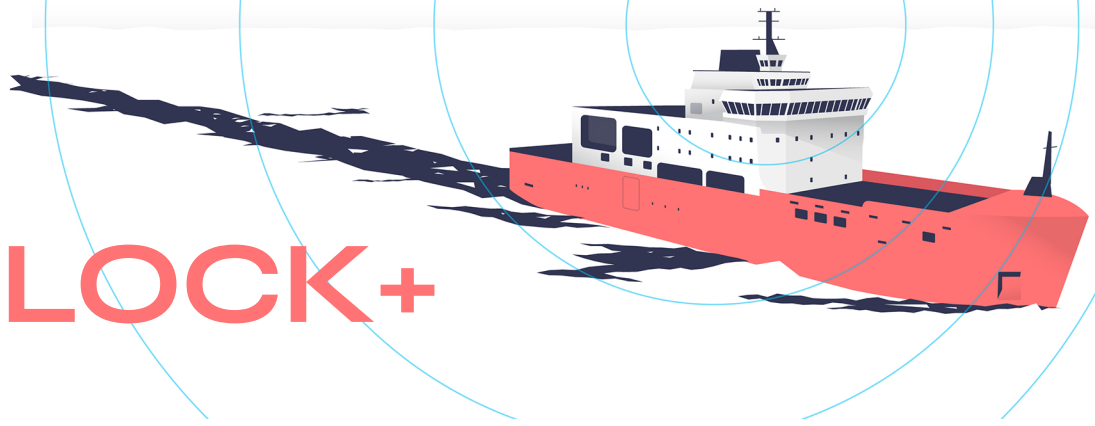**Production Information:**

RockBLOCK+

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

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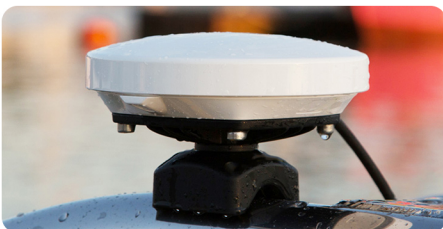
Integration
Appearing as a serial interface, the RockBLOCK can be controlled by a simple set of AT commands, making it easy to integrate into your own software. Messages of up to 340 bytes can be delivered to your chosen email address or sent to your web service as a simple HTTP post. 270 byte messages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

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 degrees C
Operating Temperature	-40 to 85 degrees 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 are not just here to sell a product but to offer you the solution to your data transfer needs. We can offer a full project solution package to ensure that the RockBLOCK (or other Ground Control product) works in the most effective way for your project.

Your Ground Control Account Manager can provide further details.

Running Costs

With no annual contract the RockBLOCK is easy to just plug and play. A rolling monthly charge and credit 'bundles' offer you great value for money. For projects requiring multiple RockBLOCKS 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 launched in 2021 and could be described at the new kid on the block.

However, Ground Control came about from the merger of 3 highly successful companies in the satellite communications arena.

Due to this Ground Control has over 40 years of expertise in satellite tracking, communicating and data management.