FOS Technologies

Scorpio Wash



Manufacturer	**FOS Technologies**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**26, 38, 66 channels**
Beam angle	**25°**
Pan range	**1°**
Tilt range	**1°**
Heads / cells	**10**
Size (W × H × D)	**240 × 300 × 220 mm**
GDTF fixture type	**8A0F41EE-1A35-41C0-92D6-53…**

Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

26 Channel Mode	26 ch
38 Channel Mode	38 ch
66 Channel Mode	66 ch

26 Channel Mode

26 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–225 Fast to Slow 226–235 BlackoutMode 236–255 NoFunction
6	Dimmer	0	
7	Shutter / Strobe	63	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe · Slow to Fast 96–127 Shutter Open 128–159 Pulse · Slow to Fast 160–191 Shutter Open 192–223 Random · Slow to Fast 224–255 Shutter Open
8	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	
13	Beam Shaper Pos Rotate	0	0–15 Zoom Rotation Stop 16–63 Zoom Shake 64–156 Forward Rotation 157–162 Zoom Rotation Stop 1 163–255 Backward Rotation
14	Beam Shaper Pos	0	
15	Color Wheel	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
16	C TO	0	
17	No Feature	0	
18	Dimmer	0	
19	Shutter1Strobe	0	

26 Channel Mode (continued)

Ch	Function	Default	DMX values
20	Red	0	
21	Green	0	
22	Blue	0	
23	Color Wheel	0	0–0 Off (wheel slot 1) 1–15 Red (wheel slot 2) 16–31 Green (wheel slot 3) 32–47 Blue (wheel slot 4) 48–63 Red+Blue (wheel slot 5) 64–79 Red+Green (wheel slot 6) 80–95 Green+Blue (wheel slot 7) 96–111 Red+Blue+Green (wheel slot 8) 112–127 2700k (wheel slot 9) 128–143 3200k (wheel slot 10) 144–159 3500k (wheel slot 11) 160–175 5000k (wheel slot 12) 176–191 5500k (wheel slot 13) 192–207 6000k (wheel slot 14) 208–223 6500k (wheel slot 15) 224–239 7000k (wheel slot 16) 240–255 8000k (wheel slot 17)
24	Effect 2	0	0–15 No Function 16–255 Empty Channel Set
25	Effect Speed	0	
26	Control1	0	0–79 No function 80–89 All Motor Reset 90–94 SCAN Motor Reset 95–99 ZOOM Motor Reset 100–119 Internal Progam 1 120–139 Internal Progam 2 140–159 Internal Progam 3 160–179 Internal Progam 4 180–199 Internal Progam 5 200–219 Internal Progam 6 220–239 Internal Progam 7 240–255 Internal Sound Program 1

38 Channel Mode

38 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	0–225 Fast to Slow 226–235 BlackoutMode 236–255 NoFunction
6	Dimmer	0	
7	Shutter / Strobe	63	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe · Slow to Fast 96–127 Shutter Open 128–159 Pulse · Slow to Fast 160–191 Shutter Open 192–223 Random · Slow to Fast 224–255 Shutter Open
8	Red	0	

38 Channel Mode (continued)

Ch	Function	Default	DMX values
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	
13	Beam Shaper Pos Rotate	0	0–15 Zoom Rotation Stop 16–63 Zoom Shake 64–156 Forward Rotation 157–162 Zoom Rotation Stop 1 163–255 Backward Rotation
14	Beam Shaper Pos	0	
15	Color Wheel	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
16	C TO	0	
17	No Feature	0	

38 Channel Mode (continued)

Ch	Function	Default	DMX values
18	Color Wheel 2	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
19	Dimmer	255	
20	Color3	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
21	Dimmer	255	

38 Channel Mode (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–15 No Function 16–31 Static Patterns (via FX2 CH) 32–43 Dyanmic Scene 1 44–55 Dyanmic Scene 2 56–67 Dyanmic Scene 3 68–79 Dyanmic Scene 4 80–91 Dyanmic Scene 5 92–103 Dyanmic Scene 6 104–115 Dyanmic Scene 7 116–127 Dyanmic Scene 8 128–139 Dyanmic Scene 9 140–151 Dyanmic Scene 10 152–163 Dyanmic Scene 11 164–175 Dyanmic Scene 12 176–187 Dyanmic Scene 13 188–199 Dyanmic Scene 14 200–211 Dyanmic Scene 15 212–223 Dyanmic Scene 16 224–235 Dyanmic Scene 17 236–247 Dyanmic Scene 18 248–255 Dyanmic Scene 19
23	Effect 2	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop Movement 142–143 Backward Speed from slow to fast 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32
24	Dimmer	0	
25	Shutter1Strobe	0	
26	Red	0	
27	Green	0	
28	Blue	0	

38 Channel Mode (continued)

Ch	Function	Default	DMX values
29	Color Wheel	0	0–0 Off (wheel slot 1) 1–15 Red (wheel slot 2) 16–31 Green (wheel slot 3) 32–47 Blue (wheel slot 4) 48–63 Red+Blue (wheel slot 5) 64–79 Red+Green (wheel slot 6) 80–95 Green+Blue (wheel slot 7) 96–111 Red+Blue+Green (wheel slot 8) 112–127 2700k (wheel slot 9) 128–143 3200k (wheel slot 10) 144–159 3500k (wheel slot 11) 160–175 5000k (wheel slot 12) 176–191 5500k (wheel slot 13) 192–207 6000k (wheel slot 14) 208–223 6500k (wheel slot 15) 224–239 7000k (wheel slot 16) 240–255 8000k (wheel slot 17)
30	Effect 2	0	0–15 No Function 16–255 Empty Channel Set
31	Effect Speed	0	
32	Effect	0	0–15 No Function 16–29 Pix Dynamic Scene 1 30–43 Pix Dynamic Scene 2 44–57 Pix Dynamic Scene 3 58–71 Pix Dynamic Scene 4 72–85 Pix Dynamic Scene 5 86–99 Pix Dynamic Scene 6 100–113 Pix Dynamic Scene 7 114–127 Pix Dynamic Scene 8 128–143 Pix Dynamic Scene 9 144–155 Pix Dynamic Scene 10 156–169 Pix Dynamic Scene 11 170–183 Pix Dynamic Scene 12 184–197 Pix Dynamic Scene 13 198–211 Pix Dynamic Scene 14 212–225 Pix Dynamic Scene 15 226–239 Pix Dynamic Scene 16 240–255 Pix Dynamic Scene 17
33	Dimmer	255	
34	Dimmer	255	
35	Red	0	
36	Green	0	
37	Blue	0	
38	Control1	0	0–79 No function 80–89 All Motor Reset 90–94 SCAN Motor Reset 95–99 ZOOM Motor Reset 100–119 Internal Progam 1 120–139 Internal Progam 2 140–159 Internal Progam 3 160–179 Internal Progam 4 180–199 Internal Progam 5 200–219 Internal Progam 6 220–239 Internal Progam 7 240–255 Internal Sound Program 1

66 Channel Mode

66 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	Position MSpeed	0	
6	Dimmer	0	
7	Shutter / Strobe	63	0–31 Shutter Closed 32–63 Shutter Open 64–95 Strobe · Slow to Fast 96–127 Shutter Open 128–159 Pulse · Slow to Fast 160–191 Shutter Open 192–223 Random · Slow to Fast 224–255 Shutter Open
8	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	
13	Beam Shaper Pos Rotate	0	
14	Beam Shaper Pos	0	
15	Color Wheel	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
16	C TO	0	
17	No Feature	0	

66 Channel Mode (continued)

Ch	Function	Default	DMX values
18	Color Wheel 2	0	0–0 Off (wheel slot 1) 1–13 Red (wheel slot 2) 14–27 Green (wheel slot 3) 28–41 Blue (wheel slot 4) 42–55 White (wheel slot 5) 56–69 Red+White (wheel slot 6) 70–83 Green+White (wheel slot 7) 84–97 Blue+White (wheel slot 8) 98–111 Green+Blue (wheel slot 9) 112–125 Red+Blue (wheel slot 10) 126–139 Red+Green (wheel slot 11) 140–153 Green+Blue+White (wheel slot 12) 154–167 Red+Blue+White (wheel slot 13) 168–181 Red+Green+White (wheel slot 14) 182–195 Red+Blue+Green+White (wheel slot 15) 196–202 2700k (wheel slot 16) 203–209 3200k (wheel slot 17) 210–216 3500k (wheel slot 18) 217–223 5000k (wheel slot 19) 224–230 5500k (wheel slot 20) 231–237 6000k (wheel slot 21) 238–244 6500k (wheel slot 22) 245–251 7000k (wheel slot 23) 252–255 8000k (wheel slot 24)
19	Dimmer	255	
20	Color3	0	
21	Dimmer	255	
22	Effect	0	0–15 No Function 16–31 Static Patterns (via FX2 CH) 32–43 Dyanmic Scene 1 44–55 Dyanmic Scene 2 56–67 Dyanmic Scene 3 68–79 Dyanmic Scene 4 80–91 Dyanmic Scene 5 92–103 Dyanmic Scene 6 104–115 Dyanmic Scene 7 116–127 Dyanmic Scene 8 128–139 Dyanmic Scene 9 140–151 Dyanmic Scene 10 152–163 Dyanmic Scene 11 164–175 Dyanmic Scene 12 176–187 Dyanmic Scene 13 188–199 Dyanmic Scene 14 200–211 Dyanmic Scene 15 212–223 Dyanmic Scene 16 224–235 Dyanmic Scene 17 236–247 Dyanmic Scene 18 248–255 Dyanmic Scene 19

66 Channel Mode (continued)

Ch	Function	Default	DMX values
23	Effect 2	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop Movement 142–143 Backward Speed from slow to fast 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32
24	Dimmer	0	
25	Shutter1Strobe	0	
26	Red	0	
27	Green	0	
28	Blue	0	
29	Color Wheel	0	0–0 Off (wheel slot 1) 1–15 Red (wheel slot 2) 16–31 Green (wheel slot 3) 32–47 Blue (wheel slot 4) 48–63 Red+Blue (wheel slot 5) 64–79 Red+Green (wheel slot 6) 80–95 Green+Blue (wheel slot 7) 96–111 Red+Blue+Green (wheel slot 8) 112–127 2700k (wheel slot 9) 128–143 3200k (wheel slot 10) 144–159 3500k (wheel slot 11) 160–175 5000k (wheel slot 12) 176–191 5500k (wheel slot 13) 192–207 6000k (wheel slot 14) 208–223 6500k (wheel slot 15) 224–239 7000k (wheel slot 16) 240–255 8000k (wheel slot 17)
30	Effect 2	0	0–15 No Function 16–255 Empty Channel Set
31	Effect Speed	0	

66 Channel Mode (continued)

Ch	Function	Default	DMX values
32	Effect	0	0–15 No Function 16–29 Pix Dynamic Scene 1 30–43 Pix Dynamic Scene 2 44–57 Pix Dynamic Scene 3 58–71 Pix Dynamic Scene 4 72–85 Pix Dynamic Scene 5 86–99 Pix Dynamic Scene 6 100–113 Pix Dynamic Scene 7 114–127 Pix Dynamic Scene 8 128–143 Pix Dynamic Scene 9 144–155 Pix Dynamic Scene 10 156–169 Pix Dynamic Scene 11 170–183 Pix Dynamic Scene 12 184–197 Pix Dynamic Scene 13 198–211 Pix Dynamic Scene 14 212–225 Pix Dynamic Scene 15 226–239 Pix Dynamic Scene 16 240–255 Pix Dynamic Scene 17
33	Dimmer	255	
34	Dimmer	255	
35	Red	0	
36	Green	0	
37	Blue	0	
38	Red	0	
39	Green	0	
40	Blue	0	
41	White	0	
42	Red	0	
43	Green	0	
44	Blue	0	
45	White	0	
46	Red	0	
47	Green	0	
48	Blue	0	
49	White	0	
50	Red	0	
51	Green	0	
52	Blue	0	
53	White	0	
54	Red	0	
55	Green	0	
56	Blue	0	
57	White	0	
58	Red	0	
59	Green	0	
60	Blue	0	
61	White	0	
62	Red	0	
63	Green	0	
64	Blue	0	

66 Channel Mode (continued)

Ch	Function	Default	DMX values
65	White	0	
66	Control1	0	