1RK-SPDR-PWR
ONErack Spider Power Module

User Guide

MNL-1RK-SPDR-PWR-V1.00

In this Guide

Introduction

This ONErack Spider power module can be used as an additional output, or to swap out a faulty module.

In the box

The box should include: -

- 1x Power Module
- 2x Green 2-pin module power connectors
- This User Guide
- Safety, Compliance & Warranty Statement

> ❗ In the unlikely event that a component is missing or damaged, please contact tech.usa@tvone.com or tech.europe@tvone.com.

Using the ONErack Spider Power Module

This ONErack Power Module is suitable to be fitted to either the ONErack Spider Strip, or the Half 7.

The power module needs to be configured to the required voltage of your 3rd party equipment.
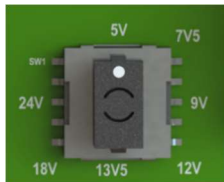
If you are replacing a faulty Module, you may not need to re-do the 'Prepare the Lead' section.

Power Modules

To set the correct voltage output [shipping default voltage = 5V] and connect your device to the output of the power module, you may need the following tools: -

Pozidriv® PZ1 crosshead screwdriver   Wire cutters
2mm flat head screwdriver   Wire strippers
Voltmeter

Setting the Output Voltage

1. Unscrew and remove the module or blanking plate from the ONErack Spider PSU using the Module Extractor (received with your original unit) as shown.
2. Turn the switch inside the module until the white dot points to the correct voltage for your device(s).
3. Insert the new Module into the ONErack Spider PSU and tighten screw. Using one of the Voltage stickers (received with your original unit), apply to the end of the screw that holds the Power Module in place.

Preparing the Lead

1. Cut the power lead for your device, with enough length to reach from your device, to the location of the ONErack Spider Unit.

2. Strip the insulation from the ends of the wires and identify which is positive and which is negative for your 3rd party equipment.

3. Insert the stripped ends into the power connector. Make sure that the polarity is correct, as shown, before you tighten the screws.

4. Insert the power connector into one of the outputs on the Power Module.

⚠ **Risk of damage to equipment**

- Before you cut any power leads, record the polarity and voltage for each one with a suitable meter.

- Before you connect any rewired DC power connector to any device, check that the polarity and voltage match what you recorded before you cut the power lead.

- Remove your device's power lead from the mains supply before you cut the cable.

- Cutting power leads should only be done by competent, qualified personnel – if in doubt, consult a qualified electrician.

Power Module Status LED

The Power Module has its own Green status LED, Normally on.
If it is off the load may have exceeded the 35W Max.

To reset the fuse without turning off the Main PSU

1. Remove the loads connected to this Power Module.
2. Unscrew and partly slide out the power module.
3. Wait for one minute, and then re-fully insert the Power Module.
4. Verify the green LED is lit on the module
5. Check the power needs of the load or loads attached, if 2 loads together exceed 35W then you will need to use separate Modules.

⚠ **Risk of damage to equipment**

- Each Power Module can only supply 35W Max. If your DC load exceeds this, you CANNOT power it with ONErack Spider Power Module.

Other Documents

More ONErack Spider documents are available for this and related Products: -

- ONErack Spider – Specification sheet
  Available on the tvONE website
  https://tvone.com/products/universal-rack-mounting-systems?format=raw&task=download&fid=732

- ONErack Spider - Mounting Options available:
  RM-601, RM-660, and the RM-661

Contact us

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