

Grid Swivel

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-	-
Black	White (grid shock pin 5)
White	Orange (grid shock pin 4)
Brown	Green (grid shock pin 3)
Green	Yellow (grid shock pin 2)
Red	Brown (grid shock pin 1)
Black	Black (shock GND)
Blue	Blue (arena LED -)
Red	Red (arena LED +)

Grid
 BLK — 5
 WHT — 4
 BRWN — 3
 GRN — 2
 RED — 1



Grid cable Swivel cable
 ARENA



There are 2 basic configurations of the Rotating Arena:

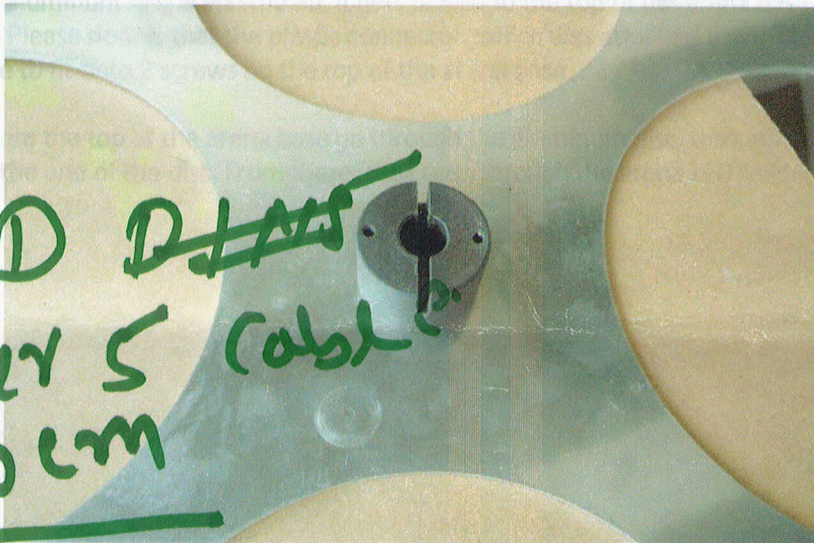
- Mouse setup
- Rat setup

Mouse setup uses shock grid for the shock delivery. Both poles of the Constant Current Source are connected to the Rotating Arena interface. From there, the current is passed to the Scrambler, which converts the 2 pole stimulus into 5 pole stimulus by switching the current into different pairs of outputs. The shock grid is organized in quintuplets of 5 rods, so first rod is connected to the sixth rod, second rod to the seventh, etc. This way the shock is distributed to the whole grid.

Rat setup uses circular stainless steel arena top as a shock ground and a cable running from the ceiling to the rat as a positive current pole. The positive pole is usually connected to the pin attached to the rat's back using low impedance electrode. During the shock, current passes through the low impedance electrode and the rat to the stainless steel arena top. In the rat setup, the Current Source output is connected to the Control Box. Its ground is distributed to the Arena Signal cable to the Rotating Arena and its positive pin is distributed to the CAFELED cable and the CAFELED board, where shocking cable gets connected.

Arena assembly

Step 1 The plastic connector gets connected to the aluminum ring using 2 screws.



→ GRID ~~DIA~~
Header 5 cable
70-80 cm

→ Shock Input: 70 cm (Red RCA male)

→ PWR Scrambler: 35 cm

→ Scramble o/p: 110 cm
DIM 5
DC PWR plug