JB-Lighting

A12



Manufacturer	**JB-Lighting**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**15, 18, 19, 22 channels**
Beam angle	**8-48°**
Pan range	**433.6°**
Tilt range	**333.3°**
Size (W × H × D)	**344 × 280 × 344 mm**
GDTF fixture type	**53801D80-C410-4274-B735-C1…**

Controls

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

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

Compressed 8 Bit C8 (15)	15 ch
Standard 8Bit S8 (18)	18 ch
Compressed 16Bit C16 (19)	19 ch
Standard 16Bit S16 (22)	22 ch

Compressed 8 Bit C8 (15)

15 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)

Compressed 8 Bit C8 (15) (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5… 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 … 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)
7	Dimmer	0	0–24 closed 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 open
8	Zoom	128	0–127 narrow 128–254 medium 255–255 wide

Compressed 8 Bit C8 (15) (continued)

Ch	Function	Default	DMX values
9	Effect	0	0–0 no macro (1) 1–15 macro 01 slow to fast 16–16 no macro (2) 17–31 macro 01 fade slow to fast 32–32 no macro (3) 33–47 macro 02 slow to fast 48–48 no macro (4) 49–63 macro 02 fade slow to fast 64–64 no macro (5) 65–79 macro 03 slow to fast 80–80 no macro (6) 81–95 macro 03 fade slow to fast 96–96 no macro (7) 97–111 macro 04 slow to fast 112–112 no macro (8) 113–127 macro 04 fade slow to fast 128–128 no macro (9) 129–143 macro 05 slow to fast 144–144 no macro (10) 145–159 macro 05 fade slow to fast 160–160 no macro (11) 161–175 macro 06 slow to fast 176–176 no macro (12) 177–191 macro 06 fade slow to fast 192–192 no macro (13) 193–207 macro 07 slow to fast 208–208 no macro (14) 209–223 macro 07 fade slow to fast 224–224 no macro (15) 225–239 macro 08 rnd slow to fast 240–240 no macro (16) 241–255 macro 08 rnd fade slow to fast
10	C TO	0	0–63 0% cto 64–127 25% cto 128–190 50% cto 191–254 75% cto 255–255 100% cto
11	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–1 color mode E8 all rings (wheel slot 1) 2–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–191 colors continuous white to turquoise (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast

Compressed 8 Bit C8 (15) (continued)

Ch	Function	Default	DMX values
12	Red	255	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
13	Green	255	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
14	Blue	255	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
15	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white

Standard 8Bit S8 (18)

18 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)

Standard 8Bit S8 (18) (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5… 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 … 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)
7	Dimmer	0	0–24 closed 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 open
8	Zoom	128	0–127 narrow 128–254 medium 255–255 wide

Standard 8Bit S8 (18) (continued)

Ch	Function	Default	DMX values
9	Effect	0	0–0 no macro (1) 1–15 macro 01 slow to fast 16–16 no macro (2) 17–31 macro 01 fade slow to fast 32–32 no macro (3) 33–47 macro 02 slow to fast 48–48 no macro (4) 49–63 macro 02 fade slow to fast 64–64 no macro (5) 65–79 macro 03 slow to fast 80–80 no macro (6) 81–95 macro 03 fade slow to fast 96–96 no macro (7) 97–111 macro 04 slow to fast 112–112 no macro (8) 113–127 macro 04 fade slow to fast 128–128 no macro (9) 129–143 macro 05 slow to fast 144–144 no macro (10) 145–159 macro 05 fade slow to fast 160–160 no macro (11) 161–175 macro 06 slow to fast 176–176 no macro (12) 177–191 macro 06 fade slow to fast 192–192 no macro (13) 193–207 macro 07 slow to fast 208–208 no macro (14) 209–223 macro 07 fade slow to fast 224–224 no macro (15) 225–239 macro 08 rnd slow to fast 240–240 no macro (16) 241–255 macro 08 rnd fade slow to fast
10	C TO	0	0–63 0% cto 64–127 25% cto 128–190 50% cto 191–254 75% cto 255–255 100% cto
11	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–1 color mode E8 all rings (wheel slot 1) 2–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–191 colors continuous white to turquoise (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast

Standard 8Bit S8 (18) (continued)

Ch	Function	Default	DMX values
12	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
13	Global MSpeed	0	0–3 real time effects 4–254 effects fast 255–255 effects slow
14	Blackout Mode	0	0–0 not used (1_0) 1–70 segment selection for shutter 71–95 not used (1_1) 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at co rgbw slow 159–159 bo at co rgbw fast 160–223 not used (1_2) 224–254 bo at p/t co rgbw slow 255–255 bo at p/t co rgbw fast
15	Red	255	0–63 0% red 64–127 25% red 128–190 50% red 191–254 75% red 255–255 100% red
16	Green	255	0–63 0% green 64–127 25% green 128–190 50% green 191–254 75% green 255–255 100% green
17	Blue	255	0–63 0% blue 64–127 25% blue 128–190 50% blue 191–254 75% blue 255–255 100% blue
18	White	0	0–63 0% white 64–127 25% white 128–190 50% white 191–254 75% white 255–255 100% white

Compressed 16Bit C16 (19)

19 channels

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

Compressed 16Bit C16 (19) (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5… 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 … 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)

Compressed 16Bit C16 (19) (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–24 closed 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 open
8	Zoom	128	0–127 narrow 128–254 medium 255–255 wide
9	Effect	0	0–0 no macro (1) 1–15 macro 01 slow to fast 16–16 no macro (2) 17–31 macro 01 fade slow to fast 32–32 no macro (3) 33–47 macro 02 slow to fast 48–48 no macro (4) 49–63 macro 02 fade slow to fast 64–64 no macro (5) 65–79 macro 03 slow to fast 80–80 no macro (6) 81–95 macro 03 fade slow to fast 96–96 no macro (7) 97–111 macro 04 slow to fast 112–112 no macro (8) 113–127 macro 04 fade slow to fast 128–128 no macro (9) 129–143 macro 05 slow to fast 144–144 no macro (10) 145–159 macro 05 fade slow to fast 160–160 no macro (11) 161–175 macro 06 slow to fast 176–176 no macro (12) 177–191 macro 06 fade slow to fast 192–192 no macro (13) 193–207 macro 07 slow to fast 208–208 no macro (14) 209–223 macro 07 fade slow to fast 224–224 no macro (15) 225–239 macro 08 rnd slow to fast 240–240 no macro (16) 241–255 macro 08 rnd fade slow to fast
10	C TO	0	0–63 0% cto 64–127 25% cto 128–190 50% cto 191–254 75% cto 255–255 100% cto

Compressed 16Bit C16 (19) (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–1 color mode E8 all rings (wheel slot 1) 2–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–191 colors continuous white to turquoise (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
12	Red	255	0–63 0% red 64–127 25% red 128–191 50% red 192–254 75% red 255–255 100% red
13	Red Fine	255	Fine byte of Red
14	Green	255	0–63 0% green 64–127 25% green 128–191 50% green 192–254 75% green 255–255 100% green
15	Green Fine	255	Fine byte of Green
16	Blue	255	0–63 0% blue 64–127 25% blue 128–191 50% blue 192–254 75% blue 255–255 100% blue
17	Blue Fine	255	Fine byte of Blue
18	White	0	0–63 0% white 64–127 25% white 128–191 50% white 192–254 75% white 255–255 100% white
19	White Fine	0	Fine byte of White

Standard 16Bit S16 (22)

22 channels

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

Standard 16Bit S16 (22) (continued)

Ch	Function	Default	DMX values
5	Control1	0	0–7 100% led - fade out fast to slow 8–15 RGB adjust - fade out fast to slow 16–23 C1 adjust - fade out fast to slow 24–31 picker adjust - fade out fast to slow 32–39 100% led - fade out fast to slow 40–47 RGB adjust - fade out fast to slow 48–55 C1 adjust - fade out fast to slow 56–63 picker adjust - fade out fast to slow 64–71 100% led - fade out fast to slow 72–79 RGB adjust - fade out fast to slow 80–87 C1 adjust - fade out fast to slow 88–95 picker adjust - fade out fast to slow 96–103 100% led - fade out fast to slow 104–111 RGB adjust - fade out fast to slow 112–119 C1 adjust - fade out fast to slow 120–127 picker adjust - fade out fast to slow 128–135 100% led - fade out fast to slow 136–143 RGB adjust - fade out fast to slow 144–151 C1 adjust - fade out fast to slow 152–159 picker adjust - fade out fast to slow 160–207 not used (1) 208–215 50Hz (100Hz) 216–223 60Hz (120Hz) 224–231 flex (600Hz) 232–239 not used (2) 240–247 reset 248–255 not used (3)
6	Shutter / Strobe	16	0–15 closed 16–95 open 96–97 StrobePulseOpen · 20Hz 20–18.6 Hz 98–99 StrobePulseOpen · 15Hz 17.2–15.7 Hz 100–101 StrobePulseOpen · 10Hz 14.3–12.9 Hz 102–104 StrobePulseOpen · 5Hz 11.5–8.63 Hz 105–109 StrobePulseOpen · 1Hz 7.21–1.52 Hz 110–110 StrobePulseOpen · 1/10Hz 0.1 Hz 111–111 open (2) 112–124 Shutter Fade Effect strobe · fade effect slow 1–18.5… 125–125 Shutter Fade Effect strobe · fade effect fast 20 Hz 126–126 open (3) 127–127 closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 closed (3) 160–173 Shutter Fade close strobe · fade close fast 20–1.52 … 174–174 Shutter Fade close strobe · fade close slow 0.1 Hz 175–175 open (5) 176–189 fade open fast 190–190 fade open slow 191–191 closed (4) 192–205 rnd open fast 206–206 rnd open slow 207–207 open (6) 208–221 Shutter Rnd Close strobe · rnd close fast 20–1.52 Hz 222–222 Shutter Rnd Close strobe · rnd close slow 0.1 Hz 223–223 closed (5) 224–238 rnd pulse close fast 239–239 open (7) 240–254 rnd pulse open fast 255–255 open (8)

Standard 16Bit S16 (22) (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–24 closed 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 open
8	Zoom	128	0–127 narrow 128–254 medium 255–255 wide
9	Effect	0	0–0 no macro (1) 1–15 macro 01 slow to fast 16–16 no macro (2) 17–31 macro 01 fade slow to fast 32–32 no macro (3) 33–47 macro 02 slow to fast 48–48 no macro (4) 49–63 macro 02 fade slow to fast 64–64 no macro (5) 65–79 macro 03 slow to fast 80–80 no macro (6) 81–95 macro 03 fade slow to fast 96–96 no macro (7) 97–111 macro 04 slow to fast 112–112 no macro (8) 113–127 macro 04 fade slow to fast 128–128 no macro (9) 129–143 macro 05 slow to fast 144–144 no macro (10) 145–159 macro 05 fade slow to fast 160–160 no macro (11) 161–175 macro 06 slow to fast 176–176 no macro (12) 177–191 macro 06 fade slow to fast 192–192 no macro (13) 193–207 macro 07 slow to fast 208–208 no macro (14) 209–223 macro 07 fade slow to fast 224–224 no macro (15) 225–239 macro 08 rnd slow to fast 240–240 no macro (16) 241–255 macro 08 rnd fade slow to fast
10	C TO	0	0–63 0% cto 64–127 25% cto 128–190 50% cto 191–254 75% cto 255–255 100% cto

Standard 16Bit S16 (22) (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–0 inactive colors rgb (wheel slot 1) 1–1 color mode E8 all rings (wheel slot 1) 2–3 white (wheel slot 1) 4–7 white / red (wheel slot 19) 8–11 red (wheel slot 2) 12–15 red / yellow (wheel slot 20) 16–19 yellow (wheel slot 3) 20–23 yellow / magenta (wheel slot 21) 24–27 magenta (wheel slot 4) 28–31 magenta / green (wheel slot 22) 32–35 green (wheel slot 5) 36–39 green / orange (wheel slot 23) 40–43 orange (wheel slot 6) 44–47 orange / blue (wheel slot 24) 48–51 blue (wheel slot 7) 52–55 blue / turquoise (wheel slot 25) 56–59 turquoise (wheel slot 8) 60–63 turquoise / white (wheel slot 26) 64–191 colors continuous white to turquoise (wheel slot 1) 192–222 spin >>> fast 223–223 spin >>> slow 224–254 spin <<< slow 255–255 spin <<< fast
12	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
13	Global MSpeed	0	0–3 real time effects 4–254 effects fast 255–255 effects slow
14	Blackout Mode	0	0–0 not used (1_0) 1–70 segment selection for shutter 71–95 not used (1_1) 96–126 bo at p/t slow 127–127 bo at p/t fast 128–158 bo at co rgbw slow 159–159 bo at co rgbw fast 160–223 not used (1_2) 224–254 bo at p/t co rgbw slow 255–255 bo at p/t co rgbw fast
15	Red	255	0–63 0% red 64–127 25% red 128–191 50% red 192–254 75% red 255–255 100% red
16	Red Fine	255	Fine byte of Red
17	Green	255	0–63 0% green 64–127 25% green 128–191 50% green 192–254 75% green 255–255 100% green
18	Green Fine	255	Fine byte of Green
19	Blue	255	0–63 0% blue 64–127 25% blue 128–191 50% blue 192–254 75% blue 255–255 100% blue
20	Blue Fine	255	Fine byte of Blue

Standard 16Bit S16 (22) (continued)

Ch	Function	Default	DMX values
21	White	0	0–63 0% white 64–127 25% white 128–191 50% white 192–254 75% white 255–255 100% white
22	White Fine	0	Fine byte of White