ADJ

Focus Spot 4Z



Manufacturer	**ADJ**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**16, 18, 22 channels**
Beam angle	**11-22°**
Pan range	**630°**
Tilt range	**270°**
Size (W × H × D)	**216 × 279 × 152 mm**
GDTF fixture type	**C0E8B5A3-7B3E-4700-A145-88…**

Controls

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

Safety-relevant functions

Strobe

DMX modes

Basic Mode Pan540	16 ch
Basic Mode Pan630	16 ch
Standard Mode Pan540	18 ch
Standard Mode Pan630	18 ch
Extended Mode Pan540	22 ch
Extended Mode Pan630	22 ch

Basic Mode Pan540

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
4	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
5	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast
6	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
7	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
8	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
9	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
10	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)

Basic Mode Pan540 (continued)

Ch	Function	Default	DMX values
11	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
12	Focus	0	
13	Zoom	0	
14	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
15	Pan Tilt Mode	0	
16	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function

Basic Mode Pan630

16 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Tilt	128	
3	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast

Basic Mode Pan630 (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
5	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast
6	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
7	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
8	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
9	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
10	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)
11	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
12	Focus	0	
13	Zoom	0	
14	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
15	Pan Tilt Mode	0	

Basic Mode Pan630 (continued)

Ch	Function	Default	DMX values
16	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function

Standard Mode Pan540

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
6	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
7	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast

Standard Mode Pan540 (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
9	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
10	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
11	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
12	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)
13	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
14	Focus	0	
15	Zoom	0	
16	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
17	Pan Tilt Mode	0	
18	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function

Standard Mode Pan630

18 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
6	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
7	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast
8	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
9	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
10	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
11	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast

Standard Mode Pan630 (continued)

Ch	Function	Default	DMX values
12	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)
13	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
14	Focus	0	
15	Zoom	0	
16	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
17	Pan Tilt Mode	0	
18	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function

Extended Mode Pan540

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast

Extended Mode Pan540 (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
7	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast
8	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
9	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
10	Dimmer Fine	0	Fine byte of Dimmer
11	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
12	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
13	Prism Rotation Fine	6	Fine byte of Prism Rotation
14	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)
15	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
16	Prism Rotation Fine	6	Fine byte of Prism Rotation
17	Focus	0	
18	Zoom	0	
19	Zoom Fine	0	Fine byte of Zoom

Extended Mode Pan540 (continued)

Ch	Function	Default	DMX values
20	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
21	Pan Tilt Mode	0	
22	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function

Extended Mode Pan630

22 channels

Ch	Function	Default	DMX values
1	Pan	109	
2	Pan Fine	182	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Color Wheel	0	0–7 Open / White (wheel slot 1) 8–14 Red (wheel slot 2) 15–21 Orange (wheel slot 3) 22–28 Yellow (wheel slot 4) 29–35 Green (wheel slot 5) 36–42 Blue (wheel slot 6) 43–49 Pink (wheel slot 7) 50–56 Cyan (wheel slot 8) 57–63 Magenta (wheel slot 9) 64–127 Color Mix (wheel slot 10) 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast

Extended Mode Pan630 (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–4 Open (wheel slot 1) 5–19 Gobo 1 (wheel slot 2) 20–34 Gobo 2 (wheel slot 3) 35–49 Gobo 3 (wheel slot 4) 50–64 Gobo 4 (wheel slot 5) 65–79 Gobo 5 (wheel slot 6) 80–94 Gobo 6 (wheel slot 7) 95–109 Gobo Shake 1 (wheel slot 2) 110–124 Gobo Shake 2 (wheel slot 3) 125–139 Gobo Shake 3 (wheel slot 4) 140–154 Gobo Shake 4 (wheel slot 5) 155–169 Gobo Shake 5 (wheel slot 6) 170–189 Gobo Shake 6 (wheel slot 7) 190–221 Fast to Slow 222–223 No Rotation 224–255 Slow to Fast
7	Gobo Rotation	0	0–127 Indexing 128–191 Fast to slow 192–255 Slow to fast
8	Shutter / Strobe	32	0–31 Shutter Close 32–63 Shutter Open 64–94 Slowest Strobe 95–95 Fastest Strobe 96–127 Shutter Open 128–158 Slowest Pulse 159–159 Fastest Pulse 160–191 Shutter Open 192–222 Slowest Strobe 223–223 Fastest Strobe 255–255 Shutter Open
9	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
10	Dimmer Fine	0	Fine byte of Dimmer
11	Prism	0	0–31 Open 32–255 6 Facet Circular Prism (wheel slot 1)
12	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
13	Prism Rotation Fine	6	Fine byte of Prism Rotation
14	Prism	0	0–31 Open 32–255 Prism 2 (5 facet linear) (wheel slot 2)
15	Prism Rotation	6	0–127 Indexing 0 to 540 deg 128–189 Fast to Slow 190–193 No Rotation 194–255 Slow to Fast
16	Prism Rotation Fine	6	Fine byte of Prism Rotation
17	Focus	0	
18	Zoom	0	
19	Zoom Fine	0	Fine byte of Zoom

Extended Mode Pan630 (continued)

Ch	Function	Default	DMX values
20	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theater 101–120 Stage 2 121–255 Default to Unit Setting
21	Pan Tilt Mode	0	
22	Function	0	0–9 No Function 10–19 Blackout with Pan/Tilt Movement 20–29 Blackout with Color Wheel Movement 30–39 Blackout with Gobo Wheel Movement 40–59 Color and Gobo Motor Reset 60–69 Prism Motor Reset 70–79 Pan /Tilt Motor Reset 80–89 Focus Motor Reset 90–99 All Motors Reset 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–255 No Function