Expolite

Tour-Cyc 540 RGBW



Manufacturer	**Expolite**
Type	**Strobe**
DMX modes	**7**
DMX footprint	**2, 3, 4, 13, 16, 29 channels**
Beam angle	**25-45°**
Heads / cells	**5**
Size (W × H × D)	**481 × 298 × 230 mm**
GDTF fixture type	**0146971E-B1BF-4611-99AD-86…**

Controls

Extra LED colours · RGB colour mixing · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Built-in effect programmes

DMX modes

2Ch Mode	2 ch
3Ch1 Mode	3 ch
3Ch2 Mode	3 ch
4Ch Mode	4 ch
13Ch Mode	13 ch
16Ch Mode	16 ch
29Ch Mode	29 ch

2Ch Mode

2 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Color Wheel	0	0–5 Open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Lavender (wheel slot 9) 70–77 Mauve (wheel slot 10) 78–85 Magenta (wheel slot 11) 86–93 Pink (wheel slot 12) 94–101 Warm White (wheel slot 13) 102–109 White (wheel slot 14) 110–117 Cool White (wheel slot 15) 118–125 Color Jumping Stop (wheel slot 16) 126–127 Color Jumping Stop (wheel slot 17) 128–157 Color Jumping slow (wheel slot 18) 158–188 Color Jumping medium (wheel slot 19) 189–191 Color Jumping fast (wheel slot 20) 192–221 Color Fading slow (wheel slot 21) 222–252 Color Fading medium (wheel slot 22) 253–255 Color Fading fast (wheel slot 23)

3Ch1 Mode

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Shutter / Strobe	0	0–5 Shutter Open (1) 6–10 Shutter Close 11–123 Strobe · slow (1Hz) 1–9.9 Hz 124–247 Strobe · mid (10Hz) 9.98–19.8 Hz 248–250 Strobe · fast (20Hz) 19.8–20 Hz 251–255 Shutter Open (2)

3Ch1 Mode (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–5 Open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Lavender (wheel slot 9) 70–77 Mauve (wheel slot 10) 78–85 Magenta (wheel slot 11) 86–93 Pink (wheel slot 12) 94–101 Warm White (wheel slot 13) 102–109 White (wheel slot 14) 110–117 Cool White (wheel slot 15) 118–125 Color Jumping Stop (wheel slot 16) 126–127 Color Jumping Stop (wheel slot 17) 128–157 Color Jumping slow (wheel slot 18) 158–188 Color Jumping medium (wheel slot 19) 189–191 Color Jumping fast (wheel slot 20) 192–221 Color Fading slow (wheel slot 21) 222–252 Color Fading medium (wheel slot 22) 253–255 Color Fading fast (wheel slot 23)

3Ch2 Mode

3 channels

Ch	Function	Default	DMX values
1	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
2	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
3	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue

4Ch Mode

4 channels

Ch	Function	Default	DMX values
1	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
2	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green

4Ch Mode (continued)

Ch	Function	Default	DMX values
3	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
4	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White

13Ch Mode

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Shutter / Strobe	0	0–5 Shutter Open (1) 6–10 Shutter Close 11–123 Strobe · slow (1Hz) 1–9.9 Hz 124–247 Strobe · mid (10Hz) 9.98–19.8 Hz 248–250 Strobe · fast (20Hz) 19.8–20 Hz 251–255 Shutter Open (2)
3	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
4	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
5	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
6	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White

13Ch Mode (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–5 Open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Lavender (wheel slot 9) 70–77 Mauve (wheel slot 10) 78–85 Magenta (wheel slot 11) 86–93 Pink (wheel slot 12) 94–101 Warm White (wheel slot 13) 102–109 White (wheel slot 14) 110–117 Cool White (wheel slot 15) 118–125 Color Jumping Stop (wheel slot 16) 126–127 Color Jumping Stop (wheel slot 17) 128–157 Color Jumping slow (wheel slot 18) 158–188 Color Jumping medium (wheel slot 19) 189–191 Color Jumping fast (wheel slot 20) 192–221 Color Fading slow (wheel slot 21) 222–252 Color Fading medium (wheel slot 22) 253–255 Color Fading fast (wheel slot 23)
8	Color Effects1	0	0–6 Rainbow OFF 7–21 Rainbow 1 22–37 Rainbow 2 38–53 Rainbow 3 54–69 Rainbow 4 70–85 Rainbow 5 86–101 Rainbow 6 102–117 Rainbow 7 118–133 Rainbow 8 134–149 Rainbow 9 150–165 Rainbow 10 166–181 Rainbow 11 182–197 Rainbow 12 198–213 Rainbow 13 214–229 Rainbow 14 230–255 Rainbow 15
9	Color Macro1	0	0–5 No Function 6–30 Auto Program 1 31–55 Auto Program 2 56–80 Auto Program 3 81–105 Auto Program 4 106–130 Auto Program 5 131–155 Auto Program 6 156–180 Auto Program 7 181–205 Auto Program 8 206–230 Auto Program 9 231–255 Auto Program 10
10	Color Macro1Rate	0	0–126 Program Speed slow 127–252 Program Speed medium 253–255 Program Speed fast
11	Color Control	0	0–126 Program Fade short 127–252 Program Fade medium 253–255 Program Fade fast
12	Dimmer Curve	0	0–5 No Function 6–63 Linear Dimmer Curve 64–127 Exponential Dimmer Curve 128–191 Logarithmic Dimmer Curve 192–255 S-Curve Dimmer Curve

13Ch Mode (continued)

Ch	Function	Default	DMX values
13	Control1	0	0–5 No Function 6–63 Dimmer Response LED (Hold 3s) 64–127 Dimmer Response Halogen (Hold 5s) 128–191 Fan High (Hold 3s) 192–255 Fan Auto (Hold 3s)

16Ch Mode

16 channels

Ch	Function	Default	DMX values
1	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
2	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
3	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
4	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White
5	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
6	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
7	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
8	White	0	0–24 0% White 25–49 25% White 50–74 50% White 75–99 75% White 100–255 100% White
9	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red

16Ch Mode (continued)

Ch	Function	Default	DMX values
10	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
11	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
12	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White
13	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
14	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
15	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
16	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White

29Ch Mode

29 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Shutter / Strobe	0	0–5 Shutter Open (1) 6–10 Shutter Close 11–123 Strobe · slow (1Hz) 1–9.9 Hz 124–247 Strobe · mid (10Hz) 9.98–19.8 Hz 248–250 Strobe · fast (20Hz) 19.8–20 Hz 251–255 Shutter Open (2)

29Ch Mode (continued)

Ch	Function	Default	DMX values
3	Red	0	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
4	Green	0	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
5	Blue	0	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
6	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White
7	Color Wheel	0	0–5 Open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Amber (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Lavender (wheel slot 9) 70–77 Mauve (wheel slot 10) 78–85 Magenta (wheel slot 11) 86–93 Pink (wheel slot 12) 94–101 Warm White (wheel slot 13) 102–109 White (wheel slot 14) 110–117 Cool White (wheel slot 15) 118–125 Color Jumping Stop (wheel slot 16) 126–127 Color Jumping Stop (wheel slot 17) 128–157 Color Jumping slow (wheel slot 18) 158–188 Color Jumping medium (wheel slot 19) 189–191 Color Jumping fast (wheel slot 20) 192–221 Color Fading slow (wheel slot 21) 222–252 Color Fading medium (wheel slot 22) 253–255 Color Fading fast (wheel slot 23)
8	Color Effects1	0	0–6 Rainbow OFF 7–21 Rainbow 1 22–37 Rainbow 2 38–53 Rainbow 3 54–69 Rainbow 4 70–85 Rainbow 5 86–101 Rainbow 6 102–117 Rainbow 7 118–133 Rainbow 8 134–149 Rainbow 9 150–165 Rainbow 10 166–181 Rainbow 11 182–197 Rainbow 12 198–213 Rainbow 13 214–229 Rainbow 14 230–255 Rainbow 15

29Ch Mode (continued)

Ch	Function	Default	DMX values
9	Color Macro1	0	0–5 No Function 6–30 Auto Program 1 31–55 Auto Program 2 56–80 Auto Program 3 81–105 Auto Program 4 106–130 Auto Program 5 131–155 Auto Program 6 156–180 Auto Program 7 181–205 Auto Program 8 206–230 Auto Program 9 231–255 Auto Program 10
10	Color Macro1Rate	0	0–126 Program Speed slow 127–252 Program Speed medium 253–255 Program Speed fast
11	Color Control	0	0–126 Program Fade short 127–252 Program Fade medium 253–255 Program Fade fast
12	Dimmer Curve	0	0–5 No Function 6–63 Linear Dimmer Curve 64–127 Exponential Dimmer Curve 128–191 Logarithmic Dimmer Curve 192–255 S-Curve Dimmer Curve
13	Control1	0	0–5 No Function 6–63 Dimmer Response LED (Hold 3s) 64–127 Dimmer Response Halogen (Hold 5s) 128–191 Fan High (Hold 3s) 192–255 Fan Auto (Hold 3s)
14	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
15	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
16	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
17	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White
18	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
19	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green

29Ch Mode (continued)

Ch	Function	Default	DMX values
20	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
21	White	0	0–24 0% White 25–49 25% White 50–74 50% White 75–99 75% White 100–255 100% White
22	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
23	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
24	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
25	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White
26	Red	255	0–62 0% Red 63–126 25% Red 127–190 50% Red 191–254 75% Red 255–255 100% Red
27	Green	255	0–62 0% Green 63–126 25% Green 127–190 50% Green 191–254 75% Green 255–255 100% Green
28	Blue	255	0–62 0% Blue 63–126 25% Blue 127–190 50% Blue 191–254 75% Blue 255–255 100% Blue
29	White	0	0–62 0% White 63–126 25% White 127–190 50% White 191–254 75% White 255–255 100% White