



Actual size

GISmore

GISmore receiver is based on our TRIUMPH Technology implemented in our TRIUMPH Chip. For the first time in the GNSS history we offer very powerful GIS field mapping receiver with up to 100 Hz RTK, 216 channels of single frequency GPS, Galileo and GLONASS in a small attractive, sturdy, and watertight box.

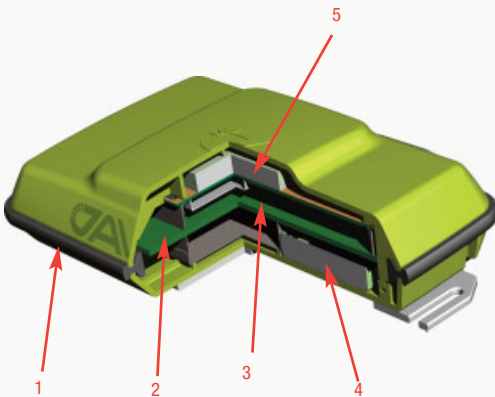
Using its internal Bluetooth and GSM/GPRS connection the receiver can access local GNSS Reference Station Network. As standard future the GISmore receiver provides access to the SBAS correction services. In addition to post-processed DGPS capabilities, the GISmore utilizes external correction services for real-time DGPS mapping and navigation applications.

Standard Configuration

- GISmore Receiver (0 MB)
- GPS L1
- GLONASS L1 (G3 only)
- RAIM
- Internal GNSS Antenna
- Internal GSM/GPRS Module
- Bluetooth® Interface
- Internal Bluetooth/GSM Antenna
- Internal Rechargeable Li-Ion Battery

Optional Feature

- Galileo E1
- Update Rate 1 Hz, 5Hz, 10Hz, 20Hz, 50Hz & 100Hz
- RTK Rate 1 Hz, 5Hz, 10Hz, 20Hz, 50Hz & 100Hz
- Data Recording up to 256 MB
- Multi-Base Code Differential Rover
- Code Differential Base
- Advanced Multipath Reduction
- KFK WAAS/EGNOS (SBAS)



1. Guard Bumper
2. Bluetooth/GSM Antenna
3. GNSS Receiver, Power Board with GSM/Bluetooth and on-board Memory
4. Rechargeable li-Ion Battery
5. Internal GNSS Antenna Connectors

Description

Total 216 channels: all-in-view (GPS L1/Galileo E1/GLONASS L1) integrated receiver, rugged plastic housing

Tracking Specification

Tracking Channels	GPS L1 Galileo E1
GISmore G2	GPS L1 Galileo E1 GLONASS L1
GISmore -G3	L1 C/A , Code & Carrier
Signals Tracked	

Performance Specifications

Autonomous	<2 m
Static, Fast Static Accuracy	Horizontal: 0.7 cm + 0.5 ppm * base_line_length Vertical: 1 cm + 0.5 ppm * base_line_length
Kinematic Accuracy	Horizontal: 1.5 cm + 1 ppm * base_line_length Vertical: 2 cm + 1.5 ppm * base_line_length
RTK (OTF) Accuracy	Horizontal: 1.5 cm + 1 ppm * base_line_length Vertical: 2 cm + 1.5 ppm * base_line_length
DGPS Accuracy	< 0.25 m Post Processing, < 0.5 m Real Time
Cold Start	<35 seconds
Warm Start	<5 seconds
Reacquisition	<1 second

Power Specification

Battery	Internal Li-Ion battery (3.7 V, 1.05 Ah) with internal charger
Operation Time	Up to 8 hours
Input Voltage	+4.5 to +6.5 volts

GNSS Antenna Specifications

GNSS Antenna	Internal
Antenna Type	Microstrip (Zero Centered)
Ground Plane	Antenna on a flat ground plane

Radio Specifications

GSM/GPRS Module	Internal GSM/GPRS quad-band module, GPRS Class 10
GSM/GPRS Antenna	Internal

I/O

Communication Port	Bluetooth V2.0+EDR Class 2 supporting SPP Slave and Master Profiles
External Power port	1 port
GSM Status Indicator	One LED

Memory & Recording

Internal Memory	Up to 256 MB of onboard non-removable memory for data storage
Raw Data Recording	Up to 100 times per second (100Hz)
Data Type	Code and Carrier from GPS L1/Galileo E1/GLONASS L1

Data Output

Real time data outputs	RTCM SC104 versions 2.x and 3.x Input/Output
ASCII Output	NMEA 0183 versions 2.x and 3.0 Output
Output Rate	Code and Carrier

Environmental Specifications

Enclosure	Plastic, waterproof
Operating Temperature	-30° C to +55° C
Dimensions	W: 79 mm x H: 33 mm x D: 131 mm
Weight	210 g

Specifications are subject to change without notice.

