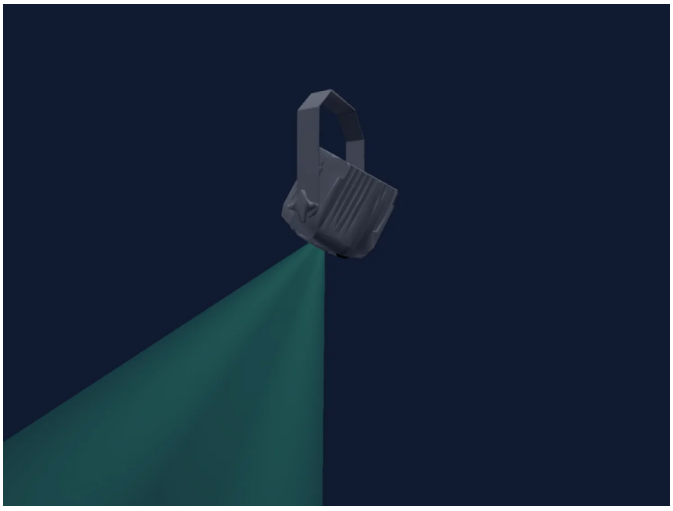
BeamZ Pro

Neutron Dot TM IP65



Manufacturer	**BeamZ Pro**
Type	**Blinder**
DMX modes	**14**
DMX footprint	**4, 7, 9, 11, 15, 18, 63 channels**
Beam angle	**23-90°**
Pan range	**300°**
Tilt range	**300°**
Size (W × H × D)	**133 × 112 × 133 mm**
GDTF fixture type	**88C4DED4-165F-4200-B18F-5E...**

Controls

RGB colour mixing · Effect speed · Strobe · Dimmer

Safety-relevant functions

Service functions · Built-in effect programmes

DMX modes

4 Ch	4 ch
52 Ch	7 ch
52 Ch + Virtual Dimmer P/T	7 ch
9 Ch	9 ch
9 Ch + Virtual P/T	9 ch
11 Ch	11 ch
11 Ch + Virtual P/T	11 ch
15 Ch	15 ch
15 Ch + Virtual P/T	15 ch
18 Ch	18 ch
18 Ch + Virtual P/T	18 ch
63 Ch	63 ch
63 Ch + Virtual Dimmer P/T	63 ch
63 Ch + Virtual P/T	63 ch

4 Ch

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Red	0	
3	Green	0	
4	Blue	0	

52 Ch

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
3	Dimmer	255	0–63 000 64–191 025 192–254 075 255–255 100
4	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Red	0	
6	Green	0	
7	Blue	0	

52 Ch + Virtual Dimmer P/T

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open

52 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
3	Dimmer	255	0–63 000 64–191 025 192–254 075 255–255 100
4	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Red	255	
6	Green	255	
7	Blue	255	

9 Ch

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
3	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
4	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
6	Red	255	
7	Green	255	
8	Blue	255	

9 Ch (continued)

Ch	Function	Default	DMX values
9	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

9 Ch + Virtual P/T

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
3	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
4	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
6	Red	255	
7	Green	255	
8	Blue	255	

9 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
9	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

11 Ch

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
4	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

11 Ch (continued)

Ch	Function	Default	DMX values
5	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
6	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
7	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
8	Red	255	
9	Green	255	
10	Blue	255	
11	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

11 Ch + Virtual P/T

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

11 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
4	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
5	Shutter / Strobe	0	0–5 Open 6–10 Close 11–70 Strobe Rate · 001 1–5.69 Hz 71–130 Strobe Rate · 025 5.77–10.5 Hz 131–190 Strobe Rate · 050 10.5–15.2 Hz 191–249 Strobe Rate · 075 15.3–19.9 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
6	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
7	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
8	Red	255	
9	Green	255	
10	Blue	255	
11	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

15 Ch

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–62 000 63–126 025 127–190 050 191–254 075 255–255 100
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open

15 Ch (continued)

Ch	Function	Default	DMX values
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	

15 Ch (continued)

Ch	Function	Default	DMX values
12	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001

15 Ch (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

15 Ch (continued)

Ch	Function	Default	DMX values
14	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
15	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

15 Ch + Virtual P/T

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–62 000 63–126 025 127–190 050 191–254 075 255–255 100
2	Dimmer Fine	0	Fine byte of Dimmer
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

15 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

15 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001

15 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

15 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
14	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
15	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

18 Ch

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

18 Ch (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

18 Ch (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
13	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

18 Ch (continued)

Ch	Function	Default	DMX values
14	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
15	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

18 Ch (continued)

Ch	Function	Default	DMX values
16	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

18 Ch (continued)

Ch	Function	Default	DMX values
17	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
18	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

18 Ch + Virtual P/T

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

18 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

18 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
13	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

18 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
14	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
15	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

18 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
16	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

18 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
17	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
18	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

63 Ch

63 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
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	

63 Ch (continued)

Ch	Function	Default	DMX values
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	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
58	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch (continued)

Ch	Function	Default	DMX values
59	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
60	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch (continued)

Ch	Function	Default	DMX values
61	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

63 Ch (continued)

Ch	Function	Default	DMX values
62	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
63	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

63 Ch + Virtual Dimmer P/T

63 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Dimmer	255	0–63 000 64–191 025 192–254 075 255–255 100
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
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	

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
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	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
58	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
59	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
60	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
61	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

63 Ch + Virtual Dimmer P/T (continued)

Ch	Function	Default	DMX values
62	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
63	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function

63 Ch + Virtual P/T

63 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
2	Dimmer	255	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
3	Dimmer Mode	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
4	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
5	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
7	Strobe Duration	6	0–5 No Function 6–66 001 67–127 025 128–188 050 189–249 075 250–250 100 251–255 No Function

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Close 11–14 Shutter1Strobe Pulse · 001 1–4 Hz 15–19 Shutter1Strobe Pulse · 050 5–9 Hz 20–20 Shutter1Strobe Pulse · 100 10 Hz 21–25 Shutter1Strobe Random Pulse · 001 1–4.27 Hz 26–30 Shutter1Strobe Random Pulse · 050 5.09–8.36 Hz 31–32 Shutter1Strobe Random Pulse · 100 9.18–10 Hz 33–38 Shutter1Strobe Pulse Open · 001 1–4.75 Hz 39–44 Shutter1Strobe Pulse Open · 050 5.5–9.25 Hz 45–45 Shutter1Strobe Pulse Open · 100 10 Hz 46–50 Shutter1Strobe Random Pulse Open · 001 1–4.6 Hz 51–55 Shutter1Strobe Random Pulse Open · 050 5.5–9.1 Hz 56–56 Shutter1Strobe Random Pulse Open · 100 10 Hz 57–62 Shutter1Strobe Pulse Close · 001 1–5.09 Hz 63–67 Shutter1Strobe Pulse Close · 050 5.91–9.18 Hz 68–68 Shutter1Strobe Pulse Close · 100 10 Hz 69–73 Shutter1Strobe Random Pulse Close · 001 1–4.6 Hz 74–78 Shutter1Strobe Random Pulse Close · 050 5.5–9.1 Hz 79–79 Shutter1Strobe Random Pulse Close · 100 10 Hz 80–90 Shutter1Strobe Random · 001 0–4.55 Hz 91–101 Shutter1Strobe Random · 050 5–9.55 Hz 102–102 Shutter1Strobe Random · 100 10 Hz 103–114 Shutter1Strobe Effect · 001 0–4.58 Hz 115–126 Shutter1Strobe Effect · 050 5–9.58 Hz 127–127 Shutter1Strobe Effect · 100 10 Hz 128–158 Strobe Rate · 001 0–4.92 Hz 159–188 Strobe Rate · 025 5.08–9.84 Hz 189–218 Strobe Rate · 050 10–14.8 Hz 219–249 Strobe Rate · 075 14.9–19.8 Hz 250–250 Strobe Rate · 100 20 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
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	

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
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	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
58	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
59	Effects1Adjust1	0	0–10 No Function 11–11 Blue 12–48 Blue > Cyan 49–49 Cyan 50–86 Cyan > Green 87–87 Green 88–124 Green > Yellow 125–125 Yellow 126–162 Yellow > Red 163–163 Red 164–200 Red > Magenta 201–201 Magenta 202–238 Magenta > Blue 239–239 Blue 240–243 100 244–246 050 247–247 001 248–251 100 252–254 050 255–255 001
60	Dimmer	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
61	Effect	0	0–5 No Function (wheel slot 82) 6–8 Wheel Slot 1 (wheel slot 1) 9–11 Wheel Slot 2 (wheel slot 2) 12–14 Wheel Slot 3 (wheel slot 3) 15–17 Wheel Slot 4 (wheel slot 4) 18–20 Wheel Slot 5 (wheel slot 5) 21–23 Wheel Slot 6 (wheel slot 6) 24–26 Wheel Slot 7 (wheel slot 7) 27–29 Wheel Slot 8 (wheel slot 8) 30–32 Wheel Slot 9 (wheel slot 9) 33–35 Wheel Slot 10 (wheel slot 10) 36–38 Wheel Slot 11 (wheel slot 11) 39–41 Wheel Slot 12 (wheel slot 12) 42–44 Wheel Slot 13 (wheel slot 13) 45–47 Wheel Slot 14 (wheel slot 14) 48–50 Wheel Slot 15 (wheel slot 15) 51–53 Wheel Slot 16 (wheel slot 16) 54–56 Wheel Slot 17 (wheel slot 17) 57–59 Wheel Slot 18 (wheel slot 18) 60–62 Wheel Slot 19 (wheel slot 19) 63–65 Wheel Slot 20 (wheel slot 20) 66–68 Wheel Slot 21 (wheel slot 21) 69–71 Wheel Slot 22 (wheel slot 22) 72–74 Wheel Slot 23 (wheel slot 23) 75–77 Wheel Slot 24 (wheel slot 24) 78–80 Wheel Slot 25 (wheel slot 25) 81–83 Wheel Slot 26 (wheel slot 26) 84–86 Wheel Slot 27 (wheel slot 27) 87–89 Wheel Slot 28 (wheel slot 28) 90–92 Wheel Slot 29 (wheel slot 29) 93–95 Wheel Slot 30 (wheel slot 30) 96–98 Wheel Slot 31 (wheel slot 31) 99–101 Wheel Slot 32 (wheel slot 32) 102–104 Wheel Slot 33 (wheel slot 33) 105–107 Wheel Slot 34 (wheel slot 34) 108–110 Wheel Slot 35 (wheel slot 35) 111–113 Wheel Slot 36 (wheel slot 36) 114–116 Wheel Slot 37 (wheel slot 37) 117–119 Wheel Slot 38 (wheel slot 38) 120–122 Wheel Slot 39 (wheel slot 39) 123–125 Wheel Slot 40 (wheel slot 40) 126–128 Wheel Slot 41 (wheel slot 41) 129–131 Wheel Slot 42 (wheel slot 42) 132–134 Wheel Slot 43 (wheel slot 43) 135–137 Wheel Slot 44 (wheel slot 44) 138–140 Wheel Slot 45 (wheel slot 45) 141–143 Wheel Slot 46 (wheel slot 46) 144–146 Wheel Slot 47 (wheel slot 47) 147–149 Wheel Slot 48 (wheel slot 48) 150–152 Wheel Slot 49 (wheel slot 49) 153–155 Wheel Slot 50 (wheel slot 50) 156–158 Wheel Slot 51 (wheel slot 51) 159–161 Wheel Slot 52 (wheel slot 52) 162–164 Wheel Slot 53 (wheel slot 53) 165–167 Wheel Slot 54 (wheel slot 54) 168–170 Wheel Slot 55 (wheel slot 55) 171–173 Wheel Slot 56 (wheel slot 56) 174–176 Wheel Slot 57 (wheel slot 57) 177–179 Wheel Slot 58 (wheel slot 58) 180–182 Wheel Slot 59 (wheel slot 59) 183–185 Wheel Slot 60 (wheel slot 60) 186–188 Wheel Slot 61 (wheel slot 61) 189–191 Wheel Slot 62 (wheel slot 62) 192–194 Wheel Slot 63 (wheel slot 63)

63 Ch + Virtual P/T (continued)

Ch	Function	Default	DMX values
62	Effect Speed	0	0–63 000 64–127 025 128–191 050 192–254 075 255–255 100
63	Control1	0	0–5 Tungsten On 6–10 Tungsten Off 11–15 Display on 16–25 Display off 26–35 NoFeature 1 36–45 Dimmer curve linear 46–55 Dimmer curve square 56–65 Dimmer curve inv square 66–75 Dimmer curve s-curve 76–85 NoFeature 2 86–96 Dimmer Speed Mode 0 97–105 Dimmer Speed Mode 1 106–115 Dimmer Speed Mode 2 116–125 Dimmer Speed Mode 3 126–135 NoFeature 3 136–145 Led 800 146–155 Led 1200 156–165 Led 2000 166–175 Led 3600 176–185 Led 6000 186–195 Led 15khz 196–255 No Function