

ONWA GPS Tracking Device Model :KS-33NT and KS-33NT _X

Thanks for choosing our AIS/GPS tracking device, model : KS-33NT.

KS-33NT is a high quality tracking device apply AIS and GPS technology. KS-33NT can be used in different tracking purpose for fishing boat net tracking, AtoN buoy, etc. An external antenna version (KS-33NT _X) is available please consult Onwa distributor for more information.

Application:

1. Geo-fence
2. Tracking of Fish nets
3. Tracking of Crab pots
4. Fishery Management
5. Boat tracking
6. AIS AtoN
7. AIS SART

Specification:

Standards:

IEC-62287 IEC 62287-2 Ed. 2.0:2017

Position update:	Every 3 minutes
Working frequency:	161.975MHz / 162.025MHz
Output power:	34.8dBm±1.5dBm
Channel bandwidth:	25 KHz
Modulation mode:	GMSK
Bit Rate:	9600b/s±50ppm(GMSK)

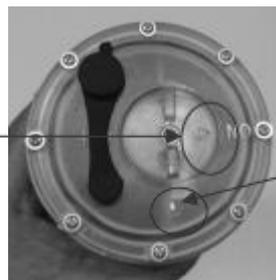
Transmit Power:	4W, 6.5W, 12.5W (specify when ordering)
Working Voltage:	7.4V (for 4W and 6.5W version), 12V for 12.5W version Working Temp : -20~60℃
Housing Color:	Orange (4W), Orange (6.5W), Yellow (12.5W) Housing material : High quality ABS
Indicator LED:	Status and battery indication
Dimension:	315mm(H), 85mm(Diameter, max)
Weight :	400g (Include battery)
Working hour:	360 hours continuously
Waterproof:	IPX7
Technology :	AIS
Battery:	Rechargeable Lithium

Operation :

- 1) Unscrew the transparent plastic cover



- 2) Switch on KS-33NT by turning the switch from [OFF] to [ON] position



Flashing LEDs

- 3) After switch on you can see flashing LEDs. The LEDs tells you the following :

A) Number of flashing LEDs tells you battery capacity

- Three LEDs = 100%
- Two LEDs = around 50%
- One LEDs = less than 20%

You need to recharge the battery when you see only one flashing LED

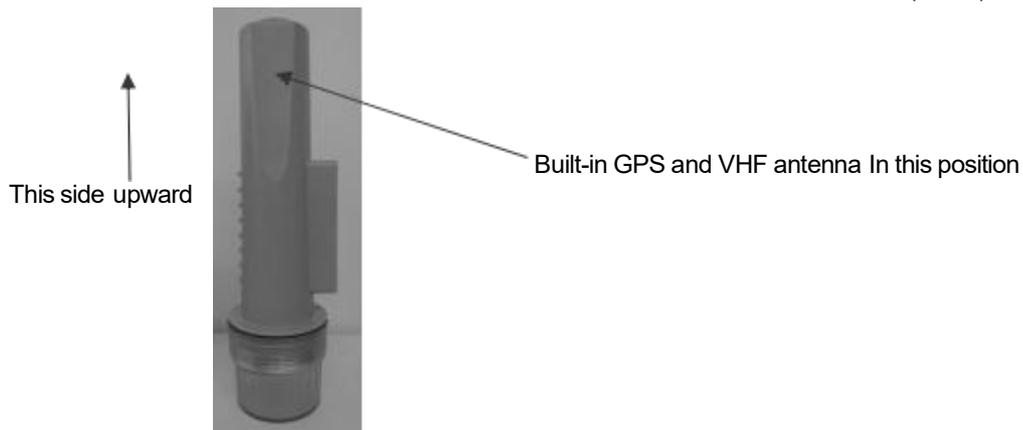
B) Tells you the status of GPS fix

- Flashing = No satellite
- Stop flashing = GPS fix

4) Screw back the plastic cover and start to use



5) Locate the DS-28NT in below direction, don't reverse the direction since the GPS and VHF antenna (inside) need to be faced upward.



Re-charge

When battery capacity goes low then you need to re-charge the built-in battery. Remove the rubber cover (large side) as shown below and insert the battery charger as shown.



Remove the rubber cover



Battery charger



Insert the battery charger

You can watch the charging indicator on the battery charger which tells you the charging condition



Charging indicator

Green color = fully charged

Red color = start charging

Yellow color = over 50% charged

Equipment List:

- Tracking Buoy unit
- Battery recharger