short-circuit the charging connector.

Use a dedicated power adapter (DC 9.2V / 1A output), otherwise the unit may be damaged.

■ Switching on and off

Power on:

Turn the power switch to the ON position, the red and green lights will illuminate for 2 seconds and then turn off to enter normal operation.

Power off:

Turn the power switch to the OFF position to enter the power off state.

■ Description of the indicators

Indicator lights	Status	Description
Green light	Fast flashing	GPS in position, battery above 7.0V.
	Slow flashing	GPS in position, battery below 7.0V. Please take care to recharge the device in time.
Red light		AIS transmission
Green + Red	Simultaneous illumination	Power-on initialisation

■ Main technical specifications

Transmit power	5W
Operating time	> 360 hours
Lithium-ion battery (DC7.4V)	3000mAh
Weight (with battery)	336g
Frequency range	161.975MHz; 162.025MHz
Frequency stability	±0.5ppm
Operating temperature	-20°C – +60°C
GPS/BeiDou update interval	30s – 10min (configurable)
External dimensions (L*W*H)	330mm * 74mm * 65mm
Transmit frequency bias	1.8kHz
Frequency interval	25kHz
Baud rate	9600bps (GMSK)

■ Caution

- If the GPS green light is flashing and the positioning status lasts for more than 90 seconds, the GPS is working abnormally. Please check whether the GPS reception signal in your environment is affected by obstructions, such as for example, if the Net Locator is placed indoors.
- If the transmitting interval is longer, the standby time of the unit can be increased.

This can be set by the user on request by contacting the dealer.

- Take care when tightening the transparent bottom cover.
- If you find that the silicone waterproof ring is old or damaged, please contact your dealer for a replacement.

■ Installation diagram

