

Rotator - Cheat Sheet

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| MODE functions: | |
| MODE 0, 4, 5, 6, 9 | No functions, the motor stops |
| MODE 1 | DMX controlled. Slow speed change (factory default) |
| MODE 2 | DMX controlled. Normal speed change |
| MODE 3 | DMX controlled. Fast speed change |
| MODE 7 | Manual CW (clockwise) when seeing into the shaft. No DMX needed (speed set with DMX switch 10 and 1) |
| MODE 8 | Manual CCW (counter clockwise) when seeing into the shaft. No DMX needed (speed set with DMX switch 10 and 1) |
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| DMX channels: | |
| DMX channel 1 | Position rough. (Hi of a 16 bit DMX channel). |
| DMX channel 2 | Position fine. (Lo of a 16 bit DMX channel). |
| DMX channel 3 | Max speed. |
| DMX channel 4 | Manual CW / Set CW end position (Position = 100%) |
| DMX channel 5 | Manual CCW / Set CCW end position (Position = 0%) |
| DMX channel 6 | Mode Control 0 - 79% Position mode 51 - 54% Position mode and enable position save 80 - 100% Angular mode |
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| LED States: | |
| DMX | Flashing: No DMX present |
| DMX | Solid on: DMX present. |
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| MODE | ON: Rotator has found the wanted position |
| MODE | OFF: Speed is set to 0% or mode switch set to unused mode |
| MODE | Fast flashing: Rotator moving to a new position |
| MODE | Medium flashing (0.25sec ON - ON): Manual running. Position save enabled |
| MODE | Slow flashing (1sec ON - ON): Manual running. Position save not enabled |
| MODE | Short ON long OFF. Error motor overloaded |

How to get started.

- 1: Mount the rotator to a truss.
- 2: Set the wanted DMX start address on the 100, 10, 1 switches.
- 3: Attach a lightboard with all channel set to 0%
- 4: Set mode switch to 1 (DMX mode with slow speed change).
- 5: Apply power to the Rotator.
DMX lamp should be flashing if no DMX is attached and be solid if DMX is attached.

Position mode.

- 1: Set channel 6 to 52% (Position mode and enable position save)
- 2: Set channel 4 to 30% (Set CW end position). The rotator will now turn slowly clock wise (CW)
- 3: When the wanted CW end position is found set channel 4 to 0%
- 4: Set channel 5 to 30% (Set CCW end position). The rotator will now turn slowly counter clock wise (CCW)
- 5: When the wanted CCW end position is found set channel 5 to 0%. Note max 18 rotations
- 6: Set channel 3 to 50% (Max speed)
- 7: Set channel 1 to 25% (Position). The rotator will now run CW to 25% of the distance between CCW end and CW end position (where CCW end position = 0% and CW end position = 100%. The speed will be 50%

Angle mode.

- 1: Set all channels to 0%
- 2: Set channel 6 to 100% (Angular mode)
- 3: Set channel 3 to 50% (Max speed)
- 4: Set channel 4 to 30% (Manual CW). Let the rotator run minimum one rotation (must be done once after power on to let the rotator find its absolute angular position)
- 5: Set channel 4 to 0%
- 6: Set channel 1 to 25% (Position). The rotator will now move until it reaches 90 degrees with 50% speed
- 7: Set channel 1 to 75%. The rotator will now move CW until it reaches 270 degrees with 50% speed

Note: It is possible to change between constant CW or CCW rotation and angular mode while the rotator is running. During change from constant CW CCW rotation the rotator will always continue in the same direction until the wanted angle is found.

When the rotator is in angular mode it will select the rotation direction that will give the shortest direction.