SF2500™

Fishermen's preferred communication!

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

The SF2500™ 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 SF2500™ 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 SF2500™ 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 SF2500™ 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 (circluar 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 40ºC

Operating Temperature:
Base Terminal: -10ºC ~ +55ºC
Antenna: -25ºC ~ +55ºC

Storage Temperature:
Base Terminal: -20ºC ~ +70ºC
Antenna: -40ºC ~ +80ºC

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.)