



Quick start guide: Electro-Resales 'Outrigger' 12 VDC Power distribution boards

The 'Outrigger' distribution boards comprise from 4 to 10 standard PowerPole connectors arranged inline on a small footprint PCB. The connectors are oriented in the so called ARES format. This format has been chosen as it represents the orientation most used by the Amateur radio community and hence provides the greatest level of compatibility.

In line with other products of this type the board connectors are symmetrical and any one of the connectors can be arranged to be the input voltage connector with the remaining connectors then being all outputs.

Each connector is protected by an ATC style blade fuse and the location and rating of the fuse can be changed to suit the user's needs. As supplied the fuses are a selection from 40 – 5 Amps with generally the leftmost or rightmost connector being fused with the highest rated fuse.

The blade fuses are easily changed and can be moved around the board to suit the end user's needs. The fuses are most easily removed by pulling straight up on the fuse body, rather than rocking the fuse body as this puts a strain on both the fuse blades and the fuse holder solder connection.

Whichever connector is deemed the input connector should be protected by the fuse with the highest Amperage rating up to a maximum of 40 Amps.

A LED is present on the 5 Position PCB (but not the 10 position Outrigger XL or the Outrigger + Boards) and this indicates the input polarity, glowing green when the input polarity is correct and red when it is reversed. No input polarity protection is provided, so take note of this LED after first connecting power and before connecting any additional items.

The Outrigger+ board has optional Banana sockets and a 2.1mm barrel jack connector, like the PowerPole connectors power can be applied or drawn from these connections, but please be aware that the barrel jack is rated to 5 Amps maximum so should not be used as the input connector for total loads across the board greater than 5 Amps.

Brief Specifications (not for Outrigger + or Outrigger XL)

1. PCB Size: 4 & 2/10" x 2 & 2/10" (L x D) (5 Position PCB)
2. Overall dimensions including acrylic plates: 5" x 2 & 2/10" x 1 & 1/10" (L x D x H)
3. Maximum rating of the board: 45 Amps
4. Voltage range: 9VDC – 28 VDC

