



SPST-1100B (ST-810)

GPS Satellite Phone Terminal

Anti-piracy Solution | The most advanced application

Android™ & iOS



Voice



SMS



Data



Email



GPS



USB



SIM



Tracking



Wi-Fi



LCD



Global



Phonebook



Handsfree



POTS



Handphone



Instant call

Small but Powerful

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How it performs



Voice communication

- Global voice call
- Instant call
- CID
- Call log
- Phonebook



Data call: 2.4kbps



Position tracking



External interface



SMS/Email:

- Maximum 160 Latin or 70 non-Latin characters
- SMS/SMS-to-Email
- Instant SMS

Spaceon Satcom APP



iOS & Android



Position tracking



Voice call



Instant call/SMS



SMS/Email



SIM card management

Technical Specification

Power

Rated voltage: +24VDC
Operating voltage range:
+10.8 VDC ~ +31.2VDC
Standby power: <12W

Frequency Range

Transmission:
1626.5MHz ~ 1660.5MHz
Receiving:
1525.0MHz ~ 1559.0MHz

EIRP:

TX Modulation: GMSK
RX Modulation: OQPSK

Antenna

Impedance: 50Ω
Beam width: 160°
Gain: 2dBi
Polarization mode: RHCP

GPS antenna

Impedance: 50Ω
Beam width: 120°
Gain: 2dBi
Polarization mode: RHCP

GPS receiving

Receiving frequency:
L1 (1575.42 MHz)
GPS receiving sensibility:
Tracking: -152dBm
Capture: -142dBm

External data interface

Interface standard: RS232
Interface rate: 115200bps

Display

Size: 2.3"
Resolution: 320×240
Material: TFT

Dimensions

ADU: 260mm×Φ220mm
BDU: 208mm×177mm×68mm

Application environment

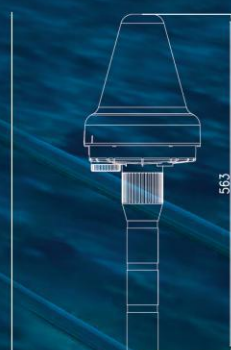
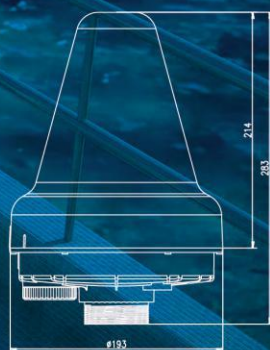
Temperature range: -20°C ~ +55°C
Humidity range: 5% ~ 95%
Storage: -30°C ~ +80°C

IP code

ADU: IP67
BDU: IP54

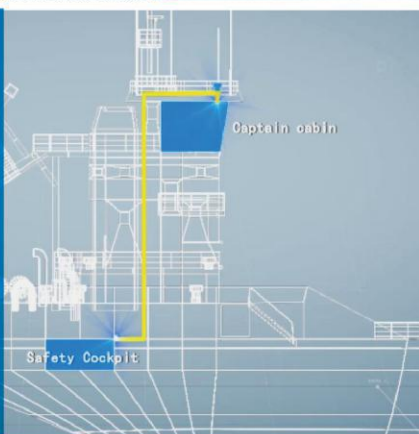
Certification & Qualification

Inmarsat Type Approval, CCS,
Type Approval of Fishery Administration,
CE, FCC, IEC-60945, SAR



Sketch of antenna ADU camouflage

Cable
Cable outer diameter: 8.2mm
Maximum extended length: 150m
surface hardness, resistance,
waterproof, resistant to sunshine,
chilliness and salt spray



Communication cable cable profile diagram



Operator's sketch of the SOS button

Where you can use it

Far-ocean communication

Vessel management

Navigation safety

Marine information integration service

