Expolite

Dragon CMY 350



Manufacturer	**Expolite**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**25, 36 channels**
Beam angle	**3-48°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**838F9B0F-45B8-45B1-BBCC-72…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

25CH	25 ch
36CH	36 ch

25CH

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	1–254 Max Speed 255–255 Min Speed
6	Shutter / Strobe	16	0–21 Empty Channel Set 22–73 Strobe Min 74–125 Strobe Medium 126–126 Strobe Max 128–137 Open 138–168 Pulse Slow 169–200 Pulse Medium 201–201 Pulse Fast 202–212 Open 213–227 Rnd Strobe Min 228–243 Rnd Strobe Medium 244–244 Rnd Strobe Max 246–255 Empty Channel Set
7	Dimmer	0	0–254 Closed 255–255 Open
8	Zoom	128	0–127 Small 128–254 Normal 255–255 Wide
9	Focus	128	0–127 Near 128–254 Normal 255–255 Far
10	Dummy	0	
11	Dummy Fine	0	Fine byte of Dummy
12	Color Wheel	0	0–25 OPEN (wheel slot 1) 26–37 RED (wheel slot 2) 38–49 CTO 3000 K (wheel slot 3) 50–61 YELLOW (wheel slot 4) 62–73 GREEN (wheel slot 5) 74–85 ORANGE (wheel slot 6) 86–97 LIGHT BLUE (wheel slot 7) 98–109 MAGENTA (wheel slot 8) 110–121 DEEP BLUE (wheel slot 9) 122–127 OPEN (wheel slot 1) 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	0–254 CTO Min 255–255 CTO Max

25CH (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–7 OPEN (wheel slot 1) 8–20 GOBO 1 (wheel slot 2) 21–33 GOBO 2 (wheel slot 3) 34–46 GOBO 3 (wheel slot 4) 47–59 GOBO 4 (wheel slot 5) 60–72 GOBO 5 (wheel slot 6) 73–85 GOBO 6 (wheel slot 7) 86–98 GOBO 7 (wheel slot 8) 99–111 GOBO 1 S>F (wheel slot 2) 112–124 GOBO 2 S>F (wheel slot 3) 125–137 GOBO 3 S>F (wheel slot 4) 138–150 GOBO 4 S>F (wheel slot 5) 151–163 GOBO 5 S>F (wheel slot 6) 164–176 GOBO 6 S>F (wheel slot 7) 177–189 GOBO 7 S>F (wheel slot 8) 191–205 >>> 206–220 >> 221–221 > 222–223 Stop 224–239 < 240–249 << 250–255 <<<
18	Gobo Rotation	0	0–127 Gobo1 Pos Index 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
19	Gobo 2	0	0–9 Open (wheel slot 1) 10–17 BEAMREDUCER 1 (wheel slot 2) 18–25 BEAMREDUCER 2 (wheel slot 3) 26–33 GOBO 1 (wheel slot 4) 34–41 GOBO 2 (wheel slot 5) 42–49 GOBO 3 (wheel slot 6) 50–57 GOBO 4 (wheel slot 7) 58–65 GOBO 5 (wheel slot 8) 66–73 GOBO 6 (wheel slot 9) 74–81 GOBO 7 (wheel slot 10) 82–89 GOBO 8 (wheel slot 11) 90–99 BEAMREDUCER 1 S>F (wheel slot 2) 100–109 BEAMREDUCER 2 S>F (wheel slot 3) 110–119 GOBO 1 S>F (wheel slot 4) 120–129 GOBO 2 S>F (wheel slot 5) 130–139 GOBO 3 S>F (wheel slot 6) 140–149 GOBO 4 S>F (wheel slot 7) 150–159 GOBO 5 S>F (wheel slot 8) 160–169 GOBO 6 S>F (wheel slot 9) 170–179 GOBO 7 S>F (wheel slot 10) 180–189 GOBO 8 S>F (wheel slot 11) 190–204 >>> 205–220 >> 221–221 > 222–223 Stop 224–238 < 239–254 << 255–255 <<<
20	Prism	0	0–127 No Prisma (wheel slot 1) 128–255 5-facet-circular prisma (wheel slot 2)

25CH (continued)

Ch	Function	Default	DMX values
21	Prism Rotation	0	0–127 Prisma 1 Pos Index 128–157 >>> 158–187 >> 188–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
22	Prism	0	0–127 Open (wheel slot 1) 128–255 6-Facet-Linear (wheel slot 2)
23	Prism Rotation	0	0–127 Prisma 2 Pos Index 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
24	Frost1	0	0–254 Open 255–255 Frost
25	Control1	0	0–9 unused 10–19 Display Off 20–29 Display On 30–36 Display Invert Off 37–43 Display Invert On 44–49 Display Invert Auto 50–59 Auto fan control mode 60–69 High fan control mode 70–79 Silent fan control mode 80–82 Dim Square Law 83–85 Dim Inv SQ Law 86–88 Dim Linear 89–91 Dim S Curve 92–94 800Hz Refresh rate 95–97 1200Hz Refresh rate 98–100 3600Hz Refresh rate 101–103 5000Hz Refresh rate 104–106 10KHz Refresh rate 107–109 15KHz Refresh rate 110–112 20KHz Refresh rate 113–115 25KHz Refresh rate 116–118 Standard 119–121 Stage 122–124 TV 125–127 Architecture 128–130 Theatre 131–133 Gobo in + CTB Correction Off 134–136 Gobo in + CTB Correction On 137–149 Unused 150–159 All motor reset 160–169 P/T motor reset 170–179 Colors motor reset 180–189 Gobo motor reset 190–199 Other motor reset 200–255 Unused

36CH

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	1–254 Max Speed 255–255 Min Speed
6	Shutter / Strobe	16	0–21 Empty Channel Set 22–73 Strobe Min 74–125 Strobe Medium 126–126 Strobe Max 128–137 Open 138–168 Pulse Slow 169–200 Pulse Medium 201–201 Pulse Fast 202–212 Open 213–227 Rnd Strobe Min 228–243 Rnd Strobe Medium 244–244 Rnd Strobe Max 246–255 Empty Channel Set
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Zoom	0	0–127 Small 128–254 Normal 255–255 Wide
10	Zoom Fine	128	Fine byte of Zoom
11	Focus	128	0–127 Near 128–254 Normal 255–255 Far
12	Focus Fine	0	Fine byte of Focus
13	Focus1Adjust	0	
14	Focus1Adjust Fine	0	Fine byte of Focus1Adjust
15	Color Wheel	0	0–25 OPEN (wheel slot 1) 26–37 RED (wheel slot 2) 38–49 CTO 3000 K (wheel slot 3) 50–61 YELLOW (wheel slot 4) 62–73 GREEN (wheel slot 5) 74–85 ORANGE (wheel slot 6) 86–97 LIGHT BLUE (wheel slot 7) 98–109 MAGENTA (wheel slot 8) 110–121 DEEP BLUE (wheel slot 9) 122–127 OPEN (wheel slot 1) 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
16	Color Wheel Fine	0	Fine byte of Color Wheel
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	

36CH (continued)

Ch	Function	Default	DMX values
22	Yellow Fine	0	Fine byte of Yellow
23	C TO	0	
24	C TO Fine	0	Fine byte of C TO
25	Gobo	0	0–7 OPEN (wheel slot 1) 8–20 GOBO 1 (wheel slot 2) 21–33 GOBO 2 (wheel slot 3) 34–46 GOBO 3 (wheel slot 4) 47–59 GOBO 4 (wheel slot 5) 60–72 GOBO 5 (wheel slot 6) 73–85 GOBO 6 (wheel slot 7) 86–98 GOBO 7 (wheel slot 8) 99–111 GOBO 1 S>F (wheel slot 2) 112–124 GOBO 2 S>F (wheel slot 3) 125–137 GOBO 3 S>F (wheel slot 4) 138–150 GOBO 4 S>F (wheel slot 5) 151–163 GOBO 5 S>F (wheel slot 6) 164–176 GOBO 6 S>F (wheel slot 7) 177–189 GOBO 7 S>F (wheel slot 8) 191–205 >>> 206–220 >> 221–221 > 222–223 Stop 224–239 < 240–249 < 250–255 <<<
26	Gobo Rotation	0	0–126 Gobo1 Pos Index 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 < 255–255 <<<
27	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

36CH (continued)

Ch	Function	Default	DMX values
28	Gobo 2	0	0–9 Open (wheel slot 1) 10–17 BEAMREDUCER 1 (wheel slot 2) 18–25 BEAMREDUCER 2 (wheel slot 3) 26–33 GOBO 1 (wheel slot 4) 34–41 GOBO 2 (wheel slot 5) 42–49 GOBO 3 (wheel slot 6) 50–57 GOBO 4 (wheel slot 7) 58–65 GOBO 5 (wheel slot 8) 66–73 GOBO 6 (wheel slot 9) 74–81 GOBO 7 (wheel slot 10) 82–89 GOBO 8 (wheel slot 11) 90–99 BEAMREDUCER 1 S>F (wheel slot 2) 100–109 BEAMREDUCER 2 S>F (wheel slot 3) 110–119 GOBO 1 S>F (wheel slot 4) 120–129 GOBO 2 S>F (wheel slot 5) 130–139 GOBO 3 S>F (wheel slot 6) 140–149 GOBO 4 S>F (wheel slot 7) 150–159 GOBO 5 S>F (wheel slot 8) 160–169 GOBO 6 S>F (wheel slot 9) 170–179 GOBO 7 S>F (wheel slot 10) 180–189 GOBO 8 S>F (wheel slot 11) 190–204 >>> 205–220 >> 221–221 > 222–223 Stop 224–238 < 239–254 << 255–255 <<<
29	Prism	0	0–127 No Prisma (wheel slot 1) 128–255 5-facet-circular prisma (wheel slot 2)
30	Prism Rotation	0	0–127 Prisma 1 Pos Index 128–157 >>> 158–187 >> 188–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
31	Prism Rotation Fine	0	Fine byte of Prism Rotation
32	Prism	0	0–127 Open (wheel slot 1) 128–255 6-Facet-Linear (wheel slot 2)
33	Prism Rotation	0	0–127 Prisma 2 Pos Index 128–157 >>> 158–188 >> 189–189 > 190–193 Stop 194–223 < 224–254 << 255–255 <<<
34	Prism Rotation Fine	0	Fine byte of Prism Rotation
35	Frost1	0	0–254 Open 255–255 Frost

36CH (continued)

Ch	Function	Default	DMX values
36	Control1	0	0–9 unused 10–19 Display Off 20–29 Display On 30–36 Display Invert Off 37–43 Display Invert On 44–49 Display Invert Auto 50–59 Auto fan control mode 60–69 High fan control mode 70–79 Silent fan control mode 80–82 Dim Square Law 83–85 Dim Inv SQ Law 86–88 Dim Linear 89–91 Dim S Curve 92–94 800Hz Refresh rate 95–97 1200Hz Refresh rate 98–100 3600Hz Refresh rate 101–103 5000Hz Refresh rate 104–106 10KHz Refresh rate 107–109 15KHz Refresh rate 110–112 20KHz Refresh rate 113–115 25KHz Refresh rate 116–118 Standard 119–121 Stage 122–124 TV 125–127 Architecture 128–130 Theatre 131–133 Gobo in + CTB Correction Off 134–136 Gobo in + CTB Correction On 137–149 Unused 150–159 All motor reset 160–169 P/T motor reset 170–179 Colors motor reset 180–189 Gobo motor reset 190–199 Other motor reset 200–255 Unused