

# User Manual



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Made in Taiwan

### Warning

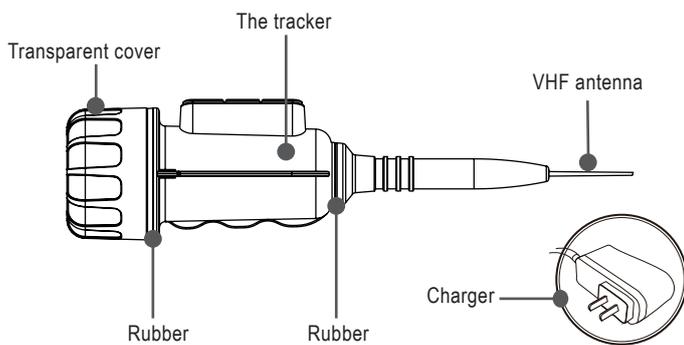
AT-108 is a fully certified Type 1 AIS Aids to Navigation buoy tracker. This device has some optional user activated functionality which may not be permitted in some countries. If you are in any doubt, please check with your local authorities.

### Notifications

- Do not charge it over 6 hours.
- Stay away from fire.
- Do not crash by Human negligence.

## What do I need?

The tracker, Transparent cover, Rubber, VHF antenna, Charger



## Charging

- Turn OFF the tracker while charging.
  - Input: AC100~240V, 50/60Hz
  - Output: DC13.1V/1A
  - Charging (red) / Fully charged (green)
- Take 4~5 hours for charging, return ON the tracker to make sure the light flash 9~10 times.

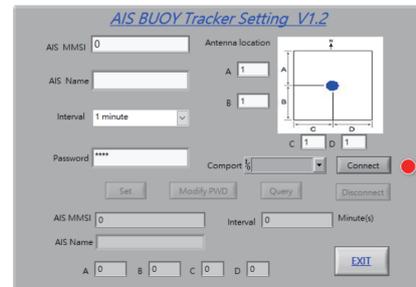
## Software setting

- Download and install the software on PC.
- Connect the supplied USB cable to the AIS tracker and PC.
- Open the software and choose the right COM Port and required model of the device.

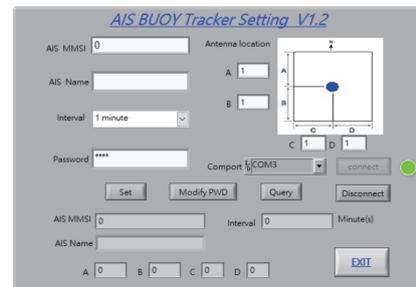
- 1 Plug in the data cable.
- 2 Turn on the AT-108.
- 3 Connect to PC by USB.



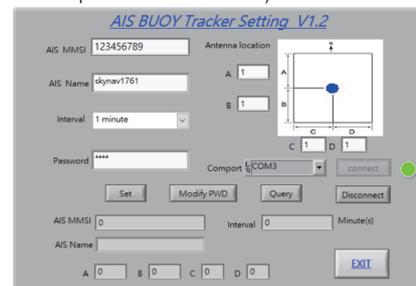
- 4 Start the AIS BUOY Tracker software.



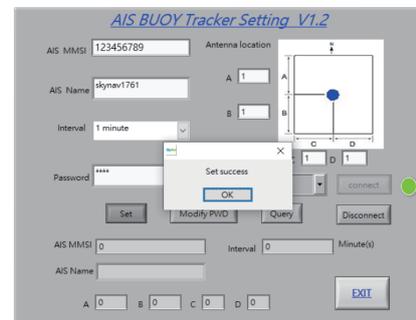
- 5 Password:1234, choose the correct COM Port and click the "connect".



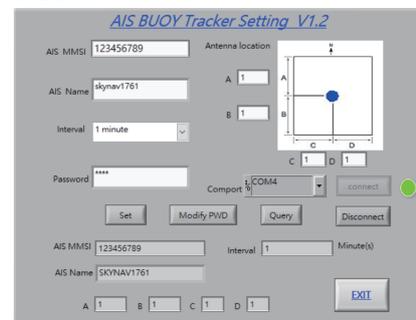
- 6 Enter the MMSI, Name (17 characters) and select Interval.
- 7 Enter the information of your marine equipment. (The blue point is the position of our tracker.)



- 8 Click the "Set".



- 9 Click the "Query" to check if the information is set correctly.
- 10 If yes, Click the "Exit".



### ① Check the device is work

- Check the Battery status:  
Flashing 1~10 times (red & green light) showing battery level 10~100%.  
Fast flashing red light for 10 seconds showing the battery is less than 50%.
- GPS searching status:  
Green light flashing is searching GPS.  
Please put the Tracker outdoors or along the window in order to receive the GPS signal.  
After 40~70seconds, the green light stops flashing while GPS signal fixed.
- AIS signal status:  
Flashing red & green 3 times at the same time means the AIS data is transmitting, once the signal transmitted the light will stop flashing.
- Congratulations, you set the Trackers successfully.

### ⚠ Notifications

- If you need to continue to set another AT-108, you do not need to re-enter your password and COM Port.  
Just click connect and repeat step 6 to 9.
- Please remember to restart the AT-108 before test and use it.

### ■ Installation

- Fasten it properly while installing the antenna and the transparent cover.
- Setting it on the target that you want to track. And make sure the environment is outdoors without hindrance.
- Please install AT-108 more than 1 meter above sea level to increase transmission range.
- Install at the highest position.

### ■ LED Flash Code

Flashing 1~10 times (red & green) to show battery level 10~100% while turning on the tracker	➔	Battery status
The red light continues lighting	➔	You didn't set the MMSI and vessel name correctly
Fast flashing red after showing battery status	➔	Low power warning that the power is less than 50%
Flashing green per second	➔	GPS signal searching
Green light stop flashing	➔	GPS signal fixed
Flashing red & green for 3 times per second	➔	Transmitting AIS data

### ■ Application

Fishing buoy, Marine observatory, Offshore platform, Weather buoy.

#### Maintain

- When the charger can't work—Try to use the different charger for cross-comparison.
- Please replace the waterproof rubber every 3~6 months to prolong the product life.

### ■ Specification

- Quad Band : 161.975 MHz / 162.025 MHz
- Output Power : 2 W
- Battery : 12.6V 3200 mAh
- Battery Type : Rechargeable Li-ion battery
- Operating time : Up to 15 days (reporting interval: 3 min)
- Size (Main Body) : 21 cm x 9.3 cm
- Weight (Main Body) : 550g
- Waterproof : IPX8
- Operating Temperature : -10°C~60°C
- Storage Temperature : -20°C~70°C

### ■ Warranty

Remark:

1. One-year warranty effects from the purchase date.
2. The warranty covers any manufacturing technical defect excluding breakage.
3. The warranty does not cover faults resulting from operation careless handling or not the following instruction. Also, to electric shock cases.

**Please keep this warranty card to retain buyer's legal rights. No replacement if lost.**

Distributor

Sold Date: \_\_\_ / \_\_\_ / \_\_\_\_ (dd/mm/yyyy)