

# Giga Rotator - Cheat Sheet

Channel	Function	Channel	Function
1	Position rough (16bit HI)	5	50-55% or 60-65% Enable motor else Disabled motor
2	Position fine (16bit LO)	6	Go clockwise when higher than 2%
3	Speed rough (16bit HI)	7	Go counter-clockwise when higher than 2%
4	Speed fine (16bit LO)		

**Important:** After every power up the rotator should rotate at least 1 revolution.  
Directions of rotation are defined when seen from the bottom.

<p><b>LED indicators:</b></p> <p><b>DMX LED</b> On: DMX connection is correct. Flash: DMX signal is missing.</p> <p><b>Error LED</b> Off: No errors on the rotator On: Error detected or rotator needs to be reenabled using channel 5</p>	<p><b>Emergency stop switch:</b></p> <p><b>Pin out</b> Pin 1 = GND Input Pin 2 = NC Pin 3 = NC Pin 4 = 12-15VDC Input</p> <p>If pin 1 and 4 of the emergency stop plug are not connected to an external power source the device will stop</p>	<p><b>Tech specs (Giga rotator):</b> Max speed 3.2 RPM Maximum load 1000 kg (2204 lbs.) Through connection Max power 230VAC, 16A Signal CAT5, EtherCON</p>
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# How to get started

1. Place / Rig the Giga Rotator. Ensure that it has free space to move and no wires will be caught.
2. Connect the Giga Rotator to 230VAC - **It turns on and the display shows the start-up message.**
3. Set the DMX start address to 1 and apply DMX from a lighting desk, preferably with manual faders.  
Make sure that the 7 channels are patched from DMX channel 1 to 7. Pull all channels on to 0%.
4. Set DMX channel 5 to 50-55% - **The motor is now enabled**
5. Set DMX channel 3 (speed HI) to 30% and channel 6 (Go clockwise) to 100% - **The Giga Rotator will move at 30% speed forwards. Let it run for a minimum of one revolutions to find its zero point.**
6. Set DMX channel 6 to 0% (Go clockwise) - **The giga rotator will go to its 0% position.**
7. The giga rotator can now be controlled with channel 1-2 (position/angle) and with desired speed (channel 3-4)  
Note that channel 5 should be kept within the enabled zone.  
If not the rotator will stop. When the rotator has been restarted channel 5 needs to be re-enabled.

If either channel 6 or 7 are set higher than 2%, at any point then the rotator will start spinning in that direction until they are set below 2% again. The speed at which they turn is set by the speed channels 3 and 4  
When channel 6 or 7 are set below 2% - The rotator will continue spinning in this direction until it reaches its wanted position set by channel 1 and 2.