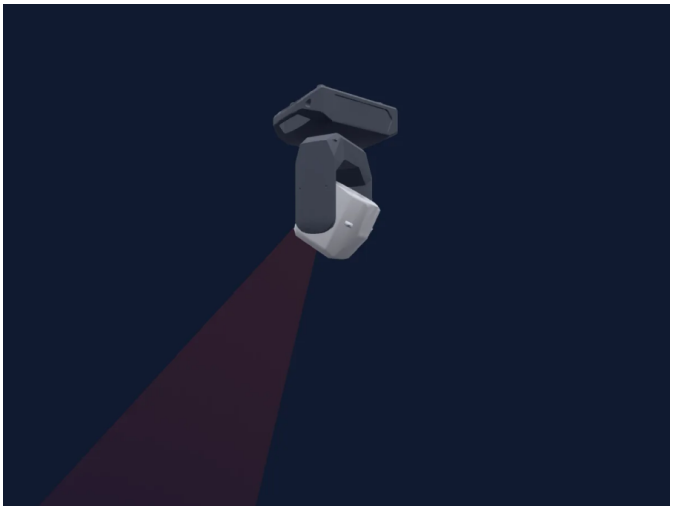
Cameo

Azor W2



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**9**
DMX footprint	**18, 19, 23, 34, 36, 43, 44, 54 channels**
Beam angle	**5-55°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**3**
Size (W × H × D)	**195 × 180 × 160 mm**
GDTF fixture type	**F02E5BE4-BCFB-4AA4-A947-50…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

18-CH Mode HSI Wash	18 ch
18-CH Mode RGBL Wash 8Bit	18 ch
19CH Mode RGBL Effect	19 ch
23-CH Mode RGBL Wash	23 ch
34-CH HSI Pattern	34 ch
36CH RGB Pixel	36 ch
43CH RGBL Pixel	43 ch
44CH RGBL Pattern	44 ch
54CH Full Access	54 ch

18-CH Mode HSI Wash

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.5–1.86 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.5–1.86 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–… 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 2 Hz 129–249 Linear strobe · 1-20 Hz 2.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	0–22 red 23–83 yellow 84–134 green 135–164 cyan 165–237 blue 238–254 magenta 255–255 red
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 CCT 255–255 hue
11	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
12	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

18-CH Mode HSI Wash (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
14	Dimmer	0	
15	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
16	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
17	Zoom Fine	127	Fine byte of Zoom
18	Control1	0	

18-CH Mode RGBL Wash 8Bit

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	

18-CH Mode RGBL Wash 8Bit (continued)

Ch	Function	Default	DMX values
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–… 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	255	
12	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
13	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

18-CH Mode RGBL Wash 8Bit (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
15	Dimmer	0	
16	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
17	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
18	Control1	0	

19CH Mode RGBL Effect

19 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer

19CH Mode RGBL Effect (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–… 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add GY	255	
12	Dimmer	0	
13	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open

19CH Mode RGBL Effect (continued)

Ch	Function	Default	DMX values
14	Pattern	0	0–5 Off 6–26 1 27–47 2 48–68 3 69–89 4 90–110 5 111–131 6 132–152 7 153–173 8 174–194 9 195–215 10 216–236 11 237–255 12
15	Pattern Speed	0	0–5 Stop 6–63 slow to fast Chase 64–127 fast to slow Chase backwards 128–191 slow to fast Fade 192–255 fast to slow Fade backwards
16	Pattern	0	0–5 Off 6–9 1 10–13 2 14–17 3 18–21 4 22–25 5 26–29 6 30–33 7 34–37 8 38–41 9 42–45 10 46–201 11 to 49 202–255 50
17	Pattern Speed	0	0–5 Stop 6–127 slow to fast 128–255 fast to slow backwards
18	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
19	Control1	0	

23-CH Mode RGBL Wash

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer

23-CH Mode RGBL Wash (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–… 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
17	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

23-CH Mode RGBL Wash (continued)

Ch	Function	Default	DMX values
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
19	Dimmer	0	
20	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Zoom Fine	127	Fine byte of Zoom
23	Control1	0	

34-CH HSI Pattern

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	

34-CH HSI Pattern (continued)

Ch	Function	Default	DMX values
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.5–1.86 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.5–1.86 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–... 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 2 Hz 129–249 Linear strobe · 1-20 Hz 2.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	H SBHue	0	0–22 red 23–83 yellow 84–134 green 135–164 cyan 165–237 blue 238–254 magenta 255–255 red
9	H SBHue Fine	0	Fine byte of H SBHue
10	H SBSaturation	0	0–254 CCT 255–255 hue
11	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
12	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

34-CH HSI Pattern (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
14	Dimmer	0	
15	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
16	Pattern	0	0–5 Off 6–26 1 27–47 2 48–68 3 69–89 4 90–110 5 111–131 6 132–152 7 153–173 8 174–194 9 195–215 10 216–236 11 237–255 12
17	Pattern Speed	0	0–5 Stop 6–63 slow to fast Chase 64–127 fast to slow Chase backwards 128–191 slow to fast Fade 192–255 fast to slow Fade backwards

34-CH HSI Pattern (continued)

Ch	Function	Default	DMX values
18	Pattern Folder	0	0–5 off 6–64 Static Pattern 1 65–128 Static Pattern 2 129–255 Effct Pattern 1
19	Pattern	0	0–5 Off 6–9 1 10–13 2 14–17 3 18–21 4 22–25 5 26–29 6 30–33 7 34–37 8 38–41 9 42–45 10 46–201 11 to 49 202–255 50
20	Pattern Speed	0	0–5 Stop 6–63 slow to fast Chase 64–127 fast to slow Chase backwards 128–191 slow to fast Fade 192–255 fast to slow Fade backwards
21	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
22	Pattern Fade	0	0–5 off 6–127 Fade 0-100% 128–255 Wake 0-100%
23	Dimmer	0	
24	Dimmer Fine	0	Fine byte of Dimmer
25	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
26	H SBHue	0	0–22 red 23–83 yellow 84–134 green 135–164 cyan 165–237 blue 238–254 magenta 255–255 red
27	H SBHue Fine	0	Fine byte of H SBHue

34-CH HSI Pattern (continued)

Ch	Function	Default	DMX values
28	H SBSaturation	0	0–254 CCT 255–255 hue
29	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
30	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green
31	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
32	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
33	Zoom Fine	127	Fine byte of Zoom
34	Control1	0	

36CH RGB Pixel

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer

36CH RGB Pixel (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–… 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Dimmer	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
13	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
14	Zoom Fine	127	Fine byte of Zoom
15	Control1	0	
16	Red	255	
17	Green	255	
18	Blue	255	
19	Reserved 19	0	
20	Reserved 20	0	

36CH RGB Pixel (continued)

Ch	Function	Default	DMX values
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Red	255	
35	Green	255	
36	Blue	255	

43CH RGBL Pixel

43 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–... 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Dimmer	0	
9	Reserved 9	0	
10	Reserved 10	0	

43CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
11	Reserved 11	0	
12	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
13	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
14	Zoom Fine	127	Fine byte of Zoom
15	Control1	0	
16	Red	255	
17	Green	255	
18	Blue	255	
19	Color Add GY	255	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	

43CH RGBL Pixel (continued)

Ch	Function	Default	DMX values
40	Red	255	
41	Green	255	
42	Blue	255	
43	Color Add GY	255	

44CH RGBL Pattern

44 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.5–1.86 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.5–1.86 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–... 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 2 Hz 129–249 Linear strobe · 1-20 Hz 2.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY

44CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
16	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
17	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
19	Dimmer	0	
20	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0… 127–127 Break effect strobe · 1s short burst with break 0.5 … 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open

44CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
21	Pattern	0	0–5 Off 6–26 1 27–47 2 48–68 3 69–89 4 90–110 5 111–131 6 132–152 7 153–173 8 174–194 9 195–215 10 216–236 11 237–255 12
22	Pattern Speed	0	0–5 Stop 6–63 slow to fast Chase 64–127 fast to slow Chase backwards 128–191 slow to fast Fade 192–255 fast to slow Fade backwards
23	Pattern Folder	0	0–5 off 6–64 Static Pattern 1 65–128 Static Pattern 2 129–255 Effct Pattern 1
24	Pattern	0	0–5 Off 6–9 1 10–13 2 14–17 3 18–21 4 22–25 5 26–29 6 30–33 7 34–37 8 38–41 9 42–45 10 46–201 11 to 49 202–255 50
25	Pattern Speed	0	0–5 Stop 6–63 slow to fast Chase 64–127 fast to slow Chase backwards 128–191 slow to fast Fade 192–255 fast to slow Fade backwards
26	Pattern Transition	0	0–5 Stop 6–255 1/10s - 5s
27	Pattern Fade	0	0–5 off 6–127 Fade 0-100% 128–255 Wake 0-100%
28	Dimmer	0	
29	Dimmer Fine	0	Fine byte of Dimmer

44CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
30	Shutter1Strobe	0	0–9 open 10–10 closed 11–21 slow 22–22 fast 23–32 slow 33–33 fast 34–44 slow 45–45 fast 46–55 slow 56–56 fast 57–67 slow 68–68 fast 69–78 slow 79–79 fast 80–101 slow 102–102 fast 103–126 5s short burst with break 127–127 1s short burst with break 128–128 Slow 1Hz 129–249 1-20 Hz 250–250 Fast 20Hz 251–255 open
31	Red	255	
32	Red Fine	255	Fine byte of Red
33	Green	255	
34	Green Fine	255	Fine byte of Green
35	Blue	255	
36	Blue Fine	255	Fine byte of Blue
37	Color Add GY	255	
38	Color Add GY Fine	255	Fine byte of Color Add GY
39	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
40	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green

44CH RGBL Pattern (continued)

Ch	Function	Default	DMX values
41	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
42	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
43	Zoom Fine	127	Fine byte of Zoom
44	Control1	0	

54CH Full Access

54 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.5–1.86 Hz 22–22 Ramp up/down strobe · fast 2 Hz 23–32 Ramp up/down random · slow 1–1.9 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 1–3.73 Hz 45–45 Ramp up strobe · fast 4 Hz 46–55 Ramp up random · slow 0.5–1.85 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 1–3.73 Hz 68–68 Ramp down strobe · fast 4 Hz 69–78 Ramp down random · slow 0.5–1.85 Hz 79–79 Ramp down random · fast 2 Hz 80–101 Random Strobe effect · slow 0.5–3.84 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.5–... 127–127 Break effect strobe · 1s short burst with break 2 Hz 128–128 Linear strobe · Slow 1Hz 0.5 Hz 129–249 Linear strobe · 1-20 Hz 0.619–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open

54CH Full Access (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	C TC	0	0–5 Off 6–6 2200K 7–46 2200K white to 2700K 47–47 Bulb White (2700K) 48–87 2700K to 3200K 88–88 Halogen White (3200K) 89–128 3200K to 4000K 129–129 Neutral White (4000K) 130–169 4000K to 5600K 170–170 Studio White (5600K) 171–210 5600K to 6500K 211–211 Daylight White (6500K) 212–254 6500K to 6800K 255–255 6800K
17	Tint	128	0–127 Linear tint from magenta to neutral 128–128 Neutral 129–255 Linear tint from neutral to green
18	Color Wheel	0	0–5 No function (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Orange (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm White (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold White (wheel slot 16) 126–127 Color Jumping stop 128–164 Color Jumping speed slow -> fast 165–201 Color Fading speed slow -> fast 202–255 No function
19	Dimmer	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	

54CH Full Access (continued)

Ch	Function	Default	DMX values
23	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Ramp up/down strobe · slow 0.05–0.914 Hz 22–22 Ramp up/down strobe · fast 1 Hz 23–32 Ramp up/down random · slow 0.1–1.81 Hz 33–33 Ramp up/down random · fast 2 Hz 34–44 Ramp up strobe · slow 0.1–0.918 Hz 45–45 Ramp up strobe · fast 1 Hz 46–55 Ramp up random · slow 0.1–0.91 Hz 56–56 Ramp up random · fast 1 Hz 57–67 Ramp down strobe · slow 0.05–1.82 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.1–0.91 Hz 79–79 Ramp down random · fast 1 Hz 80–101 Random Strobe effect · slow 0.2–3.83 Hz 102–102 Random Strobe effect · fast 4 Hz 103–126 Break effect strobe · 5s short burst with break 0.0... 127–127 Break effect strobe · 1s short burst with break 0.5 ... 128–128 Linear strobe · Slow 1Hz 1 Hz 129–249 Linear strobe · 1-20 Hz 1.11–14.9 Hz 250–250 Linear strobe · Fast 20Hz 15 Hz 251–255 open
24	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
25	Zoom Fine	127	Fine byte of Zoom
26	Control1	0	
27	Red	255	
28	Green	255	
29	Blue	255	
30	Color Add GY	255	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Red	255	

54CH Full Access (continued)

Ch	Function	Default	DMX values
52	Green	255	
53	Blue	255	
54	Color Add GY	255	