Snow Lighting

Snow Frost Hybrid Spot 550



Manufacturer	**Snow Lighting**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**23, 29, 31 channels**
Beam angle	**3-30°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**4FE30BF4-3619-4CBD-97C8-F2…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

Basic (23Ch)	23 ch
Standard (29Ch)	29 ch
Extended (31Ch)	31 ch

Basic (23Ch)

23 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Tilt	127	
3	Position MSpeed	0	
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	Color Macro1	0	0–10 Open 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3314 101–110 L101 111–120 L768 121–128 Open 2 129–147 C-100 M-up Y-0 148–166 C-dn M-100 Y-0 167–185 C-0 M-100 Y-up 186–204 C-0 M-dn Y-100 205–223 C-up M-0 Y-100 224–242 C-100 M-0 Y-dn 243–255 C-100 M-up Y-0
8	Color Macro1Rate	0	
9	Color Wheel	0	0–15 Open (wheel slot 1) 16–23 Color 1 (wheel slot 2) 24–31 Color 2 (wheel slot 3) 32–39 Color 3 (wheel slot 4) 40–47 Color 4 (wheel slot 5) 48–55 Color 5 (wheel slot 6) 56–63 Color 6 (wheel slot 7) 64–191 CW Index 192–222 CW Fwd 223–224 Stop 225–255 CW Bwd
10	Gobo	0	0–10 Open (wheel slot 1) 11–16 Gobo 1 (wheel slot 2) 17–22 Gobo 2 (wheel slot 3) 23–28 Gobo 3 (wheel slot 4) 29–34 Gobo 4 (wheel slot 5) 35–40 Gobo 5 (wheel slot 6) 41–46 Gobo 6 (wheel slot 7) 47–52 Gobo 7 (wheel slot 8) 53–58 Gobo 8 (wheel slot 9) 59–66 Open (wheel slot 1) 67–74 Gobo 1 # (wheel slot 2) 75–82 Gobo 2 # (wheel slot 3) 83–90 Gobo 3 # (wheel slot 4) 91–98 Gobo 4 # (wheel slot 5) 99–106 Gobo 5 # (wheel slot 6) 107–114 Gobo 6 # (wheel slot 7) 115–122 Gobo 7 # (wheel slot 8) 123–127 Gobo 8 # (wheel slot 9) 128–190 FX Fwd 191–192 Stop 193–255 FX Bwd

Basic (23Ch) (continued)

Ch	Function	Default	DMX values
11	Gobo1Select Spin	0	0–120 Gobo Index 121–125 Stop 126–165 Gobo Shake 166–170 Stop 2 171–210 Rotaiton Fwd 211–215 Stop 3 216–255 Rotaiton Bwd
12	Gobo 2	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 1 # (wheel slot 2) 88–94 Gobo 2 # (wheel slot 3) 95–101 Gobo 3 # (wheel slot 4) 102–108 Gobo 4 # (wheel slot 5) 109–115 Gobo 5 # (wheel slot 6) 116–122 Gobo 6 # (wheel slot 7) 123–129 Gobo 7 # (wheel slot 8) 130–136 Gobo 8 # (wheel slot 9) 137–143 Gobo 9 # (wheel slot 10) 144–150 Gobo 10 # (wheel slot 11) 151–200 FX Fws 201–205 Stop 206–255 FX Bwd
13	Animation System1	0	
14	Animation System1Pos	0	0–10 Open 11–127 CW 128–138 Stop 139–255 CCW
15	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
16	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
17	Frost1	0	0–10 Open 11–255 Frost
18	Zoom	128	0–126 Narrow 127–254 Normal 255–255 Wide
19	Focus	128	0–126 Min 127–254 Medium 255–255 Max

Basic (23Ch) (continued)

Ch	Function	Default	DMX values
20	Focus Mode	0	0–12 Open 13–39 5 Meters 40–66 7 Meters 67–93 9 Meters 94–120 11 Meters 121–147 13 Meters 148–174 15 Meters 175–201 17 Meters 202–228 19 Meters 229–255 21 Meters
21	Dimmer	0	0–254 Closed 255–255 Open
22	Shutter / Strobe	0	0–9 Open 1 10–49 Strobe · Slow 1–9.33 Hz 50–98 Strobe · Medium 9.54–19.8 Hz 99–99 Strobe · Fast 20 Hz 100–109 Open 2 110–144 Lightning strobe · Slow 0.25–2.59 Hz 145–178 Lightning strobe · Medium 2.66–4.93 Hz 179–179 Lightning strobe · Fast 5 Hz 180–189 Open 3 190–224 Random · Slow 0.25–2.73 Hz 225–254 Random · Medium 2.81–4.93 Hz 255–255 Random · Fast 5 Hz
23	Control1	0	0–10 Open 11–20 PT Blackout on 21–30 PT Blackout off 31–40 Pan Invert 41–50 Tilt Invert 51–60 PT Invert off 61–70 Studio 71–80 Power 81–100 Live 101–110 Dim4 111–120 Dim3 121–130 Dim2 131–140 Dim1 141–150 Dim0 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 PT Reset 221–230 Color/Gobo Reset 231–255 Focus/Zoom Reset

Standard (29Ch)

29 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	Cyan	0	
7	Magenta	0	

Standard (29Ch) (continued)

Ch	Function	Default	DMX values
8	Yellow	0	
9	Color Macro1	0	0–10 Open 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3314 101–110 L101 111–120 L768 121–128 Open 2 129–147 C-100 M-up Y-0 148–166 C-dn M-100 Y-0 167–185 C-0 M-100 Y-up 186–204 C-0 M-dn Y-100 205–223 C-up M-0 Y-100 224–242 C-100 M-0 Y-dn 243–255 C-100 M-up Y-0
10	Color Macro1Rate	0	
11	Color Wheel	0	0–15 Open (wheel slot 1) 16–23 Color 1 (wheel slot 2) 24–31 Color 2 (wheel slot 3) 32–39 Color 3 (wheel slot 4) 40–47 Color 4 (wheel slot 5) 48–55 Color 5 (wheel slot 6) 56–63 Color 6 (wheel slot 7) 64–191 CW Index 192–222 CW Fwd 223–224 Stop 225–255 CW Bwd
12	Gobo	0	0–10 Open (wheel slot 1) 11–16 Gobo 1 (wheel slot 2) 17–22 Gobo 2 (wheel slot 3) 23–28 Gobo 3 (wheel slot 4) 29–34 Gobo 4 (wheel slot 5) 35–40 Gobo 5 (wheel slot 6) 41–46 Gobo 6 (wheel slot 7) 47–52 Gobo 7 (wheel slot 8) 53–58 Gobo 8 (wheel slot 9) 59–66 Open (wheel slot 1) 67–74 Gobo 1 # (wheel slot 2) 75–82 Gobo 2 # (wheel slot 3) 83–90 Gobo 3 # (wheel slot 4) 91–98 Gobo 4 # (wheel slot 5) 99–106 Gobo 5 # (wheel slot 6) 107–114 Gobo 6 # (wheel slot 7) 115–122 Gobo 7 # (wheel slot 8) 123–127 Gobo 8 # (wheel slot 9) 128–190 FX Fwd 191–192 Stop 193–255 FX Bwd
13	Gobo1Select Spin	0	0–120 Gobo Index 121–125 Stop 126–165 Gobo Shake 166–170 Stop 2 171–210 Rotaiton Fwd 211–215 Stop 3 216–255 Rotaiton Bwd

Standard (29Ch) (continued)

Ch	Function	Default	DMX values
14	Gobo1Select Spin Fine	0	Fine byte of Gobo1Select Spin
15	Gobo 2	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 1 # (wheel slot 2) 88–94 Gobo 2 # (wheel slot 3) 95–101 Gobo 3 # (wheel slot 4) 102–108 Gobo 4 # (wheel slot 5) 109–115 Gobo 5 # (wheel slot 6) 116–122 Gobo 6 # (wheel slot 7) 123–129 Gobo 7 # (wheel slot 8) 130–136 Gobo 8 # (wheel slot 9) 137–143 Gobo 9 # (wheel slot 10) 144–150 Gobo 10 # (wheel slot 11) 151–200 FX Fws 201–205 Stop 206–255 FX Bwd
16	Animation System1	0	
17	Animation System1Pos	0	0–10 Open 11–127 CW 128–138 Stop 139–255 CCW
18	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
19	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
20	Frost1	0	0–10 Open 11–255 Frost
21	Zoom	127	0–126 Narrow 127–254 Normal 255–255 Wide
22	Zoom Fine	255	Fine byte of Zoom
23	Focus	127	0–126 Min 127–254 Medium 255–255 Max
24	Focus Fine	255	Fine byte of Focus

Standard (29Ch) (continued)

Ch	Function	Default	DMX values
25	Focus Mode	0	0–12 Open 13–39 5 Meters 40–66 7 Meters 67–93 9 Meters 94–120 11 Meters 121–147 13 Meters 148–174 15 Meters 175–201 17 Meters 202–228 19 Meters 229–255 21 Meters
26	Dimmer	0	0–254 Closed 255–255 Open
27	Dimmer Fine	0	Fine byte of Dimmer
28	Shutter / Strobe	0	0–9 Open 1 10–49 Strobe · Slow 1–9.33 Hz 50–98 Strobe · Medium 9.54–19.8 Hz 99–99 Strobe · Fast 20 Hz 100–109 Open 2 110–144 Lightning strobe · Slow 0.25–2.59 Hz 145–178 Lightning strobe · Medium 2.66–4.93 Hz 179–179 Lightning strobe · Fast 5 Hz 180–189 Open 3 190–224 Random · Slow 0.25–2.73 Hz 225–254 Random · Medium 2.81–4.93 Hz 255–255 Random · Fast 5 Hz
29	Control1	0	0–10 Open 11–20 PT Blackout on 21–30 PT Blackout off 31–40 Pan Invert 41–50 Tilt Invert 51–60 PT Invert off 61–70 Studio 71–80 Power 81–100 Live 101–110 Dim4 111–120 Dim3 121–130 Dim2 131–140 Dim1 141–150 Dim0 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 PT Reset 221–230 Color/Gobo Reset 231–255 Focus/Zoom Reset

Extended (31Ch)

31 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	Cyan	0	

Extended (31Ch) (continued)

Ch	Function	Default	DMX values
7	Magenta	0	
8	Yellow	0	
9	Color Macro1	0	0–10 Open 11–20 L106 21–30 L194 31–40 L019 41–50 R08 51–60 L213 61–70 R80 71–80 L202 81–90 L328 91–100 R3314 101–110 L101 111–120 L768 121–128 Open 2 129–147 C-100 M-up Y-0 148–166 C-dn M-100 Y-0 167–185 C-0 M-100 Y-up 186–204 C-0 M-dn Y-100 205–223 C-up M-0 Y-100 224–242 C-100 M-0 Y-dn 243–255 C-100 M-up Y-0
10	Color Macro1Rate	0	
11	Color Wheel	0	0–15 Open (wheel slot 1) 16–23 Color 1 (wheel slot 2) 24–31 Color 2 (wheel slot 3) 32–39 Color 3 (wheel slot 4) 40–47 Color 4 (wheel slot 5) 48–55 Color 5 (wheel slot 6) 56–63 Color 6 (wheel slot 7) 64–191 CW Index 192–222 CW Fwd 223–224 Stop 225–255 CW Bwd
12	Color Wheel Fine	0	Fine byte of Color Wheel
13	Gobo	0	0–10 Open (wheel slot 1) 11–16 Gobo 1 (wheel slot 2) 17–22 Gobo 2 (wheel slot 3) 23–28 Gobo 3 (wheel slot 4) 29–34 Gobo 4 (wheel slot 5) 35–40 Gobo 5 (wheel slot 6) 41–46 Gobo 6 (wheel slot 7) 47–52 Gobo 7 (wheel slot 8) 53–58 Gobo 8 (wheel slot 9) 59–66 Open (wheel slot 1) 67–74 Gobo 1 # (wheel slot 2) 75–82 Gobo 2 # (wheel slot 3) 83–90 Gobo 3 # (wheel slot 4) 91–98 Gobo 4 # (wheel slot 5) 99–106 Gobo 5 # (wheel slot 6) 107–114 Gobo 6 # (wheel slot 7) 115–122 Gobo 7 # (wheel slot 8) 123–127 Gobo 8 # (wheel slot 9) 128–190 FX Fwd 191–192 Stop 193–255 FX Bwd

Extended (31Ch) (continued)

Ch	Function	Default	DMX values
14	Gobo1Select Spin	0	0–120 Gobo Index 121–125 Stop 126–165 Gobo Shake 166–170 Stop 2 171–210 Rotaiton Fwd 211–215 Stop 3 216–255 Rotaiton Bwd
15	Gobo1Select Spin Fine	0	Fine byte of Gobo1Select Spin
16	Gobo 2	0	0–10 Open (wheel slot 1) 11–17 Gobo 1 (wheel slot 2) 18–24 Gobo 2 (wheel slot 3) 25–31 Gobo 3 (wheel slot 4) 32–38 Gobo 4 (wheel slot 5) 39–45 Gobo 5 (wheel slot 6) 46–52 Gobo 6 (wheel slot 7) 53–59 Gobo 7 (wheel slot 8) 60–66 Gobo 8 (wheel slot 9) 67–73 Gobo 9 (wheel slot 10) 74–80 Gobo 10 (wheel slot 11) 81–87 Gobo 1 # (wheel slot 2) 88–94 Gobo 2 # (wheel slot 3) 95–101 Gobo 3 # (wheel slot 4) 102–108 Gobo 4 # (wheel slot 5) 109–115 Gobo 5 # (wheel slot 6) 116–122 Gobo 6 # (wheel slot 7) 123–129 Gobo 7 # (wheel slot 8) 130–136 Gobo 8 # (wheel slot 9) 137–143 Gobo 9 # (wheel slot 10) 144–150 Gobo 10 # (wheel slot 11) 151–200 FX Fws 201–205 Stop 206–255 FX Bwd
17	Animation System1	0	
18	Animation System1Pos	0	0–10 Open 11–127 CW 128–138 Stop 139–255 CCW
19	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
20	Prism	0	0–10 Open (wheel slot 1) 11–145 Prism Index (wheel slot 2) 146–150 Stop 151–200 CW 201–205 Stop 206–255 CCW
21	Frost1	0	0–10 Open 11–255 Frost
22	Zoom	127	0–126 Narrow 127–254 Normal 255–255 Wide
23	Zoom Fine	255	Fine byte of Zoom
24	Focus	127	0–126 Min 127–254 Medium 255–255 Max
25	Focus Fine	255	Fine byte of Focus

Extended (31Ch) (continued)

Ch	Function	Default	DMX values
26	Focus Mode	0	0–12 Open 13–39 5 Meters 40–66 7 Meters 67–93 9 Meters 94–120 11 Meters 121–147 13 Meters 148–174 15 Meters 175–201 17 Meters 202–228 19 Meters 229–255 21 Meters
27	Focus Mode Fine	0	Fine byte of Focus Mode
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer
30	Shutter / Strobe	0	0–9 Open 1 10–49 Strobe · Slow 1–9.33 Hz 50–98 Strobe · Medium 9.54–19.8 Hz 99–99 Strobe · Fast 20 Hz 100–109 Open 2 110–144 Lightning strobe · Slow 0.25–2.59 Hz 145–178 Lightning strobe · Medium 2.66–4.93 Hz 179–179 Lightning strobe · Fast 5 Hz 180–189 Open 3 190–224 Random · Slow 0.25–2.73 Hz 225–254 Random · Medium 2.81–4.93 Hz 255–255 Random · Fast 5 Hz
31	Control1	0	0–10 Open 11–20 PT Blackout on 21–30 PT Blackout off 31–40 Pan Invert 41–50 Tilt Invert 51–60 PT Invert off 61–70 Studio 71–80 Power 81–100 Live 101–110 Dim4 111–120 Dim3 121–130 Dim2 131–140 Dim1 141–150 Dim0 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 All Reset 211–220 PT Reset 221–230 Color/Gobo Reset 231–255 Focus/Zoom Reset