



# *SF2500*<sup>TM</sup>

## Fishermen's preferred communication!

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

The SF2500<sup>TM</sup> 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<sup>TM</sup> 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<sup>TM</sup> 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.

The SF2500<sup>TM</sup> 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

#### 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

#### 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

Note: Active antenna must be connected to an external power source (10 ~ 30 VDC)

## 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  
Passive Antenna 300g  
Active Antenna 1.7kg

### 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  
Antenna: IP66

### 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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