FOS Technologies

FOS Nitro BSW



Manufacturer	**FOS Technologies**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**15, 17 channels**
Beam angle	**7-36°**
Pan range	**1080°**
Tilt range	**540°**
Size (W × H × D)	**240 × 420 × 220 mm**
GDTF fixture type	**34127E09-8672-4A2E-A13F-72…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

15CH	15 ch
17CH	17 ch

15CH

15 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Tilt	0	
3	Color Wheel	0	0–9 open (wheel slot 1) 10–19 red (wheel slot 2) 20–29 blue (wheel slot 3) 30–39 green (wheel slot 4) 40–49 yellow (wheel slot 5) 50–59 magenta (wheel slot 6) 60–69 cyan (wheel slot 7) 70–79 pink (wheel slot 8) 80–89 orange (wheel slot 9) 90–99 CTO (wheel slot 10) 100–109 CTB (wheel slot 11) 110–127 UV (wheel slot 12) 128–189 CCW spin 190–254 Stop 255–255 CW spin
4	Gobo	0	0–9 OPEN (wheel slot 1) 10–19 LINES (wheel slot 2) 20–29 OVALS (wheel slot 3) 30–39 DOTS (wheel slot 4) 40–49 STAR (wheel slot 5) 50–59 YELLOW LINES (wheel slot 6) 60–69 PINK STRIPES (wheel slot 7) 70–79 BLUE WAVES (wheel slot 8) 80–184 Gobo1WheelShake 2 185–255 Gobo1PosRotate 3
5	Gobo Rotation	0	0–127 Gobo1Pos 1 128–189 CCW Spin 190–254 Stop 255–255 CW Spin
6	Gobo 2	0	0–4 OPEN (wheel slot 1) 5–9 LINE (wheel slot 2) 10–14 PLUS (wheel slot 3) 15–19 RADIAL (wheel slot 4) 20–24 HALF MOON (wheel slot 5) 25–29 STAR (wheel slot 6) 30–34 WAVY TRIANGLE (wheel slot 7) 35–39 STARS (wheel slot 8) 40–44 FORMS (wheel slot 9) 45–49 DOTS (wheel slot 10) 50–54 POINTS (wheel slot 11) 55–59 HEARTS (wheel slot 12) 60–64 FLOWER (wheel slot 13) 65–69 CIRCLE (wheel slot 14) 70–74 MILL (wheel slot 15) 75–79 SPOT (wheel slot 16) 80–84 BEAM (wheel slot 17) 85–203 Gobo2WheelShake 2 204–255 Gobo2WheelSpin 3
7	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Strobe 96–127 Open 1 128–159 Pulse Strobe 160–191 Open 2 192–223 Random Strobe 224–255 Open 3
8	Dimmer	0	0–254 Closed 255–255 Open

15CH (continued)

Ch	Function	Default	DMX values
9	Focus	0	
10	Zoom	0	
11	Prism	0	0–5 Open (wheel slot 1) 6–127 8F (wheel slot 2) 128–255 4F (wheel slot 3)
12	Prism Rotation	191	128–189 CCW Spin 190–254 Stop 255–255 CW Spin
13	Frost1	0	0–199 Open 200–255 Close
14	Position MSpeed	0	0–225 PositionMSpeed 1 226–235 Blackout by movement 236–255 Blackout by all wheel changing
15	Control1	0	0–39 No Function 40–59 LAMP On 60–79 LAMP Off 80–255 All motors reset

17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Color Wheel	0	0–9 open (wheel slot 1) 10–19 red (wheel slot 2) 20–29 blue (wheel slot 3) 30–39 green (wheel slot 4) 40–49 yellow (wheel slot 5) 50–59 magenta (wheel slot 6) 60–69 cyan (wheel slot 7) 70–79 pink (wheel slot 8) 80–89 orange (wheel slot 9) 90–99 CTO (wheel slot 10) 100–109 CTB (wheel slot 11) 110–127 UV (wheel slot 12) 128–189 CCW spin 190–254 Stop 255–255 CW spin
6	Gobo	0	0–9 OPEN (wheel slot 1) 10–19 LINES (wheel slot 2) 20–29 OVALS (wheel slot 3) 30–39 DOTS (wheel slot 4) 40–49 STAR (wheel slot 5) 50–59 YELLOW LINES (wheel slot 6) 60–69 PINK STRIPES (wheel slot 7) 70–79 BLUE WAVES (wheel slot 8) 80–184 Gobo1WheelShake 2 185–255 Gobo1PosRotate 3
7	Gobo Rotation	0	0–127 Gobo1Pos 1 128–189 CCW Spin 190–254 Stop 255–255 CW Spin

17CH (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 OPEN (wheel slot 1) 5–9 LINE (wheel slot 2) 10–14 PLUS (wheel slot 3) 15–19 RADIAL (wheel slot 4) 20–24 HALF MOON (wheel slot 5) 25–29 STAR (wheel slot 6) 30–34 WAVY TRIANGLE (wheel slot 7) 35–39 STARS (wheel slot 8) 40–44 FORMS (wheel slot 9) 45–49 DOTS (wheel slot 10) 50–54 POINTS (wheel slot 11) 55–59 HEARTS (wheel slot 12) 60–64 FLOWER (wheel slot 13) 65–69 CIRCLE (wheel slot 14) 70–74 MILL (wheel slot 15) 75–79 SPOT (wheel slot 16) 80–84 BEAM (wheel slot 17) 85–203 Gobo2WheelShake 2 204–255 Gobo2WheelSpin 3
9	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Shutter1Strobe 3 96–127 Open 1 128–159 Shutter1StrobePulse 5 160–191 Open 2 192–223 Shutter1StrobeRandom 7 224–255 Open 3
10	Dimmer	0	0–254 Closed 255–255 Open
11	Focus	0	
12	Zoom	0	
13	Prism	0	0–5 Open (wheel slot 1) 6–127 8F (wheel slot 2) 128–255 4F (wheel slot 3)
14	Prism Rotation	191	128–189 CCW Spin 190–254 Stop 255–255 CW Spin
15	Frost1	0	0–199 Open 200–255 Close
16	Position MSpeed	0	0–225 PositionMSpeed 1 226–235 Blackout by movement 236–255 Blackout by all wheel changing
17	Control1	0	0–39 No Function 40–59 LAMP On 60–79 LAMP Off 80–255 All motors reset