ADJ

Focus Spot 6Z



Manufacturer	**ADJ**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**21, 25, 29 channels**
Beam angle	**6-48°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**246 × 361 × 204 mm**
GDTF fixture type	**831D8D3B-A104-43DD-8A6A-3…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

Basic	21 ch
Standard	25 ch
EXT	29 ch

Basic

21 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Tilt	127	
3	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 No Rot 194–255 CCW Slow to Fast
4	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO (wheel slot 5) 80–95 CTB (wheel slot 6) 96–111 Fluorescent Blue (wheel slot 7) 112–127 Light Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 Empty Channel Set 194–255 CCW Slow to Fast
5	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
6	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

Basic (continued)

Ch	Function	Default	DMX values
7	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
8	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
9	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
10	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
11	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
12	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
13	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
14	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
15	Focus	127	
16	Zoom	127	
17	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
18	Frost1	0	
19	Frost2	0	
20	Position MSpeed	0	
21	Control1	0	

Standard

25 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 No Rot 194–255 CCW Slow to Fast
6	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO (wheel slot 5) 80–95 CTB (wheel slot 6) 96–111 Fluorescent Blue (wheel slot 7) 112–127 Light Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 Empty Channel Set 194–255 CCW Slow to Fast
7	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
8	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

Standard (continued)

Ch	Function	Default	DMX values
9	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
10	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
11	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
12	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
13	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
14	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
15	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
16	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
17	Focus	127	
18	Zoom	127	
19	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
20	Frost1	0	
21	Frost2	0	

Standard (continued)

Ch	Function	Default	DMX values
22	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 0*8s 130–130 0*9s 131–131 1s 132–132 1*5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–141 10s 142–255 Idle
23	Dimmer Curve	0	0–20 Linear 21–40 Square 41–60 Inverted Square 61–80 S Curve 81–255 No function
24	Position MSpeed	0	
25	Control1	0	

EXT

29 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Red (wheel slot 2) 32–47 Orange (wheel slot 3) 48–63 Green (wheel slot 4) 64–79 Light Blue (wheel slot 5) 80–95 Purple (wheel slot 6) 96–111 Magenta (wheel slot 7) 112–127 Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 No Rot 194–255 CCW Slow to Fast

EXT (continued)

Ch	Function	Default	DMX values
6	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 Orange Red (wheel slot 2) 32–47 Yellow Green (wheel slot 3) 48–63 Peacock Blue (wheel slot 4) 64–79 CTO (wheel slot 5) 80–95 CTB (wheel slot 6) 96–111 Fluorescent Blue (wheel slot 7) 112–127 Light Yellow (wheel slot 8) 128–189 CW Fast to Slow 190–193 Empty Channel Set 194–255 CCW Slow to Fast
7	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
8	Gobo Rotation	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast
9	Gobo 2	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–79 Gobo 7 (wheel slot 8) 80–94 Gobo 1 (wheel slot 2) 95–109 Gobo 2 (wheel slot 3) 110–124 Gobo 3 (wheel slot 4) 125–139 Gobo 4 (wheel slot 5) 140–154 Gobo 5 (wheel slot 6) 155–169 Gobo 6 (wheel slot 7) 170–189 Gobo 7 (wheel slot 8) 190–221 CW Fast to Slow 222–223 Stop 224–255 CCW Slow to Fast
10	Gobo Rotation 2	0	0–127 Gobo Indexing 0 to 540 128–189 CW Fast to Slow 190–193 No Rotation 194–255 CCW Slow to Fast

EXT (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
12	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
13	Dimmer Fine	0	Fine byte of Dimmer
14	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 1 (6 Facet Linear) (wheel slot 2)
15	Prism Rotation	0	0–127 Prism Indexing (wheel slot 2) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
16	Prism Rotation Fine	0	Fine byte of Prism Rotation
17	Prism	0	0–31 Open (wheel slot 1) 32–255 Prism 2 (4 Facet Square) (wheel slot 3)
18	Prism Rotation	0	0–127 Prism Indexing (wheel slot 3) 128–189 Prism Rotation CW Fast to Slow 190–193 No Rotation 194–255 Prism Rotation CCW Slow to Fast
19	Prism Rotation Fine	0	Fine byte of Prism Rotation
20	Focus	127	
21	Zoom	127	
22	Zoom Fine	255	Fine byte of Zoom
23	Iris	0	0–191 Max to Min Diameter 192–223 Pulse Opening Fast to Slow 224–255 Pulse Closing Slow to Fast
24	Frost1	0	
25	Frost2	0	

EXT (continued)

Ch	Function	Default	DMX values
26	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s 122–122 0*1s 123–123 0*2 124–124 0*3s 125–125 0*4s 126–126 0*5s 127–127 0*6s 128–128 0*7 129–129 0*8s 130–130 0*9s 131–131 1s 132–132 1*5s 133–133 2s 134–134 3s 135–135 4s 136–136 5s 137–137 6s 138–138 7s 139–139 8s 140–140 9s 141–141 10s 142–255 Idle
27	Dimmer Curve	0	0–20 Linear 21–40 Square 41–60 Inverted Square 61–80 S Curve 81–255 No function
28	Position MSpeed	0	
29	Control1	0	