Black Light Design

Martin MAC One



Manufacturer	**Black Light Design**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**20, 36 channels**
Beam angle	**4-19°**
Pan range	**540°**
Tilt range	**240°**
Heads / cells	**3**
Size (W × H × D)	**168 × 219 × 164 mm**
GDTF fixture type	**065B62DE-82E5-420D-9AD7-62…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

Compact	20 ch
Compact Direct	20 ch
Basic	36 ch
Ludicrous	36 ch

Compact

20 channels

Ch	Function	Default	DMX values
1	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
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Red Fine	255	Fine byte of Red
6	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Blue Fine	255	Fine byte of Blue
10	C TC	128	
11	Tint	128	0–62 -050 63–126 -025 127–190 0 191–254 +025 255–255 +050

Compact (continued)

Ch	Function	Default	DMX values
12	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

Compact (continued)

Ch	Function	Default	DMX values
13	Zoom	100	0–99 Narrow 100–199 Medium 200–212 Wide 213–224 Fwd Med 225–227 Fwd Min 228–229 Stop 230–242 Rev Min 243–254 Rev Med 255–255 Rev Max
14	Zoom Fine	100	Fine byte of Zoom
15	Pan	128	
16	Pan Fine	0	Fine byte of Pan
17	Tilt	128	
18	Tilt Fine	0	Fine byte of Tilt
19	Control1	0	
20	L EDFrequency	128	0–0 Hybrid 1–127 -2% 128–253 0% 254–254 +2% 255–255 No Function

Compact Direct

20 channels

Ch	Function	Default	DMX values
1	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
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Red Fine	255	Fine byte of Red
6	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Compact Direct (continued)

Ch	Function	Default	DMX values
9	Blue Fine	255	Fine byte of Blue
10	Color Add GY	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	Color Add GY Fine	255	Fine byte of Color Add GY
12	No Feature	0	
13	Zoom	100	0–99 Narrow 100–199 Medium 200–212 Wide 213–224 Fwd Med 225–227 Fwd Min 228–229 Stop 230–242 Rev Min 243–254 Rev Med 255–255 Rev Max
14	Zoom Fine	100	Fine byte of Zoom
15	Pan	128	
16	Pan Fine	0	Fine byte of Pan
17	Tilt	128	
18	Tilt Fine	0	Fine byte of Tilt
19	Control1	0	
20	L EDFrequency	128	0–0 Hybrid 1–127 -2% 128–253 0% 254–254 +2% 255–255 No Function

Basic

36 channels

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

Basic (continued)

Ch	Function	Default	DMX values
6	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Blue Fine	255	Fine byte of Blue
10	C TC	128	
11	Tint	128	0–62 -050 63–126 -025 127–190 0 191–254 +025 255–255 +050

Basic (continued)

Ch	Function	Default	DMX values
12	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
13	Zoom	100	0–99 Narrow 100–199 Medium 200–212 Wide 213–224 Fwd Med 225–227 Fwd Min 228–229 Stop 230–242 Rev Min 243–254 Rev Med 255–255 Rev Max
14	Zoom Fine	100	Fine byte of Zoom
15	Pan	128	
16	Pan Fine	0	Fine byte of Pan
17	Tilt	128	
18	Tilt Fine	0	Fine byte of Tilt
19	Control1	0	
20	L EDFrequency	128	0–0 Hybrid 1–127 -2% 128–253 0% 254–254 +2% 255–255 No Function
21	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode

Basic (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–0 No Effect 1–1 Beam Strobe Width 2–2 Beam Blackout Strobe 3–3 Beam 2x Strobe 4–4 Beam 3x Strobe 5–5 Beam 4x Strobe 6–6 Beam Up Down Flash 7–7 Beam Up Down Flash BiColor 8–8 Beam Up Flash Down Flash 9–9 Beam Up Flash Down Flash BiColor 10–10 Beam Random Levels 11–11 Beam Movie Flicker 12–12 Beam Atomic Lighting 13–13 Beam Thunderstorm 14–17 No Function 1 18–18 Beam RedWhiteBlue Step 19–19 Beam RedWhiteBlue Fade 20–20 Beam Fire 21–21 Beam Water 22–22 Beam Swimming Pool 23–23 Beam Ice 24–24 Beam Hot and Cold 25–25 Beam Warm and Fuzzy 26–26 Beam Silver and Gold 27–27 Beam Gold and Silver 28–28 Beam Electric Arc 29–29 Beam Plasma 30–33 No Function 2 34–34 Beam Spectrum Shift Static 35–35 Beam Spectrum Shift Step 36–36 Beam Spectrum Shift Fade 37–37 Beam Color Toggle Step 38–38 Beam Color Toggle Fade 39–42 No Function 3 43–43 Beam SloMo 44–47 No Function 4 48–48 Backlight Strobe Width 49–49 Backlight Blackout Strobe 50–50 Backlight 2x Strobe 51–51 Backlight 3x Strobe 52–52 Backlight 4x Strobe 53–53 Backlight Up Down Flash 54–54 Backlight Up Down Flash BiColor 55–55 Backlight Up Flash Down Flash 56–56 Backlight Up Flash Down Flash BiColor 57–57 Backlight Random Levels 58–58 Backlight Movie Flicker 59–59 Backlight Atomic Lighting 60–60 Backlight Thunderstorm 61–64 No Function 5 65–65 Backlight PixelKiller 66–66 Backlight Sparkle Stars 67–67 Backlight Sparkle Stars Heavy 68–68 Backlight Lightning Random 69–69 Backlight Lightning Random Heavy 70–70 Backlight Lightning LeftRight 71–71 Backlight Lightning TopBottom 72–72 Backlight Starfield 73–73 Backlight Fiberoptic 74–74 Backlight Noise 75–75 Backlight Build UpDown Step 76–76 Backlight Build UpDown Fade 77–77 Backlight Build UpDown Random Step 78–78 Backlight Build UpDown Random Fade

Basic (continued)

Ch	Function	Default	DMX values
23	Effect Speed	192	

Basic (continued)

Ch	Function	Default	DMX values
24	Effect 2	0	0–0 No Effect 1–1 Beam Strobe Width 2–2 Beam Blackout Strobe 3–3 Beam 2x Strobe 4–4 Beam 3x Strobe 5–5 Beam 4x Strobe 6–6 Beam Up Down Flash 7–7 Beam Up Down Flash BiColor 8–8 Beam Up Flash Down Flash 9–9 Beam Up Flash Down Flash BiColor 10–10 Beam Random Levels 11–11 Beam Movie Flicker 12–12 Beam Atomic Lighting 13–13 Beam Thunderstorm 14–17 No Function 1 18–18 Beam RedWhiteBlue Step 19–19 Beam RedWhiteBlue Fade 20–20 Beam Fire 21–21 Beam Water 22–22 Beam Swimming Pool 23–23 Beam Ice 24–24 Beam Hot and Cold 25–25 Beam Warm and Fuzzy 26–26 Beam Silver and Gold 27–27 Beam Gold and Silver 28–28 Beam Electric Arc 29–29 Beam Plasma 30–33 No Function 2 34–34 Beam Spectrum Shift Static 35–35 Beam Spectrum Shift Step 36–36 Beam Spectrum Shift Fade 37–37 Beam Color Toggle Step 38–38 Beam Color Toggle Fade 39–42 No Function 3 43–43 Beam SloMo 44–47 No Function 4 48–48 Backlight Strobe Width 49–49 Backlight Blackout Strobe 50–50 Backlight 2x Strobe 51–51 Backlight 3x Strobe 52–52 Backlight 4x Strobe 53–53 Backlight Up Down Flash 54–54 Backlight Up Down Flash BiColor 55–55 Backlight Up Flash Down Flash 56–56 Backlight Up Flash Down Flash BiColor 57–57 Backlight Random Levels 58–58 Backlight Movie Flicker 59–59 Backlight Atomic Lighting 60–60 Backlight Thunderstorm 61–64 No Function 5 65–65 Backlight PixelKiller 66–66 Backlight Sparkle Stars 67–67 Backlight Sparkle Stars Heavy 68–68 Backlight Lightning Random 69–69 Backlight Lightning Random Heavy 70–70 Backlight Lightning LeftRight 71–71 Backlight Lightning TopBottom 72–72 Backlight Starfield 73–73 Backlight Fiberoptic 74–74 Backlight Noise 75–75 Backlight Build UpDown Step 76–76 Backlight Build UpDown Fade 77–77 Backlight Build UpDown Random Step 78–78 Backlight Build UpDown Random Fade

Basic (continued)

Ch	Function	Default	DMX values
25	Effect Speed 2	192	
26	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
27	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
28	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer
30	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Basic (continued)

Ch	Function	Default	DMX values
31	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
32	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
33	C TC	128	
34	Tint	128	0–62 -050 63–126 -025 127–190 0 191–254 +025 255–255 +050

Basic (continued)

Ch	Function	Default	DMX values
35	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
36	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode

Ludicrous

36 channels

Ch	Function	Default	DMX values
1	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
2	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
3	Dimmer Fine	0	Fine byte of Dimmer
4	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
5	Red Fine	255	Fine byte of Red
6	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Blue Fine	255	Fine byte of Blue
10	C TC	128	
11	Tint	128	0–62 -050 63–126 -025 127–190 0 191–254 +025 255–255 +050

Ludicrous (continued)

Ch	Function	Default	DMX values
12	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

Ludicrous (continued)

Ch	Function	Default	DMX values
13	Zoom	100	0–99 Narrow 100–199 Medium 200–212 Wide 213–224 Fwd Med 225–227 Fwd Min 228–229 Stop 230–242 Rev Min 243–254 Rev Med 255–255 Rev Max
14	Zoom Fine	100	Fine byte of Zoom
15	Pan	128	
16	Pan Fine	0	Fine byte of Pan
17	Tilt	128	
18	Tilt Fine	0	Fine byte of Tilt
19	Control1	0	
20	L EDFrequency	128	0–0 Hybrid 1–127 -2% 128–253 0% 254–254 +2% 255–255 No Function
21	P3	27	0–26 DMX Mode 27–27 DMX 28–227 Mix 228–228 Video 229–255 Video Mode

Ludicrous (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–0 No Effect 1–1 Beam Strobe Width 2–2 Beam Blackout Strobe 3–3 Beam 2x Strobe 4–4 Beam 3x Strobe 5–5 Beam 4x Strobe 6–6 Beam Up Down Flash 7–7 Beam Up Down Flash BiColor 8–8 Beam Up Flash Down Flash 9–9 Beam Up Flash Down Flash BiColor 10–10 Beam Random Levels 11–11 Beam Movie Flicker 12–12 Beam Atomic Lighting 13–13 Beam Thunderstorm 14–17 No Function 1 18–18 Beam RedWhiteBlue Step 19–19 Beam RedWhiteBlue Fade 20–20 Beam Fire 21–21 Beam Water 22–22 Beam Swimming Pool 23–23 Beam Ice 24–24 Beam Hot and Cold 25–25 Beam Warm and Fuzzy 26–26 Beam Silver and Gold 27–27 Beam Gold and Silver 28–28 Beam Electric Arc 29–29 Beam Plasma 30–33 No Function 2 34–34 Beam Spectrum Shift Static 35–35 Beam Spectrum Shift Step 36–36 Beam Spectrum Shift Fade 37–37 Beam Color Toggle Step 38–38 Beam Color Toggle Fade 39–42 No Function 3 43–43 Beam SloMo 44–47 No Function 4 48–48 Backlight Strobe Width 49–49 Backlight Blackout Strobe 50–50 Backlight 2x Strobe 51–51 Backlight 3x Strobe 52–52 Backlight 4x Strobe 53–53 Backlight Up Down Flash 54–54 Backlight Up Down Flash BiColor 55–55 Backlight Up Flash Down Flash 56–56 Backlight Up Flash Down Flash BiColor 57–57 Backlight Random Levels 58–58 Backlight Movie Flicker 59–59 Backlight Atomic Lighting 60–60 Backlight Thunderstorm 61–64 No Function 5 65–65 Backlight PixelKiller 66–66 Backlight Sparkle Stars 67–67 Backlight Sparkle Stars Heavy 68–68 Backlight Lightning Random 69–69 Backlight Lightning Random Heavy 70–70 Backlight Lightning LeftRight 71–71 Backlight Lightning TopBottom 72–72 Backlight Starfield 73–73 Backlight Fiberoptic 74–74 Backlight Noise 75–75 Backlight Build UpDown Step 76–76 Backlight Build UpDown Fade 77–77 Backlight Build UpDown Random Step 78–78 Backlight Build UpDown Random Fade

Ludicrous (continued)

Ch	Function	Default	DMX values
23	Effect Speed	192	

Ludicrous (continued)

Ch	Function	Default	DMX values
24	Effect 2	0	0–0 No Effect 1–1 Beam Strobe Width 2–2 Beam Blackout Strobe 3–3 Beam 2x Strobe 4–4 Beam 3x Strobe 5–5 Beam 4x Strobe 6–6 Beam Up Down Flash 7–7 Beam Up Down Flash BiColor 8–8 Beam Up Flash Down Flash 9–9 Beam Up Flash Down Flash BiColor 10–10 Beam Random Levels 11–11 Beam Movie Flicker 12–12 Beam Atomic Lighting 13–13 Beam Thunderstorm 14–17 No Function 1 18–18 Beam RedWhiteBlue Step 19–19 Beam RedWhiteBlue Fade 20–20 Beam Fire 21–21 Beam Water 22–22 Beam Swimming Pool 23–23 Beam Ice 24–24 Beam Hot and Cold 25–25 Beam Warm and Fuzzy 26–26 Beam Silver and Gold 27–27 Beam Gold and Silver 28–28 Beam Electric Arc 29–29 Beam Plasma 30–33 No Function 2 34–34 Beam Spectrum Shift Static 35–35 Beam Spectrum Shift Step 36–36 Beam Spectrum Shift Fade 37–37 Beam Color Toggle Step 38–38 Beam Color Toggle Fade 39–42 No Function 3 43–43 Beam SloMo 44–47 No Function 4 48–48 Backlight Strobe Width 49–49 Backlight Blackout Strobe 50–50 Backlight 2x Strobe 51–51 Backlight 3x Strobe 52–52 Backlight 4x Strobe 53–53 Backlight Up Down Flash 54–54 Backlight Up Down Flash BiColor 55–55 Backlight Up Flash Down Flash 56–56 Backlight Up Flash Down Flash BiColor 57–57 Backlight Random Levels 58–58 Backlight Movie Flicker 59–59 Backlight Atomic Lighting 60–60 Backlight Thunderstorm 61–64 No Function 5 65–65 Backlight PixelKiller 66–66 Backlight Sparkle Stars 67–67 Backlight Sparkle Stars Heavy 68–68 Backlight Lightning Random 69–69 Backlight Lightning Random Heavy 70–70 Backlight Lightning LeftRight 71–71 Backlight Lightning TopBottom 72–72 Backlight Starfield 73–73 Backlight Fiberoptic 74–74 Backlight Noise 75–75 Backlight Build UpDown Step 76–76 Backlight Build UpDown Fade 77–77 Backlight Build UpDown Random Step 78–78 Backlight Build UpDown Random Fade

Ludicrous (continued)

Ch	Function	Default	DMX values
25	Effect Speed 2	192	
26	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
27	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
28	Dimmer	0	0–63 Closed 64–127 25% 128–191 50% 192–254 75% 255–255 Open
29	Dimmer Fine	0	Fine byte of Dimmer
30	Red	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max

Ludicrous (continued)

Ch	Function	Default	DMX values
31	Green	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
32	Blue	255	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
33	C TC	128	
34	Tint	128	0–62 -050 63–126 -025 127–190 0 191–254 +025 255–255 +050

Ludicrous (continued)

Ch	Function	Default	DMX values
35	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

Ludicrous (continued)

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