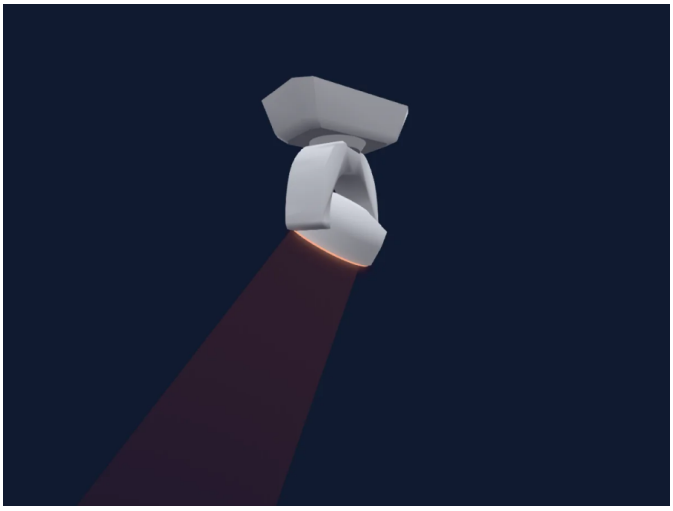
JB-Lighting

JBLED A7



Manufacturer	**JB-Lighting**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**12, 15, 16, 19 channels**
Beam angle	**12-36°**
Pan range	**430°**
Tilt range	**340°**
Size (W × H × D)	**220 × 100 × 220 mm**
GDTF fixture type	**95C04A2A-8CE8-423F-8C80-44…**

Controls

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

DMX modes

Compressed RGB 8bit	12 ch
Compressed RGB 16bit	15 ch
Standart RGB 8bit	16 ch
Standart RGB 16bit	19 ch

Compressed RGB 8bit

12 channels

Ch	Function	Default	DMX values
1	Pan	128	0–19 215 (min) 20–46 180 47–73 135 74–100 90 101–127 45 128–153 0 (center) 154–180 -45 181–207 -90 208–234 -135 235–254 -180 255–255 -217 (max)
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–25 -170 (min) 26–59 -135 60–93 -90 94–127 -45 128–160 0 (center) 161–194 45 195–228 90 229–254 135 255–255 170
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 full output power on LED fade out with fader (slow - fast) 8–15 colour balance on RGB (white 8500K) fade out with fa... 16–23 colour balance on RGB (white 6500K) fade out with f... 24–31 colour balance for colour picker function fade out wi... 32–207 Safe 1 208–215 camera mode 50Hz (after 2 seconds) 216–223 camera mode 60Hz (after 2 seconds) Channel Set 224–231 camera mode FLEX (after 2 seconds) 232–239 Safe 2 240–247 reser (after 2 seconds) 248–255 Safe 3

Compressed RGB 8bit (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	20	0–15 shutter closed 16–95 shutter open 96–109 Shutter Pulse Opening >10Hz · fast 10–0.807 Hz 110–110 Shutter Pulse Opening >10Hz · slow 0.1 Hz 111–111 shutter open (2) 112–124 fade-effect with dimmer (slow - fast) strobe · fade ... 125–125 fade-effect with dimmer (slow - fast) strobe · fade ... 126–126 shutter open (3) 127–127 shutter closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 shutter open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 shutter closed (3) 160–173 fade closed fast 174–174 fade closed slow 175–175 shutter open (5) 176–189 fade open fast 190–190 fade open slow 191–191 shutter closed (4) 192–205 Rnd open fast 206–206 Rnd open slow 207–207 shutter open (6) 208–221 Shutter Rnd Close strobe · Rnd close fast 10–0.807 ... 222–222 Shutter Rnd Close strobe · Rnd close slow 0.1 Hz 223–223 shutter closed (5) 234–237 Rnd Pulse close fast 238–238 Rnd Pulse close slow 239–239 shutter open (7) 240–253 Rnd Pulse open fast 254–254 Rnd Pulse open slow 255–255 shutter open (8)
7	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%
8	Zoom	128	0–127 narrow (12 Deg) 128–254 medium (24 Deg) 255–255 wide (36 Deg)
9	Red	255	0–63 0% Red 64–127 25% Red 128–190 50% Red 191–254 75% Red 255–255 100% Red
10	Green	255	0–63 0% Green 64–127 25% Green 128–190 50% Green 191–254 75% Green 255–255 100% Green

Compressed RGB 8bit (continued)

Ch	Function	Default	DMX values
11	Blue	255	0–63 0% Blue 64–127 25% Blue 128–190 50% Blue 191–254 75% Blue 255–255 100% Blue
12	C TC	0	0–63 0% CTC (6000K) 64–127 25% CTC 128–190 50% CTC 191–254 75% CTC 255–255 100% CTC (2900K)

Compressed RGB 16bit

15 channels

Ch	Function	Default	DMX values
1	Pan	128	0–19 215 (min) 20–46 180 47–73 135 74–100 90 101–127 45 128–153 0 (center) 154–180 -45 181–207 -90 208–234 -135 235–254 -180 255–255 -217 (max)
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–25 -170 (min) 26–59 -135 60–93 -90 94–127 -45 128–160 0 (center) 161–194 45 195–228 90 229–254 135 255–255 170
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 full output power on LED fade out with fader (slow - fast) 8–15 colour balance on RGB (white 8500K) fade out with fa... 16–23 colour balance on RGB (white 6500K) fade out with f... 24–31 colour balance for colour picker function fade out wi... 32–207 Safe 1 208–215 camera mode 50Hz (after 2 seconds) 216–223 camera mode 60Hz (after 2 seconds) Channel Set 224–231 camera mode FLEX (after 2 seconds) 232–239 Safe 2 240–247 reser (after 2 seconds) 248–255 Safe 3

Compressed RGB 16bit (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	20	0–15 shutter closed 16–95 shutter open 96–109 Shutter Pulse Opening >10Hz · fast 10–0.807 Hz 110–110 Shutter Pulse Opening >10Hz · slow 0.1 Hz 111–111 shutter open (2) 112–124 fade-effect with dimmer (slow - fast) strobe · fade ... 125–125 fade-effect with dimmer (slow - fast) strobe · fade ... 126–126 shutter open (3) 127–127 shutter closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 shutter open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 shutter closed (3) 160–173 fade closed fast 174–174 fade closed slow 175–175 shutter open (5) 176–189 fade open fast 190–190 fade open slow 191–191 shutter closed (4) 192–205 Rnd open fast 206–206 Rnd open slow 207–207 shutter open (6) 208–221 Shutter Rnd Close strobe · Rnd close fast 10–0.807 ... 222–222 Shutter Rnd Close strobe · Rnd close slow 0.1 Hz 223–223 shutter closed (5) 234–237 Rnd Pulse close fast 238–238 Rnd Pulse close slow 239–239 shutter open (7) 240–253 Rnd Pulse open fast 254–254 Rnd Pulse open slow 255–255 shutter open (8)
7	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%
8	Zoom	128	0–127 narrow (12 Deg) 128–254 medium (24 Deg) 255–255 wide (36 Deg)
9	Red	255	0–63 0% Red 64–127 25% Red 128–190 50% Red 191–254 75% Red 255–255 100% Red
10	Red Fine	255	Fine byte of Red
11	Green	255	0–63 0% Green 64–127 25% Green 128–190 50% Green 191–254 75% Green 255–255 100% Green
12	Green Fine	255	Fine byte of Green

Compressed RGB 16bit (continued)

Ch	Function	Default	DMX values
13	Blue	255	0–63 0% Blue 64–127 25% Blue 128–190 50% Blue 191–254 75% Blue 255–255 100% Blue
14	Blue Fine	255	Fine byte of Blue
15	C TC	0	0–63 0% CTC (6000K) 64–127 25% CTC 128–190 50% CTC 191–254 75% CTC 255–255 100% CTC (2900K)

Standart RGB 8bit

16 channels

Ch	Function	Default	DMX values
1	Pan	128	0–19 215 (min) 20–46 180 47–73 135 74–100 90 101–127 45 128–153 0 (center) 154–180 -45 181–207 -90 208–234 -135 235–254 -180 255–255 -215 (max)
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–25 -170 (min) 26–59 -135 60–93 -90 94–127 -45 128–160 0 (center) 161–194 45 195–228 90 229–254 135 255–255 170
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 full output power on LED fade out with fader (slow - fast) 8–15 colour balance on RGB (white 8500K) fade out with fa… 16–23 colour balance on RGB (white 6500K) fade out with f… 24–31 colour balance for colour picker function fade out wi… 32–207 Safe 1 208–215 camera mode 50Hz (after 2 seconds) 216–223 camera mode 60Hz (after 2 seconds) Channel Set 224–231 camera mode FLEX (after 2 seconds) 232–239 Safe 2 240–247 reser (after 2 seconds) 248–255 Safe 3

Standart RGB 8bit (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	20	0–15 shutter closed 16–95 shutter open 96–109 Shutter Pulse Opening >10Hz · fast 10–0.807 Hz 110–110 Shutter Pulse Opening >10Hz · slow 0.1 Hz 111–111 shutter open (2) 112–124 fade-effect with dimmer (slow - fast) strobe · fade ... 125–125 fade-effect with dimmer (slow - fast) strobe · fade ... 126–126 shutter open (3) 127–127 shutter closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 shutter open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 shutter closed (3) 160–173 fade closed fast 174–174 fade closed slow 175–175 shutter open (5) 176–189 fade open fast 190–190 fade open slow 191–191 shutter closed (4) 192–205 Rnd open fast 206–206 Rnd open slow 207–207 shutter open (6) 208–221 Shutter Rnd Close strobe · Rnd close fast 10–0.807 ... 222–222 Shutter Rnd Close strobe · Rnd close slow 0.1 Hz 223–223 shutter closed (5) 234–237 Rnd Pulse close fast 238–238 Rnd Pulse close slow 239–239 shutter open (7) 240–253 Rnd Pulse open fast 254–254 Rnd Pulse open slow 255–255 shutter open (8)
7	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%
8	Zoom	128	0–127 narrow (12 Deg) 128–254 medium (24 Deg) 255–255 wide (36 Deg)
9	Red	255	0–63 0% Red 64–127 25% Red 128–190 50% Red 191–254 75% Red 255–255 100% Red
10	Green	255	0–63 0% Green 64–127 25% Green 128–190 50% Green 191–254 75% Green 255–255 100% Green

Standart RGB 8bit (continued)

Ch	Function	Default	DMX values
11	Blue	255	0–63 0% Blue 64–127 25% Blue 128–190 50% Blue 191–254 75% Blue 255–255 100% Blue
12	C TC	0	0–63 0% CTC (6000K) 64–127 25% CTC 128–190 50% CTC 191–254 75% CTC 255–255 100% CTC (2900K)
13	Color Wheel	0	0–1 inactive colour-mixing with RGB (wheel slot 1) 2–3 white (wheel slot 2) 4–7 white/red (wheel slot 3) 8–11 red (wheel slot 4) 12–15 red/yellow (wheel slot 5) 16–19 yellow (wheel slot 6) 20–23 yellow/magenta (wheel slot 7) 24–27 magenta (wheel slot 8) 28–31 magenta/green (wheel slot 9) 32–35 green (wheel slot 10) 36–39 green/amber (wheel slot 11) 40–43 amber (wheel slot 12) 44–47 amber/blue (wheel slot 13) 48–51 blue (wheel slot 14) 52–55 blue/cyan (wheel slot 15) 56–59 cyan (wheel slot 16) 60–63 cyan/white (wheel slot 17) 64–191 Color1 Continuous 192–192 Spin>>> fast (wheel slot 19) 193–219 Spin>> mid (wheel slot 19) 220–222 Spin> slow (wheel slot 19) 223–224 spin STOP (wheel slot 20) 225–227 <Spin slow (wheel slot 21) 228–254 <<Spin mid (wheel slot 21) 255–255 <<<Spin fast (wheel slot 21)
14	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
15	Global MSpeed	0	0–3 realtime effects 4–254 effects fast 255–255 effects slow
16	Blackout Mode	0	0–95 no function (1) 96–126 black out at pan/tilt moves (slow) 127–127 black out at pan/tilt moves (fast) 128–158 black out at colour changing (slow) 159–159 black out at colour changing (fast) 160–223 no function (2) 224–254 black out at colour changes and pan/tilt moves (sl... 255–255 black out at colour changes and pan/tilt moves (fa...

Standart RGB 16bit

19 channels

Ch	Function	Default	DMX values

Standart RGB 16bit (continued)

Ch	Function	Default	DMX values
1	Pan	128	0–19 215 (min) 20–46 180 47–73 135 74–100 90 101–127 45 128–153 0 (center) 154–180 -45 181–207 -90 208–234 -135 235–254 -180 255–255 -215 (max)
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–25 -170 (min) 26–59 -135 60–93 -90 94–127 -45 128–160 0 (center) 161–194 45 195–228 90 229–254 135 255–255 170
4	Tilt Fine	0	Fine byte of Tilt
5	Control1	0	0–7 full output power on LED fade out with fader (slow - fast) 8–15 colour balance on RGB (white 8500K) fade out with fa... 16–23 colour balance on RGB (white 6500K) fade out with f... 24–31 colour balance for colour picker function fade out wi... 32–207 Safe 1 208–215 camera mode 50Hz (after 2 seconds) 216–223 camera mode 60Hz (after 2 seconds) Channel Set 224–231 camera mode FLEX (after 2 seconds) 232–239 Safe 2 240–247 reser (after 2 seconds) 248–255 Safe 3

Standart RGB 16bit (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	20	0–15 shutter closed 16–95 shutter open 96–109 Shutter Pulse Opening >10Hz · fast 10–0.807 Hz 110–110 Shutter Pulse Opening >10Hz · slow 0.1 Hz 111–111 shutter open (2) 112–124 fade-effect with dimmer (slow - fast) strobe · fade ... 125–125 fade-effect with dimmer (slow - fast) strobe · fade ... 126–126 shutter open (3) 127–127 shutter closed (2) 128–141 pulse open fast 142–142 pulse open slow 143–143 shutter open (4) 144–157 pulse close fast 158–158 pulse close slow 159–159 shutter closed (3) 160–173 fade closed fast 174–174 fade closed slow 175–175 shutter open (5) 176–189 fade open fast 190–190 fade open slow 191–191 shutter closed (4) 192–205 Rnd open fast 206–206 Rnd open slow 207–207 shutter open (6) 208–221 Shutter Rnd Close strobe · Rnd close fast 10–0.807 ... 222–222 Shutter Rnd Close strobe · Rnd close slow 0.1 Hz 223–223 shutter closed (5) 234–237 Rnd Pulse close fast 238–238 Rnd Pulse close slow 239–239 shutter open (7) 240–253 Rnd Pulse open fast 254–254 Rnd Pulse open slow 255–255 shutter open (8)
7	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%
8	Zoom	128	0–127 narrow (12 Deg) 128–254 medium (24 Deg) 255–255 wide (36 Deg)
9	Red	255	0–63 0% Red 64–127 25% Red 128–190 50% Red 191–254 75% Red 255–255 100% Red
10	Red Fine	255	Fine byte of Red
11	Green	255	0–63 0% Green 64–127 25% Green 128–190 50% Green 191–254 75% Green 255–255 100% Green
12	Green Fine	255	Fine byte of Green

Standart RGB 16bit (continued)

Ch	Function	Default	DMX values
13	Blue	255	0–63 0% Blue 64–127 25% Blue 128–190 50% Blue 191–254 75% Blue 255–255 100% Blue
14	Blue Fine	255	Fine byte of Blue
15	C TC	0	0–63 0% CTC (6000K) 64–127 25% CTC 128–190 50% CTC 191–254 75% CTC 255–255 100% CTC (2900K)
16	Color Wheel	0	0–1 inactive colour-mixing with RGB (wheel slot 1) 2–3 white (wheel slot 2) 4–7 white/red (wheel slot 3) 8–11 red (wheel slot 4) 12–15 red/yellow (wheel slot 5) 16–19 yellow (wheel slot 6) 20–23 yellow/magenta (wheel slot 7) 24–27 magenta (wheel slot 8) 28–31 magenta/green (wheel slot 9) 32–35 green (wheel slot 10) 36–39 green/amber (wheel slot 11) 40–43 amber (wheel slot 12) 44–47 amber/blue (wheel slot 13) 48–51 blue (wheel slot 14) 52–55 blue/cyan (wheel slot 15) 56–59 cyan (wheel slot 16) 60–63 cyan/white (wheel slot 17) 64–191 Color1 Continuous 192–192 Spin>>> fast (wheel slot 19) 193–219 Spin>> mid (wheel slot 19) 220–222 Spin> slow (wheel slot 19) 223–224 Spin STOP (wheel slot 20) 225–227 <Spin slow (wheel slot 21) 228–254 <<Spin mid (wheel slot 21) 255–255 <<<Spin fast (wheel slot 21)
17	Position MSpeed	0	0–3 real time movement 4–254 movement fast 255–255 movement slow
18	Global MSpeed	0	0–3 realtime effects 4–254 effects fast 255–255 effects slow
19	Blackout Mode	0	0–95 no function (1) 96–126 black out at pan/tilt moves (slow) 127–127 black out at pan/tilt moves (fast) 128–158 black out at colour changing (slow) 159–159 black out at colour changing (fast) 160–223 no function (2) 224–254 black out at colour changes and pan/tilt moves (sl… 255–255 black out at colour changes and pan/tilt moves (fa…