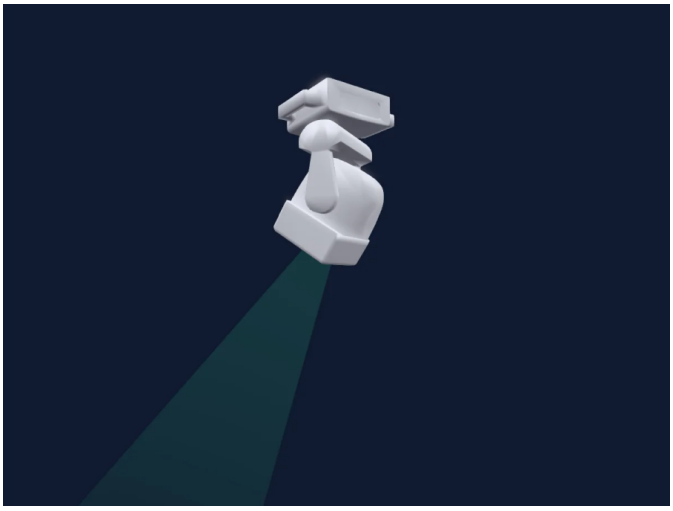
Clay Paky

Volero Cube



Manufacturer	**Clay Paky**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**1, 4, 22, 25, 41, 43, 45, 50 channels**
Beam angle	**5-50°**
Pan range	**540°**
Tilt range	**180°**
Heads / cells	**2**
Size (W × H × D)	**231 × 281 × 215 mm**
GDTF fixture type	**B2A5E5DE-7680-4E6A-8EBC-66…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Strobe	1 ch
RGBW	4 ch
Standard OLD	22 ch
Basic	25 ch
Shape OLD	41 ch
Standard	43 ch
Advanced OLD	45 ch
Advanced	50 ch

Strobe

1 channel

Ch	Function	Default	DMX values
1	White	0	0–254 0% (wheel slot 5) 255–255 100%

RGBW

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	

Standard OLD

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Slow-Fast
4	Pan Direction	0	
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	0	
8	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer

Standard OLD (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–1 Home-Zero (wheel slot 1) 2–3 Auto (wheel slot 1) 4–7 Theatre (wheel slot 1) 8–9 Constant (wheel slot 1) 10–11 Silent 12–37 Reserved (wheel slot 1) 38–42 Gamma 1_0 43–47 Gamma 1_5 48–52 Gamma 2_0 68–72 Reverse Mapping Off (wheel slot 1) 73–77 Reverse Mapping On (wheel slot 1) 78–80 Custom (wheel slot 1) 81–83 Save (wheel slot 1) 84–86 Set Custom 87–89 Set Full 90–92 Set Factory 93–97 Disable (wheel slot 1) 98–102 Enable (wheel slot 1) 103–105 Disabled 106–109 Enabled 110–120 Reserved (wheel slot 1) 121–130 0 (wheel slot 1) 131–140 1 (wheel slot 1) 141–150 2 (wheel slot 1) 151–160 3 (wheel slot 1) 161–170 4 (wheel slot 1) 171–180 5 (wheel slot 1) 181–183 Pan Disable 184–187 Pan Enable 188–190 Invert Tilt Off 191–193 Invert Tilt On 194–197 Invert Pan Off 198–200 Invert Pan On 201–205 Dim Curve 1 206–210 Dim Curve 2 211–215 Dim Curve 3 216–220 Dim Curve 4 221–251 Dim Curve 5 252–255 Complete Reset
12	Red	0	0–254 0% (wheel slot 1) 255–255 100%
13	Green	0	0–254 0% (wheel slot 1) 255–255 100%
14	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
15	White	0	0–254 0% (wheel slot 1) 255–255 100%
16	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
17	Color Macro1	0	

Standard OLD (continued)

Ch	Function	Default	DMX values
18	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
19	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
20	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
21	Shape Selection	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
22	Shape Speed	0	0–124 Forward Fast to Slow 125–130 Stop 131–255 Backward Slow to Fast

Basic

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Rot Slow>Fast
4	Pan Direction	0	0–127 CCW 128–255 CW
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	255	0–254 Wide 255–255 Narrow

Basic (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer
11	Control1	0	0–4 Home-Zero (wheel slot 1) 5–9 Auto # (wheel slot 1) 10–14 Silent (wheel slot 1) 15–19 Theatre (wheel slot 1) 20–24 Constant 25–34 Empty Channel Set 35–39 Dim Curve 1 # 40–44 Dim Curve 2 45–49 Dim Curve 3 50–54 Dim Curve 4 55–59 Dim Curve 5 60–69 Empty Channel Set 70–74 Gamma 1 75–79 Gamma 1_5 80–84 Gamma 2_2 # 85–89 Empty Channel Set 90–94 Freq 0 # (wheel slot 1) 95–99 Freq 1 (wheel slot 1) 100–104 Freq 2 (wheel slot 1) 105–109 Freq 3 (wheel slot 1) 110–114 Freq 4 (wheel slot 1) 115–119 Freq 5 (wheel slot 1) 120–129 Empty Channel Set 130–134 Display OFF # 135–139 Display ON 140–149 Empty Channel Set 150–154 Pan Disable 155–169 Pan Enable # 170–174 Invert Pan OFF # 175–179 Invert Pan ON 180–184 Invert Tilt OFF # 185–227 Invert Tilt ON 228–231 Zoom Reset 232–233 Pan Reset 234–235 Tilt Reset 236–251 P/T Reset 252–253 Complete Reset 254–255 Default Recall

Basic (continued)

Ch	Function	Default	DMX values
12	Function	0	0–4 Home-Zero 5–9 RGBW Pix OFF # 10–14 RGBW Pix ON 15–19 Strobe Pix OFF # 20–39 Strobe Pix ON 40–44 Rev Map OFF # 45–149 Rev Map ON 150–154 ColCalib OFF # 155–159 ColCalib Factory 160–169 ColCalib Custom 170–174 Set Custom Calib @FullWhite 175–179 Set Custom Calib @3200K 180–249 Save Custom Calib 250–255 Default Recall
13	Red	0	0–254 0% (wheel slot 1) 255–255 100%
14	Green	0	0–254 0% (wheel slot 1) 255–255 100%
15	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
16	White	0	0–254 0% (wheel slot 1) 255–255 100%
17	C TO	0	0–9 CTO OFF 10–254 8000K (wheel slot 1) 255–255 2700K
18	Strobe Mode Effect	0	0–20 Open (wheel slot 1) 21–40 Closed 41–60 Open 2 61–80 Linear 81–100 Ramp Up 101–120 Ramp Down 121–140 Ramp Up/Down 141–160 Random 161–180 Lightning 181–200 Spikes 201–255 Open 3
19	Strobe Duration	0	0–254 20ms 255–255 1s
20	Strobe Frequency	0	0–254 0_3 Hz (wheel slot 5) 255–255 25 Hz
21	Dimmer	0	0–254 0% (wheel slot 5) 255–255 100%
22	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
23	Shape Selection	0	
24	Shape Index Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
25	Shape Fade	0	0–5 OFF (wheel slot 1) 6–130 Fade (wheel slot 1) 131–255 Wake

Shape OLD

41 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Slow-Fast
4	Pan Direction	0	
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	0	
8	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer

Shape OLD (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–1 Home-Zero (wheel slot 1) 2–3 Auto (wheel slot 1) 4–7 Theatre (wheel slot 1) 8–9 Constant (wheel slot 1) 10–11 Silent 12–37 Reserved (wheel slot 1) 38–42 Gamma 1_0 43–47 Gamma 1_5 48–52 Gamma 2_0 68–72 Reverse Mapping Off (wheel slot 1) 73–77 Reverse Mapping On (wheel slot 1) 78–80 Custom (wheel slot 1) 81–83 Save (wheel slot 1) 84–86 Set Custom 87–89 Set Full 90–92 Set Factory 93–97 Disable (wheel slot 1) 98–102 Enable (wheel slot 1) 103–105 Disabled 106–109 Enabled 110–120 Reserved (wheel slot 1) 121–130 0 (wheel slot 1) 131–140 1 (wheel slot 1) 141–150 2 (wheel slot 1) 151–160 3 (wheel slot 1) 161–170 4 (wheel slot 1) 171–180 5 (wheel slot 1) 181–183 Pan Disable 184–187 Pan Enable 188–190 Invert Tilt Off 191–193 Invert Tilt On 194–197 Invert Pan Off 198–200 Invert Pan On 201–205 Dim Curve 1 206–210 Dim Curve 2 211–215 Dim Curve 3 216–220 Dim Curve 4 221–251 Dim Curve 5 252–255 Complete Reset
12	Red	0	0–254 0% (wheel slot 1) 255–255 100%
13	Red Fine	0	Fine byte of Red
14	Green	0	0–254 0% (wheel slot 1) 255–255 100%
15	Green Fine	0	Fine byte of Green
16	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
17	Blue Fine	0	Fine byte of Blue
18	White	0	0–254 0% (wheel slot 1) 255–255 100%
19	White Fine	0	Fine byte of White
20	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
21	Color Macro1	0	
22	Color Crossfade	0	

Shape OLD (continued)

Ch	Function	Default	DMX values
23	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
24	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
25	Red	0	0–254 0% (wheel slot 1) 255–255 100%
26	Green	0	0–254 0% (wheel slot 1) 255–255 100%
27	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
28	White	0	0–254 0% (wheel slot 1) 255–255 100%
29	C TO	0	0–9 No Function (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
30	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Shape Slave when dimmer @0 (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Shape Master when dimmer @0 (wheel slot 1)
31	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
32	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)

Shape OLD (continued)

Ch	Function	Default	DMX values
33	Shape Selection	0	0–4 Shape 1 (wheel slot 1) 5–9 Shape 2 10–14 Shape 3 15–19 Shape 4 20–24 Shape 5 25–29 Shape 6 30–34 Shape 7 35–39 Shape 8 40–44 Shape 9 45–49 Shape 10 50–54 Shape 11 55–59 Shape 12 60–64 Shape 13 65–69 Shape 14 70–74 Shape 15 75–79 Shape 16 80–84 Shape 17 85–89 Shape 18 90–94 Shape 19 95–99 Shape 20 100–104 Shape 21 105–109 Shape 22 110–114 Shape 23 115–119 Shape 24 120–124 Shape 25 125–129 Shape 26 130–134 Shape 27 135–139 Shape 28 140–144 Shape 29 145–149 Shape 30 150–154 Shape 31 155–159 Shape 32 160–164 Shape 33 165–169 Shape 34 170–255 Shape 35
34	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
35	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Control Fast to Slow (wheel slot 1) 131–255 Wake Linearly Increase of Pixel Back to Front
36	Shape Crossfade	0	
37	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
38	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
39	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
40	Shape Selection	0	

Shape OLD (continued)

Ch	Function	Default	DMX values
41	Shape Speed	0	0–124 Forward Fast to Slow 125–130 Stop 131–255 Backward Slow to Fast

Standard

43 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Rot Slow>Fast
4	Pan Direction	0	0–127 CCW 128–255 CW
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	255	0–254 Wide 255–255 Narrow
8	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer

Standard (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–4 Home-Zero (wheel slot 1) 5–9 Auto # (wheel slot 1) 10–14 Silent (wheel slot 1) 15–19 Theatre (wheel slot 1) 20–24 Constant 25–34 Empty Channel Set 35–39 Dim Curve 1 # 40–44 Dim Curve 2 45–49 Dim Curve 3 50–54 Dim Curve 4 55–59 Dim Curve 5 60–69 Empty Channel Set 70–74 Gamma 1 75–79 Gamma 1_5 80–84 Gamma 2_2 # 85–89 Empty Channel Set 90–94 Freq 0 # (wheel slot 1) 95–99 Freq 1 (wheel slot 1) 100–104 Freq 2 (wheel slot 1) 105–109 Freq 3 (wheel slot 1) 110–114 Freq 4 (wheel slot 1) 115–119 Freq 5 (wheel slot 1) 120–129 Empty Channel Set 130–134 Display OFF # 135–139 Display ON 140–149 Empty Channel Set 150–154 Pan Disable 155–169 Pan Enable # 170–174 Invert Pan OFF # 175–179 Invert Pan ON 180–184 Invert Tilt OFF # 185–227 Invert Tilt ON 228–231 Zoom Reset 232–233 Pan Reset 234–235 Tilt Reset 236–251 P/T Reset 252–253 Complete Reset 254–255 Default Recall
12	Function	0	0–4 Home-Zero 5–9 RGBW Pix OFF # 10–14 RGBW Pix ON 15–19 Strobe Pix OFF # 20–39 Strobe Pix ON 40–44 Rev Map OFF # 45–149 Rev Map ON 150–154 ColCalib OFF # 155–159 ColCalib Factory 160–169 ColCalib Custom 170–174 Set Custom Calib @FullWhite 175–179 Set Custom Calib @3200K 180–249 Save Custom Calib 250–255 Default Recall
13	Red	0	0–254 0% (wheel slot 1) 255–255 100%
14	Red Fine	0	Fine byte of Red
15	Green	0	0–254 0% (wheel slot 1) 255–255 100%
16	Green Fine	0	Fine byte of Green
17	Blue	0	0–254 0% (wheel slot 1) 255–255 100%

Standard (continued)

Ch	Function	Default	DMX values
18	Blue Fine	0	Fine byte of Blue
19	White	0	0–254 0% (wheel slot 1) 255–255 100%
20	White Fine	0	Fine byte of White
21	C TO	0	0–9 CTO OFF 10–254 8000K (wheel slot 1) 255–255 2700K
22	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)
23	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
24	Red	0	0–254 0% (wheel slot 1) 255–255 100%
25	Green	0	0–254 0% (wheel slot 1) 255–255 100%
26	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
27	White	0	0–254 0% (wheel slot 1) 255–255 100%
28	C TO	0	0–9 CTO OFF 10–254 8000K (wheel slot 1) 255–255 2700K
29	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–215 Shape Master when dimmer@0 216–220 Shape Slave when dimmer@0 221–255 Open 3 (wheel slot 1)
30	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
31	Shape Mode	0	0–5 OFF (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)

Standard (continued)

Ch	Function	Default	DMX values
32	Shape Selection	0	0–4 Shape 1 (wheel slot 1) 5–9 Shape 2 10–14 Shape 3 15–19 Shape 4 20–24 Shape 5 25–29 Shape 6 30–34 Shape 7 35–39 Shape 8 40–44 Shape 9 45–49 Shape 10 50–54 Shape 11 55–59 Shape 12 60–64 Shape 13 65–69 Shape 14 70–74 Shape 15 75–79 Shape 16 80–84 Shape 17 85–89 Shape 18 90–94 Shape 19 95–99 Shape 20 100–104 Shape 21 105–109 Shape 22 110–114 Shape 23 115–119 Shape 24 120–124 Shape 25 125–129 Shape 26 130–134 Shape 27 135–139 Shape 28 140–144 Shape 29 145–149 Shape 30 150–154 Shape 31 155–159 Shape 32 160–164 Shape 33 165–169 Shape 34 170–174 Shape 35 175–179 Shape 36 180–184 Shape 37 185–189 Shape 38 190–194 Shape 39 195–199 Shape 40 200–204 Shape 41 205–209 Shape 42 210–255 Shape 43
33	Shape Index Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
34	Shape Fade	0	0–5 OFF (wheel slot 1) 6–130 Fade (wheel slot 1) 131–255 Wake
35	Shape Crossfade	0	0–254 0s (wheel slot 1) 255–255 3s

Standard (continued)

Ch	Function	Default	DMX values
36	Strobe Mode Effect	0	0–20 Open (wheel slot 1) 21–40 Closed 41–60 Open 2 61–80 Linear 81–100 Ramp Up 101–120 Ramp Down 121–140 Ramp Up/Down 141–160 Random 161–180 Lightning 181–200 Spikes 201–255 Open 3
37	Strobe Duration	0	0–254 20ms 255–255 1s
38	Strobe Frequency	0	0–254 0_3 Hz (wheel slot 5) 255–255 25 Hz
39	Dimmer	0	0–254 0% (wheel slot 5) 255–255 100%
40	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
41	Shape Selection	0	
42	Shape Index Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
43	Shape Fade	0	0–5 OFF (wheel slot 1) 6–130 Fade (wheel slot 1) 131–255 Wake

Advanced OLD

45 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Slow-Fast
4	Pan Direction	0	0–0 CCW 1–255 CW
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	0	
8	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer

Advanced OLD (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–1 Home-Zero (wheel slot 1) 2–3 Auto (wheel slot 1) 4–7 Theatre (wheel slot 1) 8–9 Constant (wheel slot 1) 10–11 Silent 12–37 Reserved (wheel slot 1) 38–42 Gamma 1_0 43–47 Gamma 1_5 48–52 Gamma 2_0 68–72 Reverse Mapping Off (wheel slot 1) 73–77 Reverse Mapping On (wheel slot 1) 78–80 Custom (wheel slot 1) 81–83 Save (wheel slot 1) 84–86 Set Custom 87–89 Set Full 90–92 Set Factory 93–97 Disable (wheel slot 1) 98–102 Enable (wheel slot 1) 103–105 Disabled 106–109 Enabled 110–120 Reserved (wheel slot 1) 121–130 0 (wheel slot 1) 131–140 1 (wheel slot 1) 141–150 2 (wheel slot 1) 151–160 3 (wheel slot 1) 161–170 4 (wheel slot 1) 171–180 5 (wheel slot 1) 181–183 Pan Disable 184–187 Pan Enable 188–190 Invert Tilt Off 191–193 Invert Tilt On 194–197 Invert Pan Off 198–200 Invert Pan On 201–205 Dim Curve 1 206–210 Dim Curve 2 211–215 Dim Curve 3 216–220 Dim Curve 4 221–251 Dim Curve 5 252–255 Complete Reset
12	Layer Selection	0	
13	Layer Crossfade	0	
14	Red	0	0–254 0% (wheel slot 1) 255–255 100%
15	Green	0	0–254 0% (wheel slot 1) 255–255 100%
16	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
17	White	0	0–254 0% (wheel slot 1) 255–255 100%
18	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K

Advanced OLD (continued)

Ch	Function	Default	DMX values
19	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Open (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Open (wheel slot 1)
20	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
21	Red	0	0–254 0% (wheel slot 1) 255–255 100%
22	Green	0	0–254 0% (wheel slot 1) 255–255 100%
23	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
24	White	0	0–254 0% (wheel slot 1) 255–255 100%
25	C TO	0	0–9 No Function (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
26	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Shape Slave when dimmer @0 (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Shape Master when dimmer @0 (wheel slot 1)
27	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
28	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)

Advanced OLD (continued)

Ch	Function	Default	DMX values
29	Shape Selection	0	0–4 Shape 1 (wheel slot 1) 5–9 Shape 2 10–14 Shape 3 15–19 Shape 4 20–24 Shape 5 25–29 Shape 6 30–34 Shape 7 35–39 Shape 8 40–44 Shape 9 45–49 Shape 10 50–54 Shape 11 55–59 Shape 12 60–64 Shape 13 65–69 Shape 14 70–74 Shape 15 75–79 Shape 16 80–84 Shape 17 85–89 Shape 18 90–94 Shape 19 95–99 Shape 20 100–104 Shape 21 105–109 Shape 22 110–114 Shape 23 115–119 Shape 24 120–124 Shape 25 125–129 Shape 26 130–134 Shape 27 135–139 Shape 28 140–144 Shape 29 145–149 Shape 30 150–154 Shape 31 155–159 Shape 32 160–164 Shape 33 165–169 Shape 34 170–255 Shape 35
30	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
31	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase
32	Shape Crossfade	0	
33	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Strobe · Slow 1–24.8 Hz 103–103 Strobe · Fast 25 Hz 104–107 Open (wheel slot 1) 108–206 Pulsation strobe · Slow 0.5–24.8 Hz (wheel slot 1) 207–207 Pulsation strobe · Fast 25 Hz 208–212 Pixels Slave when dimmer @0 (wheel slot 1) 213–225 Random · Slow 1–8.58 Hz 226–238 Random · Medium 9.21–16.8 Hz 239–251 Random · Fast 17.4–25 Hz 252–255 Pixels Master when dimmer @0 (wheel slot 1)
34	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%

Advanced OLD (continued)

Ch	Function	Default	DMX values
35	Shutter / Strobe	0	0–20 Light ON (wheel slot 1) 21–40 Light OFF 41–60 Light ON 2 61–80 Linear 81–100 Ramp Up 101–120 Ramp Down 121–140 Ramp Up/Down 141–160 Random 161–180 Lightning 181–200 Spikes 201–255 Light ON 3
36	Dimmer	0	0–254 0% (wheel slot 5) 255–255 100%
37	Dimmer	0	
38	Dimmer	0	
39	Dimmer	0	
40	Strobe Duration	0	
41	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast
42	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
43	Shape Selection	0	
44	Shape Speed	0	0–124 Indexing 125–130 Stop 131–255 Backward Slow to Fast
45	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Change Fast to Slow (wheel slot 1) 131–255 Wake Change From Fast To Slow

Advanced

50 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–0 No Rotation 1–255 Rot Slow>Fast
4	Pan Direction	0	0–127 CCW 128–255 CW
5	Tilt	128	
6	Tilt Fine	0	Fine byte of Tilt
7	Zoom	255	0–254 Wide 255–255 Narrow
8	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
9	Dimmer Fine	0	Fine byte of Dimmer

Advanced (continued)

Ch	Function	Default	DMX values
10	Control1	0	0–4 Home-Zero (wheel slot 1) 5–9 Auto # (wheel slot 1) 10–14 Silent (wheel slot 1) 15–19 Theatre (wheel slot 1) 20–24 Constant 25–34 Empty Channel Set 35–39 Dim Curve 1 # 40–44 Dim Curve 2 45–49 Dim Curve 3 50–54 Dim Curve 4 55–59 Dim Curve 5 60–69 Empty Channel Set 70–74 Gamma 1 75–79 Gamma 1_5 80–84 Gamma 2_2 # 85–89 Empty Channel Set 90–94 Freq 0 # (wheel slot 1) 95–99 Freq 1 (wheel slot 1) 100–104 Freq 2 (wheel slot 1) 105–109 Freq 3 (wheel slot 1) 110–114 Freq 4 (wheel slot 1) 115–119 Freq 5 (wheel slot 1) 120–129 Empty Channel Set 130–134 Display OFF # 135–139 Display ON 140–149 Empty Channel Set 150–154 Pan Disable 155–169 Pan Enable # 170–174 Invert Pan OFF # 175–179 Invert Pan ON 180–184 Invert Tilt OFF # 185–227 Invert Tilt ON 228–231 Zoom Reset 232–233 Pan Reset 234–235 Tilt Reset 236–251 P/T Reset 252–253 Complete Reset 254–255 Default Recall
11	Function	0	0–4 Home-Zero 5–9 RGBW Pix OFF # 10–14 RGBW Pix ON 15–19 Strobe Pix OFF # 20–39 Strobe Pix ON 40–44 Rev Map OFF # 45–149 Rev Map ON 150–154 ColCalib OFF # 155–159 ColCalib Factory 160–169 ColCalib Custom 170–174 Set Custom Calib @FullWhite 175–179 Set Custom Calib @3200K 180–249 Save Custom Calib 250–255 Default Recall
12	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)

Advanced (continued)

Ch	Function	Default	DMX values
13	Dimmer	255	0–254 0% 255–255 100%
14	Dimmer Fine	255	Fine byte of Dimmer
15	Dummy	0	
16	Red	0	0–254 0% (wheel slot 1) 255–255 100%
17	Green	0	0–254 0% (wheel slot 1) 255–255 100%
18	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
19	White	0	0–254 0% (wheel slot 1) 255–255 100%
20	C TO	0	0–9 CTO OFF 10–254 8000K (wheel slot 1) 255–255 2700K
21	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)
22	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
23	Red	0	0–254 0% (wheel slot 1) 255–255 100%
24	Green	0	0–254 0% (wheel slot 1) 255–255 100%
25	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
26	White	0	0–254 0% (wheel slot 1) 255–255 100%
27	C TO	0	0–9 CTO OFF 10–254 8000K (wheel slot 1) 255–255 2700K
28	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–215 Shape Master when dimmer@0 216–220 Shape Slave when dimmer@0 221–255 Open 3 (wheel slot 1)
29	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
30	Shape Mode	0	0–5 OFF (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)

Advanced (continued)

Ch	Function	Default	DMX values
31	Shape Selection	0	0–4 Shape 1 (wheel slot 1) 5–9 Shape 2 10–14 Shape 3 15–19 Shape 4 20–24 Shape 5 25–29 Shape 6 30–34 Shape 7 35–39 Shape 8 40–44 Shape 9 45–49 Shape 10 50–54 Shape 11 55–59 Shape 12 60–64 Shape 13 65–69 Shape 14 70–74 Shape 15 75–79 Shape 16 80–84 Shape 17 85–89 Shape 18 90–94 Shape 19 95–99 Shape 20 100–104 Shape 21 105–109 Shape 22 110–114 Shape 23 115–119 Shape 24 120–124 Shape 25 125–129 Shape 26 130–134 Shape 27 135–139 Shape 28 140–144 Shape 29 145–149 Shape 30 150–154 Shape 31 155–159 Shape 32 160–164 Shape 33 165–169 Shape 34 170–174 Shape 35 175–179 Shape 36 180–184 Shape 37 185–189 Shape 38 190–194 Shape 39 195–199 Shape 40 200–204 Shape 41 205–209 Shape 42 210–255 Shape 43
32	Shape Index Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
33	Shape Fade	0	0–5 OFF (wheel slot 1) 6–130 Fade (wheel slot 1) 131–255 Wake
34	Shape Crossfade	0	0–254 0s (wheel slot 1) 255–255 3s
35	Shutter / Strobe	0	0–10 Open 11–20 Closed (wheel slot 1) 21–30 Open 2 31–129 Linear strobe · Linear Slow 1–24.8 Hz 130–130 Linear strobe · Linear Fast 25 Hz 131–140 Pixels Master when dimmer@0 141–150 Pixels Slave when dimmer@0 151–255 Open 3 (wheel slot 1)
36	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%

Advanced (continued)

Ch	Function	Default	DMX values
37	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–255 Open 3 (wheel slot 1)
38	Dimmer	255	0–254 0% (wheel slot 5) 255–255 100%
39	Strobe Mode Effect	0	0–20 Open (wheel slot 1) 21–40 Closed 41–60 Open 2 61–80 Linear 81–100 Ramp Up 101–120 Ramp Down 121–140 Ramp Up/Down 141–160 Random 161–180 Lightning 181–200 Spikes 201–255 Open 3
40	Strobe Duration	0	0–254 20ms 255–255 1s
41	Strobe Frequency	0	0–254 0_3 Hz (wheel slot 5) 255–255 25 Hz
42	Dimmer	0	0–254 0% 255–255 100%
43	Shutter / Strobe	0	0–5 Open 6–15 Closed (wheel slot 1) 16–114 Linear strobe · Linear Slow 1–24.8 Hz 115–115 Linear strobe · Linear Fast 25 Hz 116–120 Open 2 (wheel slot 1) 121–150 Random · Rndm Slow 1–8.82 Hz 151–180 Random · Rndm Med 9.09–16.9 Hz 181–210 Random · Rndm Fast 17.2–25 Hz 211–215 StShape Master when dimmer@0 216–220 StShape Slave when dimmer@0 221–255 Open 3 (wheel slot 1)
44	Dimmer	0	0–254 0% 255–255 100%
45	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
46	Shape Selection	0	
47	Shape Index Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
48	Shape Fade	0	0–5 OFF (wheel slot 1) 6–130 Fade (wheel slot 1) 131–255 Wake

Advanced (continued)

Ch	Function	Default	DMX values
49	Shutter / Strobe	0	0–10 Open 11–20 Closed (wheel slot 1) 21–30 Open 2 31–129 Linear strobe · Linear Slow 1–24.8 Hz 130–130 Linear strobe · Linear Fast 25 Hz 131–140 Pixels Master when dimmer@0 141–150 Pixels Slave when dimmer@0 151–255 Open 3 (wheel slot 1)
50	Dimmer	0	0–254 0% 255–255 100%