Elation

KL Core IP



Manufacturer	**Elation**
Type	**Profile spot**
DMX modes	**18**
DMX footprint	**1, 3, 4, 6, 8, 9, 10, 11, 12, 13, 15, 17, 19, 21 channels**
Beam angle	**7°**
Size (W × H × D)	**210 × 400 × 200 mm**
GDTF fixture type	**D4DDF530-6DD6-4987-939E-2…**

Controls

CMY colour mixing · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Gobo rotation

Safety-relevant functions

Strobe

DMX modes

Dimmer 1CH	1 ch
Dimmer 1CH(+2 Gobo)	3 ch
Dimmer/ CCT 4CH	4 ch
Dim/CCT/ Color 6CH	6 ch
Dimmer/ CCT 4CH(+2 Gobo)	6 ch
Dim/CCT/ Color 6CH(+2 Gobo)	8 ch
CMY 9CH	9 ch
RGBMA 10CH	10 ch
CMY 9CH(+2 Gobo)	11 ch
Standard 11CH	11 ch
RGBMA 10CH(+2 Gobo)	12 ch
Standard 11CH(+2 Gobo)	13 ch
xy Extended 13CH	13 ch
CMY Extended 15CH	15 ch
xy Extended 13CH(+2 Gobo)	15 ch
CMY Extended 15CH(+2 Gobo)	17 ch
Extended 19CH	19 ch
Extended 19CH(+2 Gobo)	21 ch

Dimmer 1CH

1 channel

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%

Dimmer 1CH(+2 Gobo)

3 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
3	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

Dimmer/ CCT 4CH

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TO	0	
4	C TO Fine	0	Fine byte of C TO

Dim/CCT/ Color 6CH

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

Dim/CCT/ Color 6CH (continued)

Ch	Function	Default	DMX values
4	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

Dim/CCT/ Color 6CH (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Dim/CCT/ Color 6CH (continued)

Ch	Function	Default	DMX values
6	Function	0	

Dimmer/ CCT 4CH(+2 Gobo)

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–62 20% 63–75 25% 76–101 30% 102–126 40% 127–152 50% 153–177 60% 178–190 70% 191–203 75% 204–228 80% 229–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TO	0	
4	C TO Fine	0	Fine byte of C TO
5	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
6	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

Dim/CCT/ Color 6CH(+2 Gobo)

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

Dim/CCT/ Color 6CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
4	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

Dim/CCT/ Color 6CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Dim/CCT/ Color 6CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
6	Function	0	
7	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
8	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

CMY 9CH

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Cyan	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Magenta	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Yellow	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

CMY 9CH (continued)

Ch	Function	Default	DMX values
7	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

CMY 9CH (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

CMY 9CH (continued)

Ch	Function	Default	DMX values
9	Function	0	

RGBMA 10CH

10 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
2	Red Fine	255	Fine byte of Red
3	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Green Fine	255	Fine byte of Green
5	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Blue Fine	255	Fine byte of Blue
7	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
8	Color Add GC Fine	255	Fine byte of Color Add GC
9	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
10	Color Add RY Fine	255	Fine byte of Color Add RY

CMY 9CH(+2 Gobo)

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

CMY 9CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Cyan	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Magenta	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Yellow	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

CMY 9CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
7	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

CMY 9CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

CMY 9CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
9	Function	0	
10	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
11	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

Standard 11CH

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
8	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

Standard 11CH (continued)

Ch	Function	Default	DMX values
9	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

Standard 11CH (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Standard 11CH (continued)

Ch	Function	Default	DMX values
11	Function	0	

RGBMA 10CH(+2 Gobo)

12 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
2	Red Fine	255	Fine byte of Red
3	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Green Fine	255	Fine byte of Green
5	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Blue Fine	255	Fine byte of Blue
7	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
8	Color Add GC Fine	255	Fine byte of Color Add GC
9	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
10	Color Add RY Fine	255	Fine byte of Color Add RY
11	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
12	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

Standard 11CH(+2 Gobo)

13 channels

Ch	Function	Default	DMX values

Standard 11CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
6	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
8	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

Standard 11CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
9	Color Wheel 2	0	0–23 Open (wheel slot 2) 24–24 2400 K (wheel slot 2) 25–25 2500 K (wheel slot 3) 26–26 2600 K (wheel slot 4) 27–27 2700 K (wheel slot 5) 28–28 2800 K (wheel slot 6) 29–29 2900 K (wheel slot 7) 30–30 3000 K (wheel slot 8) 31–31 3100 K (wheel slot 9) 32–32 3200 K (wheel slot 10) 33–33 3300 K (wheel slot 11) 34–34 3400 K (wheel slot 12) 35–35 3500 K (wheel slot 13) 36–36 3600 K (wheel slot 14) 37–37 3700 K (wheel slot 15) 38–38 3800 K (wheel slot 16) 39–39 3900 K (wheel slot 17) 40–40 4000 K (wheel slot 18) 41–41 4100 K (wheel slot 19) 42–42 4200 K (wheel slot 20) 43–43 4300 K (wheel slot 21) 44–44 4400 K (wheel slot 22) 45–45 4500 K (wheel slot 23) 46–46 4600 K (wheel slot 24) 47–47 4700 K (wheel slot 25) 48–48 4800 K (wheel slot 26) 49–49 4900 K (wheel slot 27) 50–50 5000 K (wheel slot 28) 51–51 5100 K (wheel slot 29) 52–52 5200 K (wheel slot 30) 53–53 5300 K (wheel slot 31) 54–54 5400 K (wheel slot 32) 55–55 5500 K (wheel slot 33) 56–56 5600 K (wheel slot 34) 57–57 5700 K (wheel slot 35) 58–58 5800 K (wheel slot 36) 59–59 5900 K (wheel slot 37) 60–60 6000 K (wheel slot 38) 61–61 6100 K (wheel slot 39) 62–62 6200 K (wheel slot 40) 63–63 6300 K (wheel slot 41) 64–64 6400 K (wheel slot 42) 65–65 6500 K (wheel slot 43) 66–66 6600 K (wheel slot 44) 67–67 6700 K (wheel slot 45) 68–68 6800 K (wheel slot 46) 69–69 6900 K (wheel slot 46) 70–70 7000 K (wheel slot 47) 71–71 7100 K (wheel slot 48) 72–72 7200 K (wheel slot 49) 73–73 7300 K (wheel slot 50) 74–74 7400 K (wheel slot 51) 75–75 7500 K (wheel slot 52) 76–76 7600 K (wheel slot 53) 77–77 7700 K (wheel slot 54) 78–78 7800 K (wheel slot 55) 79–79 7900 K (wheel slot 56) 80–80 8000 K (wheel slot 57) 81–81 8100 K (wheel slot 58) 82–82 8200 K (wheel slot 59) 83–83 8300 K (wheel slot 60) 84–84 8400 K (wheel slot 61) 85–255 8500 K (wheel slot 62)

Standard 11CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Standard 11CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
11	Function	0	
12	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
13	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

xy Extended 13CH

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	C IEX	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	C IEX Fine	255	Fine byte of C IEX
6	C IEY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	C IEY Fine	255	Fine byte of C IEY
8	C TO	0	
9	C TO Fine	0	Fine byte of C TO
10	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

xy Extended 13CH (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

xy Extended 13CH (continued)

Ch	Function	Default	DMX values
12	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
13	Control1	0	

CMY Extended 15CH

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

CMY Extended 15CH (continued)

Ch	Function	Default	DMX values
4	Cyan	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
9	Yellow Fine	0	Fine byte of Yellow
10	C TO	0	
11	C TO Fine	0	Fine byte of C TO
12	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

CMY Extended 15CH (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

CMY Extended 15CH (continued)

Ch	Function	Default	DMX values
14	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
15	Function	0	

xy Extended 13CH(+2 Gobo)

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

xy Extended 13CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
4	C IEX	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	C IEX Fine	255	Fine byte of C IEX
6	C IEY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	C IEY Fine	255	Fine byte of C IEY
8	C TO	0	
9	C TO Fine	0	Fine byte of C TO
10	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

xy Extended 13CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

xy Extended 13CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
12	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
13	Control1	0	
14	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
15	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

CMY Extended 15CH(+2 Gobo)

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

CMY Extended 15CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Cyan	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Cyan Fine	0	Fine byte of Cyan
6	Magenta	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Magenta Fine	0	Fine byte of Magenta
8	Yellow	0	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
9	Yellow Fine	0	Fine byte of Yellow
10	C TO	0	
11	C TO Fine	0	Fine byte of C TO
12	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

CMY Extended 15CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

CMY Extended 15CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
14	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
15	Function	0	
16	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
17	Gobo Rotation Fine	63	Fine byte of Gobo Rotation

Extended 19CH

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer

Extended 19CH (continued)

Ch	Function	Default	DMX values
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
4	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Red Fine	255	Fine byte of Red
6	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
9	Blue Fine	255	Fine byte of Blue
10	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
11	Color Add GC Fine	255	Fine byte of Color Add GC
12	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
13	Color Add RY Fine	255	Fine byte of Color Add RY
14	C TO	0	
15	C TO Fine	0	Fine byte of C TO
16	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

Extended 19CH (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Extended 19CH (continued)

Ch	Function	Default	DMX values
18	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
19	Function	0	

Extended 19CH(+2 Gobo)

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–24 0% 25–50 10% 51–63 20% 64–75 25% 76–101 30% 102–127 40% 128–152 50% 153–178 60% 179–190 70% 191–203 75% 204–229 80% 230–254 90% 255–255 100%
2	Dimmer Fine	0	Fine byte of Dimmer
3	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

Extended 19CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
4	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Red Fine	255	Fine byte of Red
6	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
7	Green Fine	255	Fine byte of Green
8	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
9	Blue Fine	255	Fine byte of Blue
10	Color Add GC	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
11	Color Add GC Fine	255	Fine byte of Color Add GC
12	Color Add RY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
13	Color Add RY Fine	255	Fine byte of Color Add RY
14	C TO	0	
15	C TO Fine	0	Fine byte of C TO
16	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

Extended 19CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
17	Color Wheel	0	0–0 Open (wheel slot 61) 1–1 Pale Yellow (wheel slot 1) 2–2 Straw (wheel slot 2) 3–3 Gold Tint (wheel slot 3) 4–4 Spring Yellow (wheel slot 4) 5–5 Medium Yellow (wheel slot 5) 6–6 Yellow (wheel slot 6) 7–7 Deep Amber (wheel slot 7) 8–8 Deep Straw (wheel slot 8) 9–9 Loving Amber (wheel slot 9) 10–10 Gold Amber (wheel slot 10) 11–11 Orange (wheel slot 11) 12–12 Deep Orange (wheel slot 12) 13–13 Dark Amber (wheel slot 13) 14–14 Millennium Gold (wheel slot 14) 15–15 Deep Golden Amber (wheel slot 15) 16–16 Scarlet (wheel slot 16) 17–17 Primary Red (wheel slot 17) 18–18 Bright Red (wheel slot 18) 19–19 Medium Red (wheel slot 19) 20–20 Fire (wheel slot 20) 21–21 Pink (wheel slot 21) 22–22 Medium Pink (wheel slot 22) 23–23 Dark Pink (wheel slot 23) 24–24 Bright Pink (wheel slot 24) 25–25 Bright Rose (wheel slot 25) 26–26 Special Rose Pink (wheel slot 26) 27–27 Vanity Fair (wheel slot 27) 28–28 Magenta (wheel slot 28) 29–29 Dark Magenta (wheel slot 29) 30–30 Rose Purple (wheel slot 30) 31–31 Mauve (wheel slot 31) 32–32 Medium Purple (wheel slot 32) 33–33 Lavender (wheel slot 33) 34–34 Palace blue (wheel slot 34) 35–35 Dark Blue (wheel slot 35) 36–36 Medium Blue (wheel slot 36) 37–37 Deep Blue (wheel slot 37) 38–38 Daylight Blue (wheel slot 38) 39–39 Slate Blue (wheel slot 39) 40–40 Light Blue (wheel slot 40) 41–41 Sky Blue (wheel slot 41) 42–42 Pale Navy Blue (wheel slot 42) 43–43 Marine Blue (wheel slot 43) 44–44 Peacock Blue (wheel slot 44) 45–45 Lagoon Blue (wheel slot 45) 46–46 Medium Blue Green (wheel slot 46) 47–47 Dark Yellow Green (wheel slot 47) 48–48 Primary Green (wheel slot 48) 49–49 Fern Green (wheel slot 49) 50–50 Moss Green (wheel slot 50) 51–51 Dark Green (wheel slot 51) 52–52 Lime Green (wheel slot 52) 53–53 Pale Green (wheel slot 53) 54–54 Quarter CT Blue (wheel slot 54) 55–55 Half CT Blue (wheel slot 55) 56–56 Full CT Blue (wheel slot 56) 57–57 Double CT Blue (wheel slot 57) 58–58 Quarter CT Orange (wheel slot 58) 59–59 Half CT Orange (wheel slot 59) 60–60 Full CT Orange (wheel slot 60) 61–179 Open (wheel slot 61) 180–201 Clockwise fast to slow 202–207 Stop

Extended 19CH(+2 Gobo) (continued)

Ch	Function	Default	DMX values
18	Dimmer Mode	0	0–20 Standart 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0s Delay 122–122 0/1s Delay 123–123 0/2s Delay 124–124 0/3s Delay 125–125 0/4s Delay 126–126 0/5s Delay 127–127 0/6s Delay 128–128 0/7s Delay 129–129 0/8s Delay 130–130 0/9s Delay 131–131 1s Delay 132–132 1/5s Delay 133–133 2s Delay 134–134 3s Delay 135–135 4s Delay 136–136 5s Delay 137–137 6s Delay 138–138 7s Delay 139–139 8s Delay 140–140 9s Delay 141–141 10s Delay 142–149 Idle 150–154 DTW ON 155–159 DTW OFF 160–255 Idle
19	Function	0	
20	Gobo Rotation	63	0–127 Gobo Indexing 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
21	Gobo Rotation Fine	63	Fine byte of Gobo Rotation