wahlberg
MOTION DESIGN

Jaegergaardsgade160
DK-8000 Aarhus C
Denmark
Wahlberg.dk

Cheat sheet - Winch 25/Winch50

Before use

When using the Winch, always have a counter weight placed on the wire (Minimum 1kg Winch25/5kg Winch 50)

When using the Winch, make sure you can see it, so you have visual confirmation on the movements.

The Winch uses 6 DMX channels. In order to make it easier to learn how to use it:
Patch out the 6 DMX channels to faders on your light desk.

DMX channels

DMX channel 1 – Position. (16 bit DMX channel)
DMX channel 2 – Position fine. (16 bit DMX channel)
DMX channel 3 – Maximum speed
DMX channel 4 – Motor Enable – between 50 % and 55 %, to enable the motor output.
DMX channel 5 – Reset UP (~3s delay)
DMX channel 6 – Manual DWN (Sets the TAC RANGE) (~3s delay)

Getting started

1. Hang up the winch, so there is space for the wire to move without hitting the floor.
2. Put counterweight on the wire loop, minimum 1kg.
3. Connect to 230VAC – The display is now showing the start-up message.
4. Connect emergency switch. - Make sure the error LED is no longer red.
5. Set DMX channel 4 between 50 % and 55 %
   Motor is now enabled.
6. Set DMX channel 5 to 30 %
   The winch now moves to its top position, set DMX channel 5 to 0 % when the winch has reached the top position.
7. Set DMX channel 6 to 30%
   The winch now moves to its bottom position, set DMX channel 6 to 0 % when the winch has reached the desired bottom position.
8. Set DMX channel 1 to 100 % and DMX channel 3 to 20 %
   The wire loop is now running to the top with 20 % speed.
9. Set DMX channel 1 to 90% and DMX channel 3 to 50 %
   The wire loop is now running 1m down with 50 % speed.

Emergency stop switch

The emergency stop switch is connected to the male 4 pin XLR connector.
Pin 1 and Pin 4 should be powered with 12-15 volt DC to enable the running of the motor.

Pin out:

Pin 1 = GND	Emergency stop input
Pin 2 = NC	
Pin 3 = NC	
Pin 4 = 12 – 15 volt DC	Emergency stop input

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