GLP

impression X4



Manufacturer	**GLP**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**14, 20, 21 channels**
Beam angle	**7-50°**
Pan range	**622°**
Tilt range	**242°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**26221110-16BC-4216-B9D6-67…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

Compress Mode 14Ch	14 ch
Normal Mode 20Ch	20 ch
High Resolution (Extended) Mode 21Ch	21 ch

Compress Mode 14Ch

14 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	Color Wheel	0	0–7 RGBW control 8–15 Color 01 - Red (wheel slot 1) 16–23 Color 02 - Amber (wheel slot 2) 24–31 Color 03 - Warm yellow (wheel slot 3) 32–39 Color 04 - Yellow (wheel slot 4) 40–47 Color 05 - Green (wheel slot 5) 48–55 Color 06 - Turquoise (wheel slot 6) 56–63 Color 07 - Cyan (wheel slot 7) 64–71 Color 08 - Blue (wheel slot 8) 72–79 Color 09 - Lavendel (wheel slot 9) 80–87 Color 10 - Mauve (wheel slot 10) 88–95 Color 11 - Magenta (wheel slot 11) 96–103 Color 12- Pink (wheel slot 12) 104–111 White - CTO (wheel slot 13) 112–119 White (wheel slot 14) 120–127 White - CTB (wheel slot 15) 128–128 Rainbow effect stop 129–223 Rainbow effect active 224–255 Random colors slow - fast
6	Red	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
7	Green	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
8	Blue	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
9	White	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%

Compress Mode 14Ch (continued)

Ch	Function	Default	DMX values
10	Shutter / Strobe	255	0–15 Closed 16–31 Pulse RNDM · RNDM > 0.008–0.488 Hz 32–46 Pulse RNDM · RNDM >> 0.52–0.968 Hz 47–47 Pulse RNDM · RNDM >>> 1 Hz 48–63 Pulse Open RNDM > 64–78 Pulse Open RNDM >> 79–79 Pulse Open RNDM >>> 80–95 Pulse Close RNDM > 96–110 Pulse Close RNDM >> 111–111 Pulse Close RNDM >>> 112–127 Pulse Open Close RNDM > 128–142 Pulse Open Close RNDM >> 143–143 Pulse Open Close RNDM >>> 144–171 Strobe RNDM > 172–198 Strobe RNDM >>> 199–199 Strobe RNDM >> 200–203 Strobe Sync · 1 Hz 1–1.69 Hz 204–207 Strobe Sync · 2 Hz 1.92–2.62 Hz 208–211 Strobe Sync · 3 Hz 2.85–3.54 Hz 212–215 Strobe Sync · 4 Hz 3.77–4.46 Hz 216–219 Strobe Sync · 5 Hz 4.69–5.38 Hz 220–224 Strobe Sync · 6 Hz 5.62–6.54 Hz 225–229 Strobe Sync · 7 Hz 6.77–7.69 Hz 230–234 Strobe Sync · 8 Hz 7.92–8.85 Hz 235–238 Strobe Sync · 9 Hz 9.08–9.77 Hz 239–239 Strobe Sync · 10 Hz 10 Hz 240–255 Open
11	Dimmer	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
12	Zoom	0	0–127 Wide 128–254 Medium 255–255 Narrow
13	Control1	0	0–3 Pattern Block 1 -> channel 17 4–99 Pattern Block 2 -> channel 17 100–149 PWM lower 150–150 PWM default 151–249 PWM Higher 250–255 Reset
14	Pattern	0	0–2 No pattern 3–253 250 pre-defined patterns 254–255 Activates direct access to LED Pattern

Normal Mode 20Ch

20 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

Normal Mode 20Ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–7 RGBW control 8–15 Color 01 - Red (wheel slot 1) 16–23 Color 02 - Amber (wheel slot 2) 24–31 Color 03 - Warm yellow (wheel slot 3) 32–39 Color 04 - Yellow (wheel slot 4) 40–47 Color 05 - Green (wheel slot 5) 48–55 Color 06 - Turquoise (wheel slot 6) 56–63 Color 07 - Cyan (wheel slot 7) 64–71 Color 08 - Blue (wheel slot 8) 72–79 Color 09 - Lavendel (wheel slot 9) 80–87 Color 10 - Mauve (wheel slot 10) 88–95 Color 11 - Magenta (wheel slot 11) 96–103 Color 12- Pink (wheel slot 12) 104–111 White - CTO (wheel slot 13) 112–119 White (wheel slot 14) 120–127 White - CTB (wheel slot 15) 128–128 Rainbow effect stop 129–223 Rainbow effect active 224–255 Random colors slow - fast
6	Red	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
7	Green	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
8	Blue	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
9	White	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%

Normal Mode 20Ch (continued)

Ch	Function	Default	DMX values
10	Shutter / Strobe	255	0–15 Closed 16–31 Pulse RNDM · RNDM > 0.008–0.488 Hz 32–46 Pulse RNDM · RNDM >> 0.52–0.968 Hz 47–47 Pulse RNDM · RNDM >>> 1 Hz 48–63 Pulse Open RNDM > 64–78 Pulse Open RNDM >> 79–79 Pulse Open RNDM >>> 80–95 Pulse Close RNDM > 96–110 Pulse Close RNDM >> 111–111 Pulse Close RNDM >>> 112–127 Pulse Open Close RNDM > 128–142 Pulse Open Close RNDM >> 143–143 Pulse Open Close RNDM >>> 144–171 Strobe RNDM > 172–198 Strobe RNDM >>> 199–199 Strobe RNDM >> 200–203 Strobe Sync · 1 Hz 1–1.69 Hz 204–207 Strobe Sync · 2 Hz 1.92–2.62 Hz 208–211 Strobe Sync · 3 Hz 2.85–3.54 Hz 212–215 Strobe Sync · 4 Hz 3.77–4.46 Hz 216–219 Strobe Sync · 5 Hz 4.69–5.38 Hz 220–224 Strobe Sync · 6 Hz 5.62–6.54 Hz 225–229 Strobe Sync · 7 Hz 6.77–7.69 Hz 230–234 Strobe Sync · 8 Hz 7.92–8.85 Hz 235–238 Strobe Sync · 9 Hz 9.08–9.77 Hz 239–239 Strobe Sync · 10 Hz 10 Hz 240–255 Open
11	Dimmer	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
12	C TO	0	0–7 No CTO 8–255 Continuous color temperature correction
13	Control1	0	0–3 Pattern Block 1 -> channel 17 4–99 Pattern Block 2 -> channel 17 100–149 PWM lower 150–150 PWM default 151–249 PWM Higher 250–255 Reset

Normal Mode 20Ch (continued)

Ch	Function	Default	DMX values
14	Movement	0	1–1 Movement Pan 1 (0) 2–3 Movement Pan 1 (90) 4–5 Movement Pan 1 (180) 6–7 Movement Pan 1 (270) 8–9 Movement Pan 2 (0) 10–11 Movement Pan 2 (90) 12–13 Movement Pan 2 (180) 14–15 Movement Pan 2 (270) 16–17 Movement Pan 3 (0) 18–19 Movement Pan (90) 20–21 Movement Pan 3 (180) 22–23 Movement Pan 3 (270) 24–25 Movement Pan 4 (0) 26–27 Movement Pan 4 (90) 28–29 Movement Pan 4 (180) 30–31 Movement Pan 4 (270) 32–63 Movement TILT 64–95 Movement PAN /TILT 96–127 Movement PAN /TILT inverse 128–159 Circle 160–191 Circle inverse 192–223 lying eight 224–255 Ramdom movement
15	Position MSpeed	0	0–1 Pan/Tilt movement speed from controller 2–255 Pan/Tilt slow - fast
16	Zoom	0	0–127 Wide 128–254 Medium 255–255 Narrow
17	Pattern	0	0–2 No pattern 3–253 250 pre-defined patterns 254–255 Activates direct access to LED Pattern
18	Pattern Byte1	0	
19	Pattern Byte2	0	
20	Pattern Byte3	0	

High Resolution (Extended) Mode 21Ch

21 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	Red	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
6	Red Fine	255	Fine byte of Red
7	Green	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
8	Green Fine	255	Fine byte of Green

High Resolution (Extended) Mode 21Ch (continued)

Ch	Function	Default	DMX values
9	Blue	255	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
10	Blue Fine	255	Fine byte of Blue
11	White	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
12	White Fine	0	Fine byte of White
13	Shutter / Strobe	0	0–15 Closed 16–31 Pulse RNDM · RNDM > 0.008–0.488 Hz 32–46 Pulse RNDM · RNDM >> 0.52–0.968 Hz 47–47 Pulse RNDM · RNDM >>> 1 Hz 48–63 Pulse Open RNDM > 64–78 Pulse Open RNDM >> 79–79 Pulse Open RNDM >>> 80–95 Pulse Close RNDM > 96–110 Pulse Close RNDM >> 111–111 Pulse Close RNDM >>> 112–127 Pulse Open Close RNDM > 128–142 Pulse Open Close RNDM >> 143–143 Pulse Open Close RNDM >>> 144–171 Strobe RNDM > 172–198 Strobe RNDM >>> 199–199 Strobe RNDM >> 200–203 Strobe Sync · 1 Hz 1–1.69 Hz 204–207 Strobe Sync · 2 Hz 1.92–2.62 Hz 208–211 Strobe Sync · 3 Hz 2.85–3.54 Hz 212–215 Strobe Sync · 4 Hz 3.77–4.46 Hz 216–219 Strobe Sync · 5 Hz 4.69–5.38 Hz 220–224 Strobe Sync · 6 Hz 5.62–6.54 Hz 225–229 Strobe Sync · 7 Hz 6.77–7.69 Hz 230–234 Strobe Sync · 8 Hz 7.92–8.85 Hz 235–238 Strobe Sync · 9 Hz 9.08–9.77 Hz 239–239 Strobe Sync · 10 Hz 10 Hz 240–255 Open
14	Dimmer	0	0–62 0% 63–126 25% 127–190 50% 191–254 75% 255–255 100%
15	Dimmer Fine	0	Fine byte of Dimmer
16	Zoom	0	0–127 Wide 128–254 Medium 255–255 Narrow
17	Control1	0	0–3 Pattern Block 1 -> channel 17 4–99 Pattern Block 2 -> channel 17 100–149 PWM lower 150–150 PWM default 151–249 PWM Higher 250–255 Reset
18	Pattern	0	0–2 No pattern 3–253 250 pre-defined patterns 254–255 Activates direct access to LED Pattern
19	Pattern Byte1	0	
20	Pattern Byte2	0	

High Resolution (Extended) Mode 21Ch (continued)

Ch	Function	Default	DMX values
21	Pattern Byte3	0	