

Rock7 Mobile RockFLEET Unit - 8 Wiring Configuration

The RockFLEET unit is designed to be attached to mains power for most of the time, via the 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 32 volts
White	Neutral (Negative)	Earth
Blue	RS232	Do not use
Pink	RS232	Do not use
Grey	Switch 2	Activated by taking to ground or from ground
Green	Switch 1	Activated by taking to ground or from ground
Yellow	Switch 0	Activated by taking to ground or from ground
Black	Ground / Screen	Cable Shield, see note below



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

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 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).
- **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.**
- Installation must be performed by an appropriately licensed engineer with reference to the requirements of all applicable installation regulations, instructions and guidelines.

- If mounted on an aircraft, power to all equipment should be provided from MAIN BUS, ACCESSORY POWER or AVIONICS MASTER as appropriate to operational requirements.

Should you have further questions, please do not hesitate to contact our support team on support@tracplus.com or call +64 (3) 477 8656.