



# gtt systems

global tracking & tracing systems

## GTTS-3000

# The most cost effective Iridium Short Burst Data Transceiver with GNSS

The **GTTS-3000** is the most cost effective Iridium Short Burst Data (SBD) transceiver with GNSS positioning for the Maritime Market.

Robustness, Reliability, Long Lasting and a Low Cost price were the keywords during the design of this versatile device.

There is a wide range of options available to accommodate a lot of maritime applications.





### Global coverage

True global coverage guaranteed.

## GTTS-3000 Iridium Short Burst Data Transceiver



### Reliable

Only 1 communication provider for global coverage, thus maximum reliability.



### No unexpected costs

No roaming costs among providers, thus predictable costs.

### Product Overview

The GTTS-3000 transceiver was developed to track & trace sea going Vessels and offer a true Global SBD two way communication channel. Special care has been taken in the selection of materials, the construction and the various mounting possibilities for optimum performance in a maritime environment. A wide range of options are available to fit most of the customer's needs.

### Applications

- Support for Electronic Charts (ECDIS)
- Tracking & tracing of all kinds of vessels, dredgers and marine equipment
- Shore Support M2M applications
- General M2M Monitoring and Control

### Product Specifications

#### Physical

Size overall (LxBxH)	19x18x9 cm
Height above mounting rail or deck	2 .. 7.5 cm
Magnets Holding Force	1240N (~124 Kg)
Mounting Hardware	Stainless Steel 316 and A4
Cover UV and Salt water resistant	PMMA/ABS

#### Environmental

Operating Temperature	-40 .. +85 °C
Storage Temperature	-40 .. +85 °C
Ingress Protection	IP-67 / IP-68

#### Electrical

Working Voltage	12 .. 24 Volts DC (8Vmin .. 36V max)
Power consumption average Receive	<50mA@12V / <25mA@24V
Power consumption during Transmit	<150mA@12V / <75mA@24V
Heater Optional	(5W)
Backup Battery Optional	(7.4V / 2200mAh)

#### Interface

Serial port I/O	RS-485 / RS-422 (115k2 max)
1 Opto Coupled digital Input	5 .. 24V DC
1 Analog Input	0..30V@12bit ADC
1 Output Open Collector Protected Mosfet	0.7 Amps / 60V DC (Sink)
WiFi	Optional

#### Communication

Iridium Satellites	Short Burst Data
Transmission delivery	Direct IP and/or E-mail
Iridium RX/TX Antenna	Integrated Patch Antenna
GNSS Positioning	GPS, GLONASS, GALILEO
GNSS RX Antenna	Integrated Patch Antenna
GSM/GPRS Optional	2G modem
GSM/GPRS SIM card and Antenna	Integrated in outdoor unit