Martin Professional

VDO Atomic Bold



Manufacturer	**Martin Professional**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**1, 3, 4, 10, 27, 30 channels**
Beam angle	**12-110°**
Pan range	**360°**
Tilt range	**360°**
Size (W × H × D)	**283 × 156 × 283 mm**
GDTF fixture type	**3D554594-1628-4EFA-BA90-FD…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

1 Channel	1 ch
3 Channel	3 ch
4 Channel	4 ch
Compact	10 ch
Basic	27 ch
Extended	30 ch

1 Channel

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open

3 Channel

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
2	Strobe Duration	255	0–254 Short 255–255 Long
3	Strobe Frequency	255	0–254 Slow 255–255 Fast

4 Channel

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
2	Strobe Duration	255	0–254 Short 255–255 Long
3	Strobe Frequency	255	0–254 Slow 255–255 Fast
4	Strobe Effects	0	0–5 No Effect 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up Down 129–171 Random 172–214 Lightning 215–255 Spikes

Compact

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Compact (continued)

Ch	Function	Default	DMX values
4	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
6	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
10	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Basic

27 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	255	0–254 Short 255–255 Long
4	Strobe Frequency	255	0–254 Slow 255–255 Fast
5	Strobe Effects	0	0–5 No Effect 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up Down 129–171 Random 172–214 Lightning 215–255 Spikes
6	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Basic (continued)

Ch	Function	Default	DMX values
7	Color RGBRed Fine	255	Fine byte of Color RGBRed
8	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Color RGBGreen Fine	255	Fine byte of Color RGBGreen
10	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	Color RGBBlue Fine	255	Fine byte of Color RGBBlue
12	C TC	0	

Basic (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–10 Open (wheel slot 1) 11–12 Moroccan Pink (wheel slot 2) 13–14 Pink (wheel slot 3) 15–16 Special Rose Pink (wheel slot 4) 17–18 Follies Pink (wheel slot 5) 19–20 Fuchsia Pink (wheel slot 6) 21–22 Surprise Pink (wheel slot 7) 23–24 Congo Blue (wheel slot 8) 25–26 Tokyo Blue (wheel slot 9) 27–28 Deep Blue (wheel slot 10) 29–30 Just Blue (wheel slot 11) 31–32 Medium Blue (wheel slot 12) 33–34 Double CT Blue (wheel slot 13) 35–36 Slate Blue (wheel slot 14) 37–38 Full CT Blue (wheel slot 15) 39–40 Half CT Blue (wheel slot 16) 41–42 Steel Blue (wheel slot 17) 43–44 Lighter Blue (wheel slot 18) 45–46 Light Blue (wheel slot 19) 47–48 Medium Blue Green (wheel slot 20) 49–50 Dark Green (wheel slot 21) 51–52 Primary Green (wheel slot 22) 53–54 Moss Green (wheel slot 23) 55–56 Fern Green (wheel slot 24) 57–58 Jas Green (wheel slot 25) 59–60 Lime Green (wheel slot 26) 61–62 Spring Yellow (wheel slot 27) 63–64 Deep Amber (wheel slot 28) 65–66 Chrome Orange (wheel slot 29) 67–68 Orange (wheel slot 30) 69–70 Gold Amber (wheel slot 31) 71–72 Millennium Gold (wheel slot 32) 73–74 Deep Golden Amber (wheel slot 33) 75–76 Flame Red (wheel slot 34) 77–78 Red Magenta (wheel slot 35) 79–80 Medium Lavender (wheel slot 36) 81–82 Pure White (wheel slot 37) 83–84 Pure Red (wheel slot 38) 85–86 Pure Yellow (wheel slot 39) 87–88 Pure Green (wheel slot 40) 89–90 Pure Cyan (wheel slot 41) 91–92 Pure Blue (wheel slot 42) 93–94 Pure Magenta (wheel slot 43) 95–96 Peacock Blue (wheel slot 44) 97–98 Dark Lavender (wheel slot 45) 99–100 Double CT Orange (wheel slot 46) 101–102 Full CT Orange (wheel slot 47) 103–104 Half CT Orange (wheel slot 48) 105–106 Deep Straw (wheel slot 49) 107–190 NoFeature 191–202 CW Max 203–213 CW Med 214–214 CW Min 215–219 Stop 220–230 CCW Min 231–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Basic (continued)

Ch	Function	Default	DMX values
14	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode
15	Control1	0	0–9 Idle 10–14 Reset Entire Fixture (5s) 15–22 No Function 1 23–23 Linear (1s) 24–24 Square Law (1s) 25–25 Inverse Square Law (1s) 26–26 S-Curve (1s) 27–35 No Function 2 36–36 Enable (1s) 37–37 Disable (1s) 38–38 Extended Gamut (1s) 39–39 Calibrated Color (1s) 40–53 No Function 3 54–54 Regulated (1s) 55–55 Constant Full (1s) 56–56 Constant Medium (1s) 57–57 Constant Low (1s) 58–58 Constant Ultra Low (1s) 59–59 LED (1s) 60–60 Xenon (1s) 61–73 No Function 4 74–74 Record Current Look (5s) 75–75 Offline Run Stand-Alone Show (5s) 76–76 Offline Hold Last Look (5s) 77–255 No Function 5

Basic (continued)

Ch	Function	Default	DMX values
16	Effect	0	0–0 No Effect 1–1 Beam Wave 2–2 Beam Step 3–3 Beam Pulse 4–4 Beam Blackout Strobe 5–5 Beam 2x Strobe 6–6 Beam 3x Strobe 7–7 Beam 4x Strobe 8–8 Beam Up Down Flash 9–9 Beam Up Down Flash BiColor 10–10 Beam Up Flash Down Flash 11–11 Beam Up Flash Down Flash BiColor 12–12 Beam Random Levels 13–13 Beam Movie Flicker 14–14 Beam Atomic Lighting 15–15 Beam Thunderstorm 16–16 Beam HouseLight 17–17 Beam Threshold Strobe 18–18 Beam Threshold On 19–47 No Function 1 48–48 Beam Rainbow Wave 49–49 Beam Rainbow Step 50–50 Beam Rainbow Pulse 51–51 Beam RGB Wave 52–52 Beam RGB Step 53–53 Beam RGB Pulse 54–54 Beam CMY Wave 55–55 Beam CMY Step 56–56 Beam CMY Pulse 57–57 Beam Random Wave 58–58 Beam Random Step 59–59 Beam Random Pulse 60–60 Beam Spectrum Shifter 61–61 Beam Dual Color Flip 62–62 Beam RedWhiteBlue Fade 63–63 Beam RedWhiteBlue Snap 64–64 Beam Fire 65–65 Beam Water 66–66 Beam Swimming Pool 67–67 Beam Ice 68–68 Beam Hot and Cold 69–69 Beam Warm and Fuzzy 70–70 Beam Silver and Gold 71–71 Beam Gold and Silver 72–72 Beam Electric Arc 73–73 Beam Plasma 74–95 No Function 2 96–96 Backlight Wave 97–97 Backlight Step 98–98 Backlight Pulse 99–99 Backlight Blackout Strobe 100–100 Backlight 2x Strobe 101–101 Backlight 3x Strobe 102–102 Backlight 4x Strobe 103–103 Backlight Up Down Flash 104–104 Backlight Up Down Flash BiColor 105–105 Backlight Up Flash Down Flash 106–106 Backlight Up Flash Down Flash BiColor 107–107 Backlight Random Levels 108–108 Backlight Sparkle Stars 109–109 Backlight Sparkle Stars Heavy 110–110 Backlight Starfield 111–111 Backlight Fiberoptic 112–112 Backlight PixelKiller

Basic (continued)

Ch	Function	Default	DMX values
17	Effect Speed	192	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–127 Stop 128–128 3000 Hz 129–129 No Function 1 130–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max
18	Effects Sync	36	0–0 No Sync 1–1 Fixture Offset 10deg 2–2 Fixture Offset 20deg 3–3 Fixture Offset 30deg 4–4 Fixture Offset 40deg 5–5 Fixture Offset 50deg 6–6 Fixture Offset 60deg 7–7 Fixture Offset 70deg 8–8 Fixture Offset 80deg 9–9 Fixture Offset 90deg 10–10 Fixture Offset 100deg 11–11 Fixture Offset 110deg 12–12 Fixture Offset 120deg 13–13 Fixture Offset 130deg 14–14 Fixture Offset 140deg 15–15 Fixture Offset 150deg 16–16 Fixture Offset 160deg 17–17 Fixture Offset 170deg 18–18 Fixture Offset 180deg 19–19 Fixture Offset 190deg 20–20 Fixture Offset 200deg 21–21 Fixture Offset 210deg 22–22 Fixture Offset 220deg 23–23 Fixture Offset 230deg 24–24 Fixtrue Offset 240deg 25–25 Fixture Offset 250deg 26–26 Fixture Offset 260deg 27–27 Fixture Offset 270deg 28–28 Fixture Offset 280deg 29–29 Fixture Offset 290deg 30–30 Fixture Offset 300deg 31–31 Fixture Offset 310deg 32–32 Fixture Offset 320deg 33–33 Fixture Offset 330deg 34–34 Fixture Offset 340deg 35–35 Fixture Offset 350deg 36–100 Synchronized 101–120 Random Start 121–255 Random Duration
19	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 1–10.4 Hz 125–199 Strobe · Medium 10.5–19.9 Hz 200–200 Strobe · Fast 20 Hz 201–210 Open 211–232 Strobe Random · Slow 0.25–2.52 Hz 233–254 Strobe Random · Medium 2.63–4.89 Hz 255–255 Strobe Random · Fast 5 Hz
20	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open

Basic (continued)

Ch	Function	Default	DMX values
21	Dimmer Fine	0	Fine byte of Dimmer
22	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
23	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
24	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
25	C TC	0	

Basic (continued)

Ch	Function	Default	DMX values
26	Color Wheel 2	0	0–10 Open (wheel slot 1) 11–12 Moroccan Pink (wheel slot 2) 13–14 Pink (wheel slot 3) 15–16 Special Rose Pink (wheel slot 4) 17–18 Follies Pink (wheel slot 5) 19–20 Fuchsia Pink (wheel slot 6) 21–22 Surprise Pink (wheel slot 7) 23–24 Congo Blue (wheel slot 8) 25–26 Tokyo Blue (wheel slot 9) 27–28 Deep Blue (wheel slot 10) 29–30 Just Blue (wheel slot 11) 31–32 Medium Blue (wheel slot 12) 33–34 Double CT Blue (wheel slot 13) 35–36 Slate Blue (wheel slot 14) 37–38 Full CT Blue (wheel slot 15) 39–40 Half CT Blue (wheel slot 16) 41–42 Steel Blue (wheel slot 17) 43–44 Lighter Blue (wheel slot 18) 45–46 Light Blue (wheel slot 19) 47–48 Medium Blue Green (wheel slot 20) 49–50 Dark Green (wheel slot 21) 51–52 Primary Green (wheel slot 22) 53–54 Moss Green (wheel slot 23) 55–56 Fern Green (wheel slot 24) 57–58 Jas Green (wheel slot 25) 59–60 Lime Green (wheel slot 26) 61–62 Spring Yellow (wheel slot 27) 63–64 Deep Amber (wheel slot 28) 65–66 Chrome Orange (wheel slot 29) 67–68 Orange (wheel slot 30) 69–70 Gold Amber (wheel slot 31) 71–72 Millennium Gold (wheel slot 32) 73–74 Deep Golden Amber (wheel slot 33) 75–76 Flame Red (wheel slot 34) 77–78 Red Magenta (wheel slot 35) 79–80 Medium Lavender (wheel slot 36) 81–82 Pure White (wheel slot 37) 83–84 Pure Red (wheel slot 38) 85–86 Pure Yellow (wheel slot 39) 87–88 Pure Green (wheel slot 40) 89–90 Pure Cyan (wheel slot 41) 91–92 Pure Blue (wheel slot 42) 93–94 Pure Magenta (wheel slot 43) 95–96 Peacock Blue (wheel slot 44) 97–98 Dark Lavender (wheel slot 45) 99–100 Double CT Orange (wheel slot 46) 101–102 Full CT Orange (wheel slot 47) 103–104 Half CT Orange (wheel slot 48) 105–106 Deep Straw (wheel slot 49) 107–190 NoFeature 191–202 CW Max 203–213 CW Med 214–214 CW Min 215–219 Stop 220–230 CCW Min 231–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Basic (continued)

Ch	Function	Default	DMX values
27	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode

Extended

30 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Strobe Duration	255	0–254 Short 255–255 Long
4	Strobe Frequency	255	0–254 Slow 255–255 Fast
5	Strobe Effects	0	0–5 No Effect 6–42 Ramp Up 43–85 Ramp Down 86–128 Ramp Up Down 129–171 Random 172–214 Lightning 215–255 Spikes
6	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Color RGBRed Fine	255	Fine byte of Color RGBRed
8	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Color RGBGreen Fine	255	Fine byte of Color RGBGreen
10	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	Color RGBBlue Fine	255	Fine byte of Color RGBBlue
12	C TC	0	

Extended (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–10 Open (wheel slot 1) 11–12 Moroccan Pink (wheel slot 2) 13–14 Pink (wheel slot 3) 15–16 Special Rose Pink (wheel slot 4) 17–18 Follies Pink (wheel slot 5) 19–20 Fuchsia Pink (wheel slot 6) 21–22 Surprise Pink (wheel slot 7) 23–24 Congo Blue (wheel slot 8) 25–26 Tokyo Blue (wheel slot 9) 27–28 Deep Blue (wheel slot 10) 29–30 Just Blue (wheel slot 11) 31–32 Medium Blue (wheel slot 12) 33–34 Double CT Blue (wheel slot 13) 35–36 Slate Blue (wheel slot 14) 37–38 Full CT Blue (wheel slot 15) 39–40 Half CT Blue (wheel slot 16) 41–42 Steel Blue (wheel slot 17) 43–44 Lighter Blue (wheel slot 18) 45–46 Light Blue (wheel slot 19) 47–48 Medium Blue Green (wheel slot 20) 49–50 Dark Green (wheel slot 21) 51–52 Primary Green (wheel slot 22) 53–54 Moss Green (wheel slot 23) 55–56 Fern Green (wheel slot 24) 57–58 Jas Green (wheel slot 25) 59–60 Lime Green (wheel slot 26) 61–62 Spring Yellow (wheel slot 27) 63–64 Deep Amber (wheel slot 28) 65–66 Chrome Orange (wheel slot 29) 67–68 Orange (wheel slot 30) 69–70 Gold Amber (wheel slot 31) 71–72 Millennium Gold (wheel slot 32) 73–74 Deep Golden Amber (wheel slot 33) 75–76 Flame Red (wheel slot 34) 77–78 Red Magenta (wheel slot 35) 79–80 Medium Lavender (wheel slot 36) 81–82 Pure White (wheel slot 37) 83–84 Pure Red (wheel slot 38) 85–86 Pure Yellow (wheel slot 39) 87–88 Pure Green (wheel slot 40) 89–90 Pure Cyan (wheel slot 41) 91–92 Pure Blue (wheel slot 42) 93–94 Pure Magenta (wheel slot 43) 95–96 Peacock Blue (wheel slot 44) 97–98 Dark Lavender (wheel slot 45) 99–100 Double CT Orange (wheel slot 46) 101–102 Full CT Orange (wheel slot 47) 103–104 Half CT Orange (wheel slot 48) 105–106 Deep Straw (wheel slot 49) 107–190 NoFeature 191–202 CW Max 203–213 CW Med 214–214 CW Min 215–219 Stop 220–230 CCW Min 231–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Extended (continued)

Ch	Function	Default	DMX values
14	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode
15	Control1	0	0–9 Idle 10–14 Reset Entire Fixture (5s) 15–22 No Function 1 23–23 Linear (1s) 24–24 Square Law (1s) 25–25 Inverse Square Law (1s) 26–26 S-Curve (1s) 27–35 No Function 2 36–36 Enable (1s) 37–37 Disable (1s) 38–38 Extended Gamut (1s) 39–39 Calibrated Color (1s) 40–53 No Function 3 54–54 Regulated (1s) 55–55 Constant Full (1s) 56–56 Constant Medium (1s) 57–57 Constant Low (1s) 58–58 Constant Ultra Low (1s) 59–59 LED (1s) 60–60 Xenon (1s) 61–73 No Function 4 74–74 Record Current Look (5s) 75–75 Offline Run Stand-Alone Show (5s) 76–76 Offline Hold Last Look (5s) 77–255 No Function 5

Extended (continued)

Ch	Function	Default	DMX values
16	Effect	0	0–0 No Effect 1–1 Beam Wave 2–2 Beam Step 3–3 Beam Pulse 4–4 Beam Blackout Strobe 5–5 Beam 2x Strobe 6–6 Beam 3x Strobe 7–7 Beam 4x Strobe 8–8 Beam Up Down Flash 9–9 Beam Up Down Flash BiColor 10–10 Beam Up Flash Down Flash 11–11 Beam Up Flash Down Flash BiColor 12–12 Beam Random Levels 13–13 Beam Movie Flicker 14–14 Beam Atomic Lighting 15–15 Beam Thunderstorm 16–16 Beam HouseLight 17–17 Beam Threshold Strobe 18–18 Beam Threshold On 19–47 No Function 1 48–48 Beam Rainbow Wave 49–49 Beam Rainbow Step 50–50 Beam Rainbow Pulse 51–51 Beam RGB Wave 52–52 Beam RGB Step 53–53 Beam RGB Pulse 54–54 Beam CMY Wave 55–55 Beam CMY Step 56–56 Beam CMY Pulse 57–57 Beam Random Wave 58–58 Beam Random Step 59–59 Beam Random Pulse 60–60 Beam Spectrum Shifter 61–61 Beam Dual Color Flip 62–62 Beam RedWhiteBlue Fade 63–63 Beam RedWhiteBlue Snap 64–64 Beam Fire 65–65 Beam Water 66–66 Beam Swimming Pool 67–67 Beam Ice 68–68 Beam Hot and Cold 69–69 Beam Warm and Fuzzy 70–70 Beam Silver and Gold 71–71 Beam Gold and Silver 72–72 Beam Electric Arc 73–73 Beam Plasma 74–95 No Function 2 96–96 Backlight Wave 97–97 Backlight Step 98–98 Backlight Pulse 99–99 Backlight Blackout Strobe 100–100 Backlight 2x Strobe 101–101 Backlight 3x Strobe 102–102 Backlight 4x Strobe 103–103 Backlight Up Down Flash 104–104 Backlight Up Down Flash BiColor 105–105 Backlight Up Flash Down Flash 106–106 Backlight Up Flash Down Flash BiColor 107–107 Backlight Random Levels 108–108 Backlight Sparkle Stars 109–109 Backlight Sparkle Stars Heavy 110–110 Backlight Starfield 111–111 Backlight Fiberoptic 112–112 Backlight PixelKiller

Extended (continued)

Ch	Function	Default	DMX values
17	Effect Speed	192	0–63 Rev Max 64–125 Rev Med 126–126 Rev Min 127–127 Stop 128–128 3000 Hz 129–129 No Function 1 130–191 Fwd Min 192–254 Fwd Med 255–255 Fwd Max
18	Effects Sync	36	0–0 No Sync 1–1 Fixture Offset 10deg 2–2 Fixture Offset 20deg 3–3 Fixture Offset 30deg 4–4 Fixture Offset 40deg 5–5 Fixture Offset 50deg 6–6 Fixture Offset 60deg 7–7 Fixture Offset 70deg 8–8 Fixture Offset 80deg 9–9 Fixture Offset 90deg 10–10 Fixture Offset 100deg 11–11 Fixture Offset 110deg 12–12 Fixture Offset 120deg 13–13 Fixture Offset 130deg 14–14 Fixture Offset 140deg 15–15 Fixture Offset 150deg 16–16 Fixture Offset 160deg 17–17 Fixture Offset 170deg 18–18 Fixture Offset 180deg 19–19 Fixture Offset 190deg 20–20 Fixture Offset 200deg 21–21 Fixture Offset 210deg 22–22 Fixture Offset 220deg 23–23 Fixture Offset 230deg 24–24 Fixtrue Offset 240deg 25–25 Fixture Offset 250deg 26–26 Fixture Offset 260deg 27–27 Fixture Offset 270deg 28–28 Fixture Offset 280deg 29–29 Fixture Offset 290deg 30–30 Fixture Offset 300deg 31–31 Fixture Offset 310deg 32–32 Fixture Offset 320deg 33–33 Fixture Offset 330deg 34–34 Fixture Offset 340deg 35–35 Fixture Offset 350deg 36–100 Synchronized 101–120 Random Start 121–255 Random Duration
19	Shutter / Strobe	30	0–19 Closed 20–49 Open 50–124 Strobe · Slow 1–10.4 Hz 125–199 Strobe · Medium 10.5–19.9 Hz 200–200 Strobe · Fast 20 Hz 201–210 Open 211–232 Strobe Random · Slow 0.25–2.52 Hz 233–254 Strobe Random · Medium 2.63–4.89 Hz 255–255 Strobe Random · Fast 5 Hz
20	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open

Extended (continued)

Ch	Function	Default	DMX values
21	Dimmer Fine	0	Fine byte of Dimmer
22	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
23	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
24	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
25	C TC	0	

Extended (continued)

Ch	Function	Default	DMX values
26	Color Wheel 2	0	0–10 Open (wheel slot 1) 11–12 Moroccan Pink (wheel slot 2) 13–14 Pink (wheel slot 3) 15–16 Special Rose Pink (wheel slot 4) 17–18 Follies Pink (wheel slot 5) 19–20 Fuchsia Pink (wheel slot 6) 21–22 Surprise Pink (wheel slot 7) 23–24 Congo Blue (wheel slot 8) 25–26 Tokyo Blue (wheel slot 9) 27–28 Deep Blue (wheel slot 10) 29–30 Just Blue (wheel slot 11) 31–32 Medium Blue (wheel slot 12) 33–34 Double CT Blue (wheel slot 13) 35–36 Slate Blue (wheel slot 14) 37–38 Full CT Blue (wheel slot 15) 39–40 Half CT Blue (wheel slot 16) 41–42 Steel Blue (wheel slot 17) 43–44 Lighter Blue (wheel slot 18) 45–46 Light Blue (wheel slot 19) 47–48 Medium Blue Green (wheel slot 20) 49–50 Dark Green (wheel slot 21) 51–52 Primary Green (wheel slot 22) 53–54 Moss Green (wheel slot 23) 55–56 Fern Green (wheel slot 24) 57–58 Jas Green (wheel slot 25) 59–60 Lime Green (wheel slot 26) 61–62 Spring Yellow (wheel slot 27) 63–64 Deep Amber (wheel slot 28) 65–66 Chrome Orange (wheel slot 29) 67–68 Orange (wheel slot 30) 69–70 Gold Amber (wheel slot 31) 71–72 Millennium Gold (wheel slot 32) 73–74 Deep Golden Amber (wheel slot 33) 75–76 Flame Red (wheel slot 34) 77–78 Red Magenta (wheel slot 35) 79–80 Medium Lavender (wheel slot 36) 81–82 Pure White (wheel slot 37) 83–84 Pure Red (wheel slot 38) 85–86 Pure Yellow (wheel slot 39) 87–88 Pure Green (wheel slot 40) 89–90 Pure Cyan (wheel slot 41) 91–92 Pure Blue (wheel slot 42) 93–94 Pure Magenta (wheel slot 43) 95–96 Peacock Blue (wheel slot 44) 97–98 Dark Lavender (wheel slot 45) 99–100 Double CT Orange (wheel slot 46) 101–102 Full CT Orange (wheel slot 47) 103–104 Half CT Orange (wheel slot 48) 105–106 Deep Straw (wheel slot 49) 107–190 NoFeature 191–202 CW Max 203–213 CW Med 214–214 CW Min 215–219 Stop 220–230 CCW Min 231–242 CCW Med 243–243 CCW Max 244–248 Fast 249–254 Medium 255–255 Slow

Extended (continued)

Ch	Function	Default	DMX values
27	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode
28	Color RGBRed	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
29	Color RGBGreen	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
30	Color RGBBlue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max