



# ST 6100

Choose the simple to install ORBCOMM ST 6100 when you need a powerful and versatile tracking device to reliably monitor and control assets and deliver communications even in some of the world's most remote regions

## KEY BENEFITS

- / Supplied ready for simple installation
- / Near real-time tracking for enhanced fleet intelligence
- / Rugged & reliable, and engineered for extreme conditions
- / Two-way satellite connectivity
- / Low look angle engineered for marine applications
- / Compatible with our vessel tracking suite of solutions

Combining the reliability of a dedicated device with the benefits of the latest IsatData Pro satellite technology, the ST 6100 offers two-way communications, low latency, and near real-time reporting capability.

Ruggedised and versatile, the ST 6100 features an environmentally sealed enclosure and low-elevation angle antenna. It is one of the most reliable and low-maintenance terminals in Pole Star's range.

The ST 6100 is ideal for charterers, as well as powered assets such as support vessels, tugs, workboats and fishing vessels.

# ST 6100 TECHNICAL SPECIFICATIONS

## Physical

Overall dimensions	12.6 x 12.6 x 4.9 cm
Weight	315g

## Environmental

Temperature range	-40°C to +85°C (operating and storage)
Vibration	SAE J1455 (Sec 4.9.4.2 fig 6-8); MIL-STD-810G (Sec 514.6)
Environmental rating	IP67

## Position reporting

Automatic position reporting	Yes
Change reporting interval	Yes
On-demand position reporting	Yes

## GPS / Glonass / Beidou

Acquisition time	Hot: 1 second; Cold: 29/30/36 seconds
Accuracy	2.0m CEP
Sensitivity	Acquisition: -148 dBm; Tracking: -163 dBm

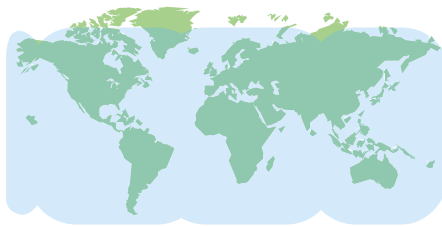
## Power

Input voltage	9 to 32 V
Power consumption (typical @ 12 V dc, 22° C)	Receive: 65 mA; Transmit: 0.65 A GPS/Glonass/Beidou Receive: 22mA Sleep: 100 µA

## Satellite

Satellite service	Two-way   Global   Inmarsat IsatData Pro
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Coverage



Frequency range	Rx: 1518.0 to 1559.0 MHz   Tx: 1626.5 to 1660.5 MHz; 1668.0 to 1675.0
EIRP	< 7.0 dBW
Elevation range	-5° to + 90°

## Certification / Compliance

Regulatory	CE, FCC, IC, Anatel, RCM Mark, IEC 60945, C1D2, SRRC, IFT, ICASA, FFA
Pending	MSS Russia
Others	Inmarsat Type Approval, IP67

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