



Portable USB Eurorack Power Supply

User Manual

The Rakit **GO!** will take care of your portable eurorack fix. Now you'll be able to take your modules everywhere. What's more, the **GO!** has a slew of protection features built in, protecting your **GO!** module, supply/powerbank and greatly reducing the chance of damage to modules through user error. The power supply has a robust and reversible USB C connector for the best possible USB connection. The **GO!** has been engineered from the ground up, making full use of 5V powerbanks/supplies that are widely available on the market. At only 2hp wide and 27mm deep, **GO!** is ready to fit in any case.

Protection Features

Supply/Powerbank protection - reverse voltage, overcurrent (fast eFuse)

GO! Input protection - reverse voltage, overvoltage, undervoltage, overcurrent (fast eFuse)

Module protection - all rails current limited and overvoltage protected, LEDs indicate bus health

What's included?

- **GO!** module
- 18W USB C Cable
- 16 way ribbon cable
- 2x M3 Screws
- Manual

Specifications

- 2hp wide x 27mm deep

Max current ratings:

- +12V @ 500mA
- -12V @ 300mA
- +5V - dependent on overall system draw (optionally disabled via jumper located on rear)
some voltage droop will occur at higher supply loads.

These ratings are achievable with a 5V 2.4A supply/powerbank

Module use and best practices

- ✓ The module should be used in conjunction with a passive bus (our **STICKY** 10 position passive bus board is a perfect companion)
- ✗ Never plug the module into a shared or powered bus board
- ✓ Always turn off the **GO!** before plugging in or removing modules
- ✓ Use the cables provided for best performance
- ✓ Use a power supply capable of at least 2.4A at 5V DC

Protection Mode (modules disconnected)

If the ! is lit, the module is in protection mode and power to the modules has been disconnected. All bus LEDs will be off in this mode. Protection mode happens for a few reasons:

Overcurrent - a power cycle is required to get out of protection mode. If the ! persists after a power cycle, the problem is still on the bus, the module will not power until the problem has been resolved.

Supply voltage (bad power supply/powerbank) try another 5V 2.4A source.

Reverse voltage (bad cable) use the supplied cable!

Bus Health

+12V LED is unlit - overloaded bus or reversed module, when reversed, the +12V is clamped to +5V.

-12V LED is unlit - overloaded bus or short to ground.

+5V is unlit - optional 5V output jumper is removed.

Limited Warranty

Rakit's **GO!** warranty covers the original owner with proof of purchase for up to 1 year. A warranty claim will only be valid in case of a manufacturing defect, any failure of the device due to misuse is not covered. All defective products will be repaired or replaced at the discretion of Rakit. Causes of failure that are determined by Rakit to not be a manufacturing defect are not covered by this warranty, units may instead be repaired with the consent of the owner (service rates apply). The buyer is to pay all shipping costs in case of a warranty claim and the product must be returned directly to Rakit. In case of a valid claim reasonable shipping costs will be reimbursed.

Please contact info@rakits.co.uk for RMA (return to manufacturer) authorisation, or for general technical enquiries.

Disclaimer

Rakit accepts no responsibility or liability for incorrectly installed power supplies or modules. Rakit accepts no responsibility for harm to a person or equipment through improper use of this product.

