Satellite Messenger 2X



SGM-G2

Even in areas without terrestrial network coverage, it provides reliable, real-time two-way satellite text communication or location tracking, enabling efficient emergency rescue and real-time data backhaul. It is a new type of portable two-way satellite communication device featuring “compact size, low cost, and long standby,” and can also be installed on the roofs of vehicles and fishing boats.

Satellite Messenger 2X

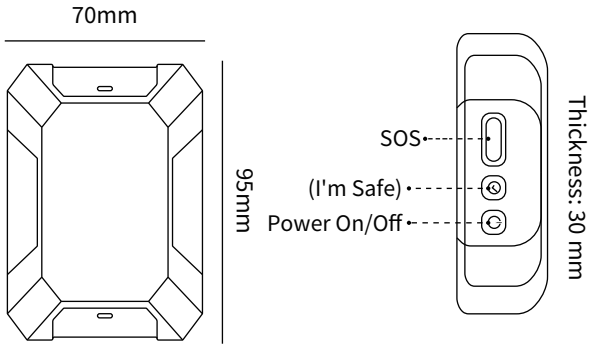
1. SGM-G2 Two-Way Data Satellite Terminal, based on a globally covered satellite communication system, provides two-way text communication services.
2. Built-in omnidirectional antenna enables fast network access without satellite alignment.
3. Three-proof design allows long-term operation in complex environments. Compatible with all mobile phones and supports location services. With its outstanding communication capabilities and convenience, it meets the diverse needs of various industries.

Key Scenarios:

Daily carry for employees of overseas institutions, business travelers, and light-duty field workers.

Three core capabilities:

1. Two-way satellite short messages + one-touch SOS: emergency help is globally reachable even without public network signals;
2. Precise positioning with global awareness; movements are traceable;
3. Bluetooth connection to a smartphone for expanded functionality, or standalone use—lightweight and portable.



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Through Bluetooth connection with a smartphone and in conjunction with the corresponding mobile app and SaaS platform, it enables core functions such as one-touch SOS, one-touch check-in, two-way messaging, location reporting, information reporting, and weather queries, providing global 24/7/365 two-way satellite communication services via satellite networks.



SpaceIoT

Product Features

Global Services

Providing all-weather satellite services to users worldwide (excluding the Arctic and Antarctic regions).

Rugged Protection

Military-grade design built for the outdoors: drop-resistant, shock-resistant, IP67 waterproof.

Long Standby

Low-power design delivers up to 72 hours of standby time, letting you go further.

One-Key SOS

One touch sends an SOS message and your location information to your designated emergency contacts.

Two-way communication

Supports low-latency two-way satellite communication services, and pairs with smartphones to synchronize and share data for off-grid communication.

Weather Query

When paired with a smartphone, you can check weather forecasts at any time and stay informed of weather changes along your route.

Multi-Satellite Positioning

With multi-frequency, multi-constellation technology and support for multiple global navigation satellite systems, location tracking is possible even in harsh environments.

Bluetooth Pairing

Compatible with all smartphones — simply pair via Bluetooth to instantly connect your phone to satellite.

App Compatibility

Supports multiple app stores, including Android and Apple, for convenient and secure download and use.

Performance Parameters

Performance Indicators	Detailed Specifications	Performance Indicators	Detailed Specifications
Product Dimensions	95 x 70 x 30 mm	**Bluetooth Version**	Bluetooth 5.0
Product Weight	180g	**Protection Rating**	IP67
Battery Capacity	1500mAh	**Drop Protection**	Withstands accidental drops from a height of 1 meter.
Battery Life	>72H	**Vibration Protection**	Vibration protection for vehicle operation.
Charging Interface	Type-C	**Operating Temperature**	-20°C~+55°C
Network Coverage	Global (excluding the Arctic and Antarctic regions)	**Storage Temperature**	-40°C~+70°C
Positioning Mode	BeiDou + GPS	**Business Functions**	Two-way communication
Supported Systems	Android/iOS/ Harmony OS	**Transmission Latency**	30s–60s / 256B (approximately 100 Chinese characters)

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