

# HANDHELD SATELLITE/GSM TRACKER: SHOUT gsm

## Key Features

- Low-cost
- Small form-factor
- Resistive touchscreen
- Free-text messaging
- Canned messaging
- More than 1600 reports
- PECOS format
- 10-byte / 30-byte formats
- AES-256 bit encryption
- USB interface
- Bluetooth
- Motion sensor
- Data logging

## Description

SHOUT gsm is a dual-mode messaging and tracking handheld device. It utilizes both Iridium and GSM networks to send location reports, two-way canned and free-text messages, and emergency notifications. It is designed with ultra-low power consumption drawing less than 35 $\mu$ A during sleep and can send over 1600 reports.



## SHOUT gsm Specifications

### Mechanical

Dimensions:	4.1" x 2.3" x 0.9" (104 mm x 58 mm x 23 mm)
Weight:	~7.8 ounces (221 g)
Data/Power Interface:	USB and Bluetooth
Display:	Resistive touchscreen (can be used with gloves)
Emergency Switch:	Guarded push-button
Enclosure:	Hard-anodized aluminum (EMI/EMC shielded)

### Electrical

Input Voltage Range:	2.7VDC to 5.5VDC (standard USB)
Battery:	1.95 A-Hr rechargeable Lithium-Ion
Sleep Mode:	< 35 $\mu$ A in between reports
Transmission Mode:	1.12mA-Hr per report

### RF Components

Iridium Transceiver:	Iridium 9603
GSM:	u-blox LEON
GPS Receiver:	u-blox MAX-6Q

### Environmental

Operating Temperature:	-22°F to +158°F (-30°C to +70°C)
Operating Humidity:	< 75% RH



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