Ground Control

RockBLOCK+

RockBLOCK+ has the 9602 short burst transceiver at its core, and offers the same transmitting and tracking features as the RockBLOCK 9602.

The main difference is the sturdy, waterproof enclosure making it ideal for projects in poor weather environments.

Key Features of the RockBLOCK+

Functionality
Waterproof casing with additional mounting options allow you to use the RockBLOCK + in many different environments.

Power Requirements
The RockBLOCK + runs on 12/24v DC power supply. The integrated sleepmode ensures battery life is conserved when not in transmission.

Compatibility
The RockBLOCK+ versatility continues with its compatibility with Arduino, Raspberry Pi, AWS or your own API system making it highly multi-functional.

Integration
Appearing as a serial interface, the RockBLOCK+ can be controlled by a simple set of AT commands, making it easy to integrate into your own software. Messages of up to 340 bytes can be delivered to your chosen email address or sent to your web service as a simple HTTP post. 270 byte messages can be sent to the RockBLOCK+ by way of a simple HTTP post to our web server.

Satellite Network
The RockBLOCK+ utilises the power of the Iridium satellite network. Iridium is the only satellite network that offers 24/7 transmission from any point on Earth including the polar regions.

Technical Specifications

Technical Data

Physical Properties

Dimensions	130mm diameter, 40mm high
Cable	3m moulded to unit
Weight	300 grams
Ideal Usage	External use

Environmental Properties

StorageTemperature	-40 to 85 °C
Operating Temperature	-40 to 85 °C
Operating Environment	< 75% Relative Humidity
Testing	RockBLOCK+ Unit – IP68. Sealed against dust and water ingression to immersion of 3m for 30 mins.

Power

Input Voltage	9-30v DC regulated
Power Consumption	max 450mA (100mA required)
Power I/O	Direct Header or FTDI/USB

Communications

Iridium Modem	9602 short burst transceiver
Iridium Antenna	1621Mhz tuned patch antenna

Mounting Options

Various mounting bracket options. The Rokk and Flat Steel mount are available to purchase via www.groundcontrol.com

Solutions

Ground Control offers you the complete solution to your data transfer needs.

We can provide full project solution packages to ensure that the RockBLOCK+ (or any other Ground Control solutions) work in the most effective way for your project and business needs.

Running Costs

With no annual contract the RockBLOCK+ is easy to just plug and play. Rolling monthly charges and credit 'bundles' offer you great value for money. For projects requiring multiple RockBLOCK'S there maybe more cost effective options using the Ground Control Cloudloop system to manage your units.

Your Ground Control Account Manager will be able to recommend the best solution.

About Ground Control

Ground Control uses satellite and cellular technology to connect people and things – and we specialise in connecting hard-to-reach people and things.

From wind farms to fishing fleets, first responders to forestry workers, whether you need to collect IoT data, track positions, access the internet, or make video calls, we've got you covered.