



## GTTS-2000E Iridium Global Tracking & Tracing System

### Product Overview

Leap Development's GTTS-2000E series Iridium Tracking & Tracing System was developed to Track and Trace your truck, container, vessel or other assets Globally. The Engineers of Leap Development B.V. have many Years of experience in developing Tracking & Tracing Systems as well as Satellite Communications. They developed the GTTS-2000E in such a way that it can fulfill most of the customer needs without modifications, add-ons or special software versions. It's ruggedized all weather proof housing was especially designed to survive under the most extreme conditions. The GTTS-2000E runs from an external power source like a car's battery. Installation time is kept to an absolute minimum because it provides magnetic mounting and integrated Iridium and GPS Antenna's. It has various in- and outputs to connect or control external sources. An internal heater extends the operational temperature range.

### Applications

The GTTS-2000E provides asset tracking for Trucks, Trailers and Vessels. The true global coverage provided by the Iridium Satellite Constellation makes that the GTTS-2000E can be used as Vessel Monitoring System (VMS), Ship Security Alert System (SSAS) and Long Range Identification Transponder (LRIT).

### Product Specifications

<b>Physical</b>	Size	350x100x50 mm
	Weight	1250 gr.
	Optional Magnets Weight	180
	Magnets Holding Force	1080 N (~108 Kg)
<b>Environmental</b>	Operating Temperature	-35..+65 C
	Storage Temperature	-35..+25 C
	Humidity	Relative 100%
<b>Electrical</b>	Working Voltage	10..36Volt DC
	Backup Battery (integrated)	7.2V / 2200mAh Lion
	Power consumption average during SBD transmission	Receive: 110mA@12V 55mA@24V Transmit: <200mA@12V <100mA@24V
	Heater	5 Watt (420mA max @ 12V)
	Turn on	temp.< 5 degr. C
<b>Interface</b>	2.4 GHz wireless ANT	used for optional wireless sensors and/or maintenance & Control
	Serial Port I/O	RS232 115k2 max
	2 opto coupled inputs	5..24 Volt
	1 Protected mosfet Output	Open collector 0,7A / 60V
	1 Analog input	30 V DC max
<b>Sensors</b>	Motion Sensor	used to control reporting frequency
	Ferro Detector	used as turn on/off switch and removal/sabotage detector
<b>Satellite</b>	Iridium Constellation	True Global Coverage
	Frequency	1616 - 1626.5 MHz
	Transmission	Short Burst Data TDMA/FDMA
	Communication	Direct IP and/or E-mail
	Iridium RX/TX Antenna	integrated Patch Antenna
	GPS	20 channels Sirf III
	Accuracy	1.8 m CEP(95)
GPS RX Antenna	integrated Patch Antenna	