



*SF2500*TM

Fishermen's preferred communication!

- Cost effective for voice calls and SMS
- GPS tracking capability
- Supports multi-languages
- Crew Calling feature

The SF2500TM is a voice satellite terminal with a built-in GPS tracking system specially designed for reliable performance in the harsh maritime and land environment. This affordable, easy-to-install and user-friendly terminal enables users to make satellite voice calls to normal PSTN phones, mobile phones and other satellite phones through the Thuraya satellite network.

The SF2500TM supports SMS services through its easy-to-use menu on the large colour LCD screen. An Alert button is available to notify pre-configured contacts during an emergency. When the Alert button is activated, the SF2500TM will immediately send a pre-determined SOS message which includes the time-stamped GPS coordinates of the position to a maximum of three preset contacts for emergency response. With the help of built-in functions, SF2500 can also be used as a Crew Calling phone

The SF2500TM is truly a robust, versatile and cost effective solution for medium-size to small fishing vessels, pleasure boats, patrol boats and any other sea vessels or land vehicles.

Applications

- Supports Communication needs of fishing vessels, leisure boats, coastal guard boats, land vehicles, etc.
- Coastal surveillance
- In-land rural area communications
- Fleet management

Features and Functions

Base Terminal

- Supports basic telephony functions, Calling Line Identification Presentation (CLIP) and Short Message Services(SMS)
- Phone book
- Call log: last 5 missed, received and dialed calls each with date and time stamps
- Menu-driven graphical user interface with 65K colors, 220 x 176 pixels, 2" TFT LCD screen
- MMI in English, Chinese and Bahasa Indonesia
- Back-lit keypad
- Desk and wall mounting
- Alert button for triggering an emergency alert to pre-configured contacts via SMS
- External Alert button input port
- Ringer output port
- Configurable to support
 - o Automatic Position Reports (APR)
 - o Polling for an on demand position report

- o Geo-fencing. Up to 5 areas (circular or rectangular) can be configured. Sends an alert when the vessel enters or leaves an area
- o Over-the-air update of system configuration parameters

Antenna

Active Antenna

- Omni-directional active Thuraya satellite antenna with built-in active GPS antenna
- Up to 40 metres of LMR400 (or equivalent) co-axial satellite antenna cable
- Active antenna must be connected to an external power source (10 ~ 30 VDC)

Passive Antenna

- Omni-directional passive Thuraya satellite antenna with built-in active GPS antenna
- Up to 5 metres of LMR400 (or equivalent) co-axial satellite antenna cable

Note: Passive antenna is recommended only for small boat installations.

General specifications

Thuraya Approved
Compliant to CE

Services

Voice
SMS: up to 160 characters

Size

Base Terminal [L x W x H]: 205mm x 190mm x 80mm
Passive Antenna: 95mm (Dia.) x 150mm (H)
Active Antenna: 210mm (Dia.) x 180mm (H)

Weight

Base Terminal 1.1kg
Active Antenna 1.7kg
Passive Antenna 300g

Power Supply and Consumption

DC input range (isolated): 10.8 ~ 31.2 VDC
Power (max): 10 W

Environmental Conditions

Operating humidity: up to 95% (non-condensing) at 40°C

Operating Temperature:

Base Terminal: -10°C ~ +55°C
Antenna: -25°C ~ +55°C

Storage Temperature:

Base Terminal: -20°C ~ +70°C
Antenna: -40°C ~ +80°C

Ingress Protection Rating:

Base Terminal: IP30

GPS Specifications

Number of tracking channels: 20 (SiRF Star-III)
Position accuracy: <10m 95%
Time to First Fix:
Hot start <1 second
Warm start <30 seconds
Cold start <35 seconds

Interfaces

- Alert Button
- Satellite antenna connector (N-Type female)
- GPS antenna connector (TNC female)
- Corded handset connector (RJ9)
- SIM card connector
- RS232 connector (DB-9)
- DC Power supply input socket
- Power On/Off switch
- External Ringer output port
- External Alert button input port
- Mini-USB (This is ONLY for maintenance purpose.
For more information, please contact your distributor.)



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