

RockFLEET Wiring Configuration

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The RockFLEET is designed to be attached to mains power for most of the time. However, the device also features an internal rechargeable battery that's used should external power be lost. Battery life depends on how the RockFLEET is configured (Report Frequency, GPS modes etc).

To attach the device to mains power, simply wire the positive and negative cores of the cable into your power supply. The device will run on any voltage between 8V and 32V. It will draw a maximum of about 700mA under normal operation.

If you intend to fuse the circuit we would suggest fitting a 2A fuse, which allows for extra power used by the GSM module (if you have that option installed).

Input Voltage	DC (8-32V)
Power consumption	700mA max at 12V, plus very low current sleep mode (<30mA)

There are two variations of the RockFLEET wiring configuration with different colours for Power and Ground/Earth.

New RockFLEET GSM (2019-onwards)

Wire colour	Purpose	Details
Red	Power	12/24V DC
Black	Neutral (Negative)	Ground/Earth
Blue	RS232	Do not use
Pink	RS232	Do not use
Yellow	Switch 0	Activating by taking to/or from ground
Green	Switch 1	Activated by taking to/or from ground
Grey	Switch 2	Activated by taking to/or from ground



Switches

- Power sources must have 2A circuit breakers.
- Switch and sensor inputs are not internally debounced. Input switches or sensors should be externally debounced and must switch between the open circuit and Signal Ground.

- A switch is activated on a change on the switch wire, this can be either going from Low (ground) to High or High to Low (ground).
- Installation must be performed by an appropriately licensed engineer with reference to the requirements of all applicable installation regulations, instructions and guidelines.

WARNING: NO VOLTAGE IS TO BE APPLIED TO SWITCH AND SENSOR INPUTS. APPLYING VOLTAGE TO SWITCH AND SENSOR INPUTS WILL RESULT IN DEVICE FAILURE AND VOID YOUR WARRANTY.

Old RockFLEET unit (2015-2018)

The RockFLEET unit is designed to be attached to mains power for most of the time, via cable. However, it does have an internal rechargeable battery for when the unit loses power.

To attach the unit to mains power, simply wire the positive (brown) and negative (white) cores of the cable into your power supply. The unit will run on any voltage between 9v and 32v. It will draw a maximum of about 700mA under normal operation.

If you intend to fuse the circuit Rock7 suggests fitting a 2A fuse.

Wire colour	Purpose	Details
Brown	Power	9 to 32v DC
White	Neutral (Negative)	Ground/Earth
Blue	RS232	Do not use
Pink	RS232	Do not use
Grey	Switch 2	Activating by taking to/or from ground
Green	Switch 1	Activated by taking to/or from ground
Yellow	Switch 0	Activated by taking to/or from ground
Black	Ground / Screen	Cable Shield



Note: The unconnected ground (Black) is a shielded cable - it is designed to only be connected inside the tracker, and is not exposed at the other end of the cable - connecting it to both ends would defeat the point of a shield, it is all correctly wired within the device.

If you have any further questions or require assistance, please don't hesitate to contact us via email at support@tracplus.com