

THE ULTIMATE SATELLITE PHONE AT SEA

SF 2500



liberating communications

TM

www.thuraya.com

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THURAYA
MARINECOMMS 



Reliable

Reliable

- Excellent voice quality
- Thuraya coverage area is more than two-thirds of the global coverage
- GPS tracking & emergency alert function



Robust

Robust

- Built for extreme conditions
- High temperature and humidity tolerance



Economical

Economical

- Affordable voice and SMS communication



Simple

Simple

- Easy-to-install
- Small but powerfull antenna

Smarter communication within your grasp



The SF2500™ is a voice satellite terminal with a built-in GPS tracking system specially designed for reliable performance in the harsh maritime environment. This affordable, easy-to-install and user-friendly terminal enables users to make satellite voice calls to any phone in the world.

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 a possible emergency. When the Alert button is activated, the SF2500™ can immediately send a pre-determined alert message which includes the time-stamped GPS coordinates of the position up to three preset contacts for emergency response.

The SF2500™ is truly a robust, versatile and cost effective solution for medium-size to small fishing vessels, pleasure boats, merchant boats and any other sea vessels.

Applications

- *Supports communication needs of fishing vessels, leisure boats and large vessels*
- *Coastal surveillance*
- *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 and Chinese and Bahasa Indonesia
- Back-lit keypad
- Desk and wall mounting
- Alert button for triggering an emergency alert to pre-configured contacts via SMS or GmPRS
- An external input port for an optional extra alert button
- Ringer output port
- Configurable to support
 - Automatic Position Reports (APR)
 - Polling for an on demand position report
 - Geo-fencing. Up to 10 polygon areas can be configured. Sends an alert when the vessel enters or leaves an area
 - Over-the-air update of system configuration parameters

Maritime Antenna

Active Antenna

- Omni-directional active Thuraya certified antenna with built-in active GPS antenna
- Up to 40 metres of LMR400 (or equivalent) co-axial satellite antenna cable



General specifications

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).



Low Latency



Light Weight



Plug-and-Play



GPS



Congestion Free

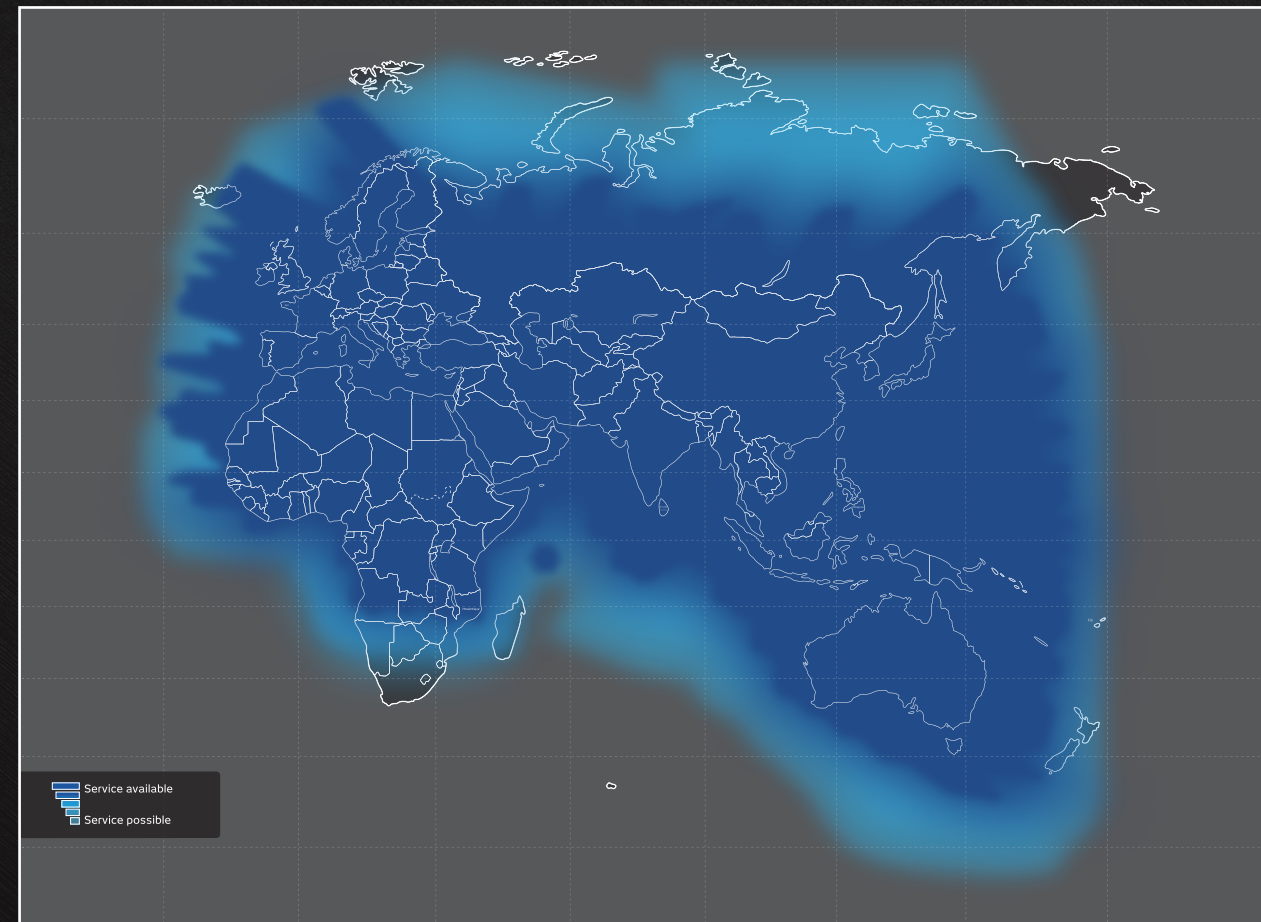


Active Antenna
Connector

Thuraya Coverage Area

Thuraya is a leading international mobile satellite services operator that provides quality and value communications solutions in more than 140 countries across Europe, Africa, the Middle East, Asia and Australia. Thuraya offers state-of-the-art satellite communications solutions for vertical sectors such as energy, media, government, NGOs and maritime.

Thuraya's robust, powerful satellite network enables two-thirds of the globe's population to communicate clearly and effectively in areas underserved by terrestrial networks whether they are on land, in the air or at sea.



This map represents Thuraya expectations of coverage. For further information, please contact Thuraya Customer Care at customer.care@thuraya.com or visit www.thuraya.com