Showtec

Titan Matrix FX



Manufacturer	**Showtec**
Type	**Effect light**
DMX modes	**5**
DMX footprint	**4, 18, 24, 42, 202 channels**
Beam angle	**9.63°**
Heads / cells	**8**
Size (W × H × D)	**312 × 124 × 48 mm**
GDTF fixture type	**FA7A7BD3-00FC-11F1-B388-42…**

Controls

Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Built-in effect programmes

DMX modes

RGBW 192Ch	4 ch
Basic 18Ch	18 ch
FX 24Ch	24 ch
Sectional 42Ch	42 ch
Pixel 202Ch	202 ch

RGBW 192Ch

4 channels

Ch	Function	Default	DMX values
1	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
2	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
3	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
4	White	0	0–0 Min 1–254 Min > Max 255–255 Max

Basic 18Ch

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max
4	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F
5	Control1	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
6	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
9	White	0	0–0 Min 1–254 Min > Max 255–255 Max
10	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
11	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max
12	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F

Basic 18Ch (continued)

Ch	Function	Default	DMX values
13	Control2	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
14	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
17	White	0	0–0 Min 1–254 Min > Max 255–255 Max
18	Dimmer Curve	0	0–17 No Function 18–34 Dimmer Curve Linear 35–51 Dimmer Curve Square Law 52–68 Dimmer Curve Inverted Square 69–255 Dimmer Curve S-Curve

FX 24Ch

24 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max
4	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F
5	Control1	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
6	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
9	White	0	0–0 Min 1–254 Min > Max 255–255 Max

FX 24Ch (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–4 No Function 5–17 White (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Green (wheel slot 3) 44–56 Blue (wheel slot 4) 57–69 Yellow (wheel slot 5) 70–82 Magenta (wheel slot 6) 83–95 Cyan (wheel slot 7) 96–108 Pink (wheel slot 8) 109–121 Light Pink (wheel slot 9) 122–134 Light Blue (wheel slot 10) 135–147 Turquoise (wheel slot 11) 148–160 Light Green (wheel slot 12) 161–173 Dark Yellow (wheel slot 13) 174–186 Light Orange (wheel slot 14) 187–199 Light Red (wheel slot 15) 200–212 CTO (wheel slot 16) 213–225 CTB (wheel slot 17) 226–255 Black (wheel slot 18)
11	Effect	0	0–15 No Function 16–21 Pattern 1 22–27 Pattern 2 28–33 Pattern 3 34–39 Pattern 4 40–45 Pattern 5 46–51 Pattern 6 52–57 Pattern 7 58–63 Pattern 8 64–69 Pattern 9 70–75 Pattern 10 76–81 Pattern 11 82–87 Pattern 12 88–93 Pattern 13 94–99 Pattern 14 100–105 Pattern 15 106–111 Pattern 16 112–117 Pattern 17 118–123 Pattern 18 124–129 Pattern 19 130–135 Pattern 20 136–141 Pattern 21 142–147 Pattern 22 148–153 Pattern 23 154–159 Pattern 24 160–165 Pattern 25 166–171 Pattern 26 172–177 Pattern 27 178–183 Pattern 28 184–189 Pattern 29 190–195 Pattern 30 196–201 Pattern 31 202–207 Pattern 32 208–213 Pattern 33 214–219 Pattern 34 220–225 Pattern 35 226–231 Pattern 36 232–237 Pattern 37 238–243 Pattern 38 244–249 Pattern 39 250–255 Pattern 40

FX 24Ch (continued)

Ch	Function	Default	DMX values
12	Effects1Pos Rotate	0	0–49 Indexing 50–129 F > S - Rotate CW 130–205 S > F - Rotate CCW 206–255 Bouncing S > F
13	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
14	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max
15	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F
16	Control2	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
17	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
18	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
19	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
20	White	0	0–0 Min 1–254 Min > Max 255–255 Max
21	Color Wheel 2	0	0–4 No Function 5–17 White (wheel slot 1) 18–30 Red (wheel slot 2) 31–43 Green (wheel slot 3) 44–56 Blue (wheel slot 4) 57–69 Yellow (wheel slot 5) 70–82 Magenta (wheel slot 6) 83–95 Cyan (wheel slot 7) 96–108 Pink (wheel slot 8) 109–121 Light Pink (wheel slot 9) 122–134 Light Blue (wheel slot 10) 135–147 Turquoise (wheel slot 11) 148–160 Light Green (wheel slot 12) 161–173 Dark Yellow (wheel slot 13) 174–186 Light Orange (wheel slot 14) 187–199 Light Red (wheel slot 15) 200–212 CTO (wheel slot 16) 213–225 CTB (wheel slot 17) 226–255 Black (wheel slot 18)

FX 24Ch (continued)

Ch	Function	Default	DMX values
22	Effect 2	0	0–15 No Function 16–21 Pattern 1 22–27 Pattern 2 28–33 Pattern 3 34–39 Pattern 4 40–45 Pattern 5 46–51 Pattern 6 52–57 Pattern 7 58–63 Pattern 8 64–69 Pattern 9 70–75 Pattern 10 76–81 Pattern 11 82–87 Pattern 12 88–93 Pattern 13 94–99 Pattern 14 100–105 Pattern 15 106–111 Pattern 16 112–117 Pattern 17 118–123 Pattern 18 124–129 Pattern 19 130–135 Pattern 20 136–141 Pattern 21 142–147 Pattern 22 148–153 Pattern 23 154–159 Pattern 24 160–165 Pattern 25 166–171 Pattern 26 172–177 Pattern 27 178–183 Pattern 28 184–189 Pattern 29 190–195 Pattern 30 196–201 Pattern 31 202–207 Pattern 32 208–213 Pattern 33 214–219 Pattern 34 220–225 Pattern 35 226–231 Pattern 36 232–237 Pattern 37 238–243 Pattern 38 244–249 Pattern 39 250–255 Pattern 40
23	Effects2Pos Rotate	0	0–49 Indexing 50–125 F > S - Rotate CW 126–129 Stop 130–205 S > F - Rotate CCW 206–255 Bouncing S > F
24	Dimmer Curve	0	0–17 No Function 18–34 Dimmer Curve Linear 35–51 Dimmer Curve Square Law 52–68 Dimmer Curve Inverted Square 69–255 Dimmer Curve S-Curve

Sectional 42Ch

42 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max

Sectional 42Ch (continued)

Ch	Function	Default	DMX values
4	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F
5	Control1	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
6	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
9	White	0	0–0 Min 1–254 Min > Max 255–255 Max
10	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
13	White	0	0–0 Min 1–254 Min > Max 255–255 Max
14	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
17	White	0	0–0 Min 1–254 Min > Max 255–255 Max
18	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
19	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
20	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max

Sectional 42Ch (continued)

Ch	Function	Default	DMX values
21	White	0	0–0 Min 1–254 Min > Max 255–255 Max
22	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
23	Strobe Duration	0	0–0 Min 1–254 Min > Max 255–255 Max
24	Shutter / Strobe	0	0–4 Open 5–255 Strobe S > F
25	Control2	0	0–5 Linear Strobe 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up-Down 129–150 Random Strobe 151–171 Random Sectional Strobe 172–214 Lighting Strobe 215–255 Spike Strobe
26	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
27	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
28	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
29	White	0	0–0 Min 1–254 Min > Max 255–255 Max
30	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
31	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
32	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
33	White	0	0–0 Min 1–254 Min > Max 255–255 Max
34	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
35	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
36	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
37	White	0	0–0 Min 1–254 Min > Max 255–255 Max

Sectional 42Ch (continued)

Ch	Function	Default	DMX values
38	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
39	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
40	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
41	White	0	0–0 Min 1–254 Min > Max 255–255 Max
42	Dimmer Curve	0	0–17 No Function 18–34 Dimmer Curve Linear 35–51 Dimmer Curve Square Law 52–68 Dimmer Curve Inverted Square 69–255 Dimmer Curve S-Curve

Pixel 202Ch

202 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	0	
4	Shutter / Strobe	0	0–4 Open 5–255 Strobe
5	Control1	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	

Pixel 202Ch (continued)

Ch	Function	Default	DMX values
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	

Pixel 202Ch (continued)

Ch	Function	Default	DMX values
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Reserved 85	0	
86	Reserved 86	0	
87	Reserved 87	0	
88	Reserved 88	0	
89	Reserved 89	0	
90	Reserved 90	0	
91	Reserved 91	0	
92	Reserved 92	0	
93	Reserved 93	0	
94	Reserved 94	0	
95	Reserved 95	0	
96	Reserved 96	0	
97	Reserved 97	0	
98	Reserved 98	0	
99	Reserved 99	0	
100	Reserved 100	0	
101	Reserved 101	0	
102	Dimmer	0	
103	Strobe Duration	0	
104	Shutter / Strobe	0	0–4 Open 5–255 Strobe
105	Control2	0	
106	Reserved 106	0	
107	Reserved 107	0	
108	Reserved 108	0	
109	Reserved 109	0	
110	Reserved 110	0	
111	Reserved 111	0	
112	Reserved 112	0	
113	Reserved 113	0	
114	Reserved 114	0	
115	Reserved 115	0	
116	Reserved 116	0	

Pixel 202Ch (continued)

Ch	Function	Default	DMX values
117	Reserved 117	0	
118	Reserved 118	0	
119	Reserved 119	0	
120	Reserved 120	0	
121	Reserved 121	0	
122	Reserved 122	0	
123	Reserved 123	0	
124	Reserved 124	0	
125	Reserved 125	0	
126	Reserved 126	0	
127	Reserved 127	0	
128	Reserved 128	0	
129	Reserved 129	0	
130	Reserved 130	0	
131	Reserved 131	0	
132	Reserved 132	0	
133	Reserved 133	0	
134	Reserved 134	0	
135	Reserved 135	0	
136	Reserved 136	0	
137	Reserved 137	0	
138	Reserved 138	0	
139	Reserved 139	0	
140	Reserved 140	0	
141	Reserved 141	0	
142	Reserved 142	0	
143	Reserved 143	0	
144	Reserved 144	0	
145	Reserved 145	0	
146	Reserved 146	0	
147	Reserved 147	0	
148	Reserved 148	0	
149	Reserved 149	0	
150	Reserved 150	0	
151	Reserved 151	0	
152	Reserved 152	0	
153	Reserved 153	0	
154	Reserved 154	0	
155	Reserved 155	0	
156	Reserved 156	0	
157	Reserved 157	0	
158	Reserved 158	0	
159	Reserved 159	0	
160	Reserved 160	0	
161	Reserved 161	0	

Pixel 202Ch (continued)

Ch	Function	Default	DMX values
162	Reserved 162	0	
163	Reserved 163	0	
164	Reserved 164	0	
165	Reserved 165	0	
166	Reserved 166	0	
167	Reserved 167	0	
168	Reserved 168	0	
169	Reserved 169	0	
170	Reserved 170	0	
171	Reserved 171	0	
172	Reserved 172	0	
173	Reserved 173	0	
174	Reserved 174	0	
175	Reserved 175	0	
176	Reserved 176	0	
177	Reserved 177	0	
178	Reserved 178	0	
179	Reserved 179	0	
180	Reserved 180	0	
181	Reserved 181	0	
182	Reserved 182	0	
183	Reserved 183	0	
184	Reserved 184	0	
185	Reserved 185	0	
186	Reserved 186	0	
187	Reserved 187	0	
188	Reserved 188	0	
189	Reserved 189	0	
190	Reserved 190	0	
191	Reserved 191	0	
192	Reserved 192	0	
193	Reserved 193	0	
194	Reserved 194	0	
195	Reserved 195	0	
196	Reserved 196	0	
197	Reserved 197	0	
198	Reserved 198	0	
199	Reserved 199	0	
200	Reserved 200	0	
201	Reserved 201	0	
202	Dimmer Curve	0	