

## Tornado DMX Addresses

Start Adres	Dippswitch ( 0=OFF / 1=ON )					
	1	2	3	4	5	6
1	0	0	0	0	0	0
5	1	0	0	0	0	0
9	0	1	0	0	0	0
13	1	1	0	0	0	0
17	0	0	1	0	0	0
21	1	0	1	0	0	0
25	0	1	1	0	0	0
29	1	1	1	0	0	0
33	0	0	0	1	0	0
37	1	0	0	1	0	0
41	0	1	0	1	0	0
45	1	1	0	1	0	0
49	0	0	1	1	0	0
53	1	0	1	1	0	0
57	0	1	1	1	0	0
61	1	1	1	1	0	0
65	0	0	0	0	1	0
69	1	0	0	0	1	0
73	0	1	0	0	1	0
77	1	1	0	0	1	0
81	0	0	1	0	1	0
85	1	0	1	0	1	0
89	0	1	1	0	1	0
93	1	1	1	0	1	0
97	0	0	0	1	1	0
101	1	0	0	1	1	0
105	0	1	0	1	1	0
109	1	1	0	1	1	0
113	0	0	1	1	1	0
117	1	0	1	1	1	0
121	0	1	1	1	1	0
125	1	1	1	1	1	0

Start Adres	Dippswitch ( 0=OFF / 1=ON )					
	1	2	3	4	5	6
129	0	0	0	0	0	0
133	1	0	0	0	0	0
137	0	1	0	0	0	1
141	1	1	0	0	0	0
145	0	0	1	0	0	1
149	1	0	1	0	0	1
153	0	1	1	0	0	1
157	1	1	1	0	0	1
161	0	0	0	1	0	1
165	1	0	0	1	0	1
169	0	1	0	1	0	1
173	1	1	0	1	0	1
177	0	0	1	1	0	1
181	1	0	1	1	0	1
185	0	1	1	1	0	1
189	1	1	1	1	0	1
193	0	0	0	0	1	1
197	1	0	0	0	1	1
201	0	1	0	0	1	1
205	1	1	0	0	1	1
209	0	0	1	0	1	1
213	1	0	1	0	1	1
217	0	1	1	0	1	1
221	1	1	1	0	1	1
225	0	0	0	1	1	1
229	1	0	0	1	1	1
233	0	1	0	1	1	1
237	1	1	0	1	1	1
241	0	0	1	1	1	1
245	1	0	1	1	1	1
249	0	1	1	1	1	1
253	1	1	1	1	1	1

The Tornado has 10 Dipp switches.

The first 6 Dipp switches can be used to address the scanner conform the DMX protocol (see table above).

If dipp switch 7 is "ON", the PAN-movement of the mirror will be reset.

If dipp switch 8 is "ON", the TILT-movement of the mirror will be reset.

If dipp switch 9 and 10 are "ON", the Tornado will perform a selftest.

It is not necessary to connect a controller to perform this last test.

With use of a Botex DMX Operator (wich uses 16 DMX Adresses) the Tornado scanner is setup as in next table :

Scanner 1: Startadr. 1	Scann. 4: Adres 49	Scann. 7: Startadr. 97	Scann. 10: Adr. 145
Scann. 2: Adres 17	Scann. 5: Adres 65	Scann. 8: Startadr. 113	Scann. 11: Adr. 161
Scann. 3: Adres 33	Scann. 6: Adres 81	Scann. 9: Startadr. 129	Scann. 12: Adr. 177

# User's Manual TORNADO



The TORNADO is for indoor use only.

The Tornado has to be used in well ventilated rooms. When you are using the Tornado for the first time, it might be possible that there will be some smell and some smoke. This is normal, It's only the burning in of the paint in the interior of the Tornado's housing.

Mind that the lamp can reach a temperature of 200°celsius.

Before you open the housing, or before you replace a lamp, ALWAYS disconnect the powercord first, and wait till the lamp has cooled down. Then you can remove 6 housing screws.

Do not touch the lamp with your bare fingers. Don't place or mount any flammable materials in the direct neighbourhood of the Tornado.

Avoid long direct contact with the lightbeams.

## Technical specs :

Power supply	230 Volt AC
Power consumption	280 Watt
Lamp	EHJ 24 Volt 250 Watt
Controll	DMX-512 4 channels (PAN-TILT-colours-Gobos)
Number of colours	7 colors and white
Number of Gobos	5 Gobos and Strobe
PAN movement	175°
TILT movement	80°
Fuse	Thermal automatic
Dimmensions	526mm x 240mm x 225mm