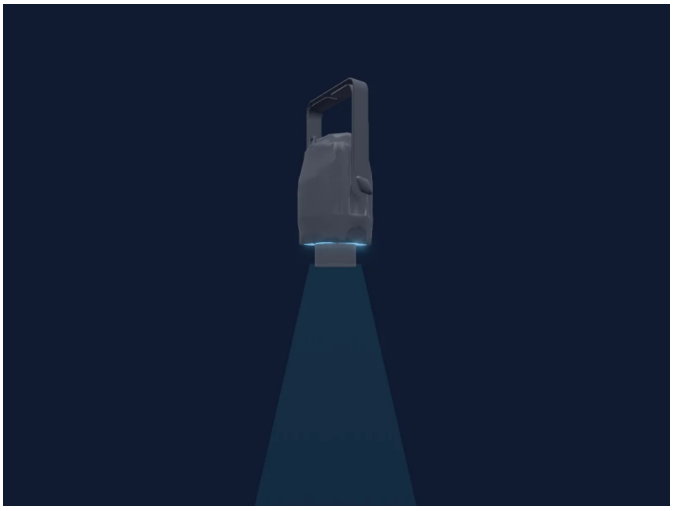
ADJ

Encore Z7LP



Manufacturer	**ADJ**
Type	**Effect light**
DMX modes	**6**
DMX footprint	**6, 9, 10, 12, 15, 18 channels**
Beam angle	**5-50°**
Size (W × H × D)	**206 × 282 × 206 mm**
GDTF fixture type	**46D10B73-6D43-4F07-8A29-B0…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer

Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

DMX modes

6Ch	6 ch
9Ch	9 ch
10Ch	10 ch
12Ch	12 ch
15Ch	15 ch
18Ch	18 ch

6Ch

6 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	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
3	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Color Add GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
5	Zoom	0	
6	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg

9Ch

9 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	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
3	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Color Add GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

9Ch (continued)

Ch	Function	Default	DMX values
5	Shutter / Strobe	32	0–31 LEDs Off 32–63 LEDs ON 64–95 Strobe Slow to Fast 96–127 LEDs ON 128–159 Pulse Slow to Fast 160–191 LEDs ON 192–223 Rnd Strobe Slow to Fast 224–255 LEDs ON
6	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%
7	Dimmer Fine	0	Fine byte of Dimmer
8	Zoom	0	
9	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg

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 GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
8	Color Add GY Fine	255	Fine byte of Color Add GY

10Ch (continued)

Ch	Function	Default	DMX values
9	Zoom	0	
10	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg

12Ch

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	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
3	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Color Add GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

12Ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–0 Open (wheel slot 1) 1–4 Color Macro 1 (wheel slot 2) 5–8 Color Macro 2 (wheel slot 3) 9–12 Color Macro 3 (wheel slot 4) 13–16 Color Macro 4 (wheel slot 5) 17–20 Color Macro 5 (wheel slot 6) 21–24 Color Macro 6 (wheel slot 7) 25–28 Color Macro 7 (wheel slot 8) 29–32 Color Macro 8 (wheel slot 9) 33–36 Color Macro 9 (wheel slot 10) 37–40 Color Macro 10 (wheel slot 11) 41–44 Color Macro 11 (wheel slot 12) 45–48 Color Macro 12 (wheel slot 13) 49–52 Color Macro 13 (wheel slot 14) 53–56 Color Macro 14 (wheel slot 15) 57–60 Color Macro 15 (wheel slot 16) 61–64 Color Macro 16 (wheel slot 17) 65–68 Color Macro 17 (wheel slot 18) 69–72 Color Macro 18 (wheel slot 19) 73–76 Color Macro 19 (wheel slot 20) 77–80 Color Macro 20 (wheel slot 21) 81–84 Color Macro 21 (wheel slot 22) 85–88 Color Macro 22 (wheel slot 23) 89–92 Color Macro 23 (wheel slot 24) 93–96 Color Macro 24 (wheel slot 25) 97–100 Color Macro 25 (wheel slot 26) 101–104 Color Macro 26 (wheel slot 27) 105–108 Color Macro 27 (wheel slot 28) 109–112 Color Macro 28 (wheel slot 29) 113–116 Color Macro 29 (wheel slot 30) 117–120 Color Macro 30 (wheel slot 31) 121–124 Color Macro 31 (wheel slot 32) 125–128 Color Macro 32 (wheel slot 33) 129–132 Color Macro 33 (wheel slot 34) 133–136 Color Macro 34 (wheel slot 35) 137–140 Color Macro 35 (wheel slot 36) 141–144 Color Macro 36 (wheel slot 37) 145–148 Color Macro 37 (wheel slot 38) 149–152 Color Macro 38 (wheel slot 39) 153–156 Color Macro 39 (wheel slot 40) 157–160 Color Macro 40 (wheel slot 41) 161–164 Color Macro 41 (wheel slot 42) 165–168 Color Macro 42 (wheel slot 43) 169–172 Color Macro 43 (wheel slot 44) 173–176 Color Macro 44 (wheel slot 45) 177–180 Color Macro 45 (wheel slot 46) 181–184 Color Macro 46 (wheel slot 47) 185–188 Color Macro 47 (wheel slot 48) 189–192 Color Macro 48 (wheel slot 49) 193–196 Color Macro 49 (wheel slot 50) 197–200 Color Macro 50 (wheel slot 51) 201–204 Color Macro 51 (wheel slot 52) 205–208 Color Macro 52 (wheel slot 53) 209–212 Color Macro 53 (wheel slot 54) 213–216 Color Macro 54 (wheel slot 55) 217–220 Color Macro 55 (wheel slot 56) 221–224 Color Macro 56 (wheel slot 57) 225–228 Color Macro 57 (wheel slot 58) 229–232 Color Macro 58 (wheel slot 59) 233–236 Color Macro 59 (wheel slot 60) 237–240 Color Macro 60 (wheel slot 61) 241–244 Color Macro 61 (wheel slot 62) 245–248 Color Macro 62 (wheel slot 63) 249–252 Color Macro 63 (wheel slot 64)

12Ch (continued)

Ch	Function	Default	DMX values
6	C TO	0	
7	Color Wheel 2	0	0–0 Open (wheel slot 1) 1–54 2700 K (wheel slot 5) 55–109 3200 K (wheel slot 10) 110–164 4000 K (wheel slot 18) 165–219 5600 K (wheel slot 34) 220–255 6500 K (wheel slot 43)
8	Shutter / Strobe	32	0–31 LEDs Off 32–63 LEDs ON 64–95 Strobe Slow to Fast 96–127 LEDs ON 128–159 Pulse Slow to Fast 160–191 LEDs ON 192–223 Rnd Strobe Slow to Fast 224–255 LEDs ON
9	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%
10	Dimmer Fine	0	Fine byte of Dimmer
11	Zoom	0	
12	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg

15Ch

15 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	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
3	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

15Ch (continued)

Ch	Function	Default	DMX values
4	Color Add GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

15Ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–0 Open (wheel slot 1) 1–4 Color Macro 1 (wheel slot 2) 5–8 Color Macro 2 (wheel slot 3) 9–12 Color Macro 3 (wheel slot 4) 13–16 Color Macro 4 (wheel slot 5) 17–20 Color Macro 5 (wheel slot 6) 21–24 Color Macro 6 (wheel slot 7) 25–28 Color Macro 7 (wheel slot 8) 29–32 Color Macro 8 (wheel slot 9) 33–36 Color Macro 9 (wheel slot 10) 37–40 Color Macro 10 (wheel slot 11) 41–44 Color Macro 11 (wheel slot 12) 45–48 Color Macro 12 (wheel slot 13) 49–52 Color Macro 13 (wheel slot 14) 53–56 Color Macro 14 (wheel slot 15) 57–60 Color Macro 15 (wheel slot 16) 61–64 Color Macro 16 (wheel slot 17) 65–68 Color Macro 17 (wheel slot 18) 69–72 Color Macro 18 (wheel slot 19) 73–76 Color Macro 19 (wheel slot 20) 77–80 Color Macro 20 (wheel slot 21) 81–84 Color Macro 21 (wheel slot 22) 85–88 Color Macro 22 (wheel slot 23) 89–92 Color Macro 23 (wheel slot 24) 93–96 Color Macro 24 (wheel slot 25) 97–100 Color Macro 25 (wheel slot 26) 101–104 Color Macro 26 (wheel slot 27) 105–108 Color Macro 27 (wheel slot 28) 109–112 Color Macro 28 (wheel slot 29) 113–116 Color Macro 29 (wheel slot 30) 117–120 Color Macro 30 (wheel slot 31) 121–124 Color Macro 31 (wheel slot 32) 125–128 Color Macro 32 (wheel slot 33) 129–132 Color Macro 33 (wheel slot 34) 133–136 Color Macro 34 (wheel slot 35) 137–140 Color Macro 35 (wheel slot 36) 141–144 Color Macro 36 (wheel slot 37) 145–148 Color Macro 37 (wheel slot 38) 149–152 Color Macro 38 (wheel slot 39) 153–156 Color Macro 39 (wheel slot 40) 157–160 Color Macro 40 (wheel slot 41) 161–164 Color Macro 41 (wheel slot 42) 165–168 Color Macro 42 (wheel slot 43) 169–172 Color Macro 43 (wheel slot 44) 173–176 Color Macro 44 (wheel slot 45) 177–180 Color Macro 45 (wheel slot 46) 181–184 Color Macro 46 (wheel slot 47) 185–188 Color Macro 47 (wheel slot 48) 189–192 Color Macro 48 (wheel slot 49) 193–196 Color Macro 49 (wheel slot 50) 197–200 Color Macro 50 (wheel slot 51) 201–204 Color Macro 51 (wheel slot 52) 205–208 Color Macro 52 (wheel slot 53) 209–212 Color Macro 53 (wheel slot 54) 213–216 Color Macro 54 (wheel slot 55) 217–220 Color Macro 55 (wheel slot 56) 221–224 Color Macro 56 (wheel slot 57) 225–228 Color Macro 57 (wheel slot 58) 229–232 Color Macro 58 (wheel slot 59) 233–236 Color Macro 59 (wheel slot 60) 237–240 Color Macro 60 (wheel slot 61) 241–244 Color Macro 61 (wheel slot 62) 245–248 Color Macro 62 (wheel slot 63) 249–252 Color Macro 63 (wheel slot 64)

15Ch (continued)

Ch	Function	Default	DMX values
6	C TO	0	
7	Color Wheel 2	0	0–0 Open (wheel slot 1) 1–54 2700 K (wheel slot 5) 55–109 3200 K (wheel slot 10) 110–164 4000 K (wheel slot 18) 165–219 5600 K (wheel slot 34) 220–255 6500 K (wheel slot 43)
8	Shutter / Strobe	32	0–31 LEDs Off 32–63 LEDs ON 64–95 Strobe Slow to Fast 96–127 LEDs ON 128–159 Pulse Slow to Fast 160–191 LEDs ON 192–223 Rnd Strobe Slow to Fast 224–255 LEDs ON
9	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%
10	Dimmer Fine	0	Fine byte of Dimmer
11	Zoom	0	
12	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg

15Ch (continued)

Ch	Function	Default	DMX values
13	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
14	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inv Square 61–80 S Curve 81–255 No Function
15	Function	0	0–15 Default to unit setting 16–30 900 Hz 31–45 1000 Hz 46–60 1100 Hz 61–75 1200 Hz 76–90 1300 Hz 91–105 1400 Hz 106–120 1500 Hz 121–135 2500 Hz 136–150 4000 Hz 151–165 5000 Hz 166–180 10000 Hz 181–195 15000 Hz 196–210 20000 Hz 211–225 25000 Hz 226–229 Enable Zoom Mode 1 (hold 3s) 230–233 Enable Zoom Mode 2 (hold 3s) 234–238 Zoom Reset 239–255 No Function

18Ch

18 channels

Ch	Function	Default	DMX values
1	Red	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

18Ch (continued)

Ch	Function	Default	DMX values
2	Green	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
3	Blue	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%
4	Color Add GY	255	0–63 0% 64–127 25% 128–190 50% 191–254 75% 255–255 100%

18Ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–0 Open (wheel slot 1) 1–4 Color Macro 1 (wheel slot 2) 5–8 Color Macro 2 (wheel slot 3) 9–12 Color Macro 3 (wheel slot 4) 13–16 Color Macro 4 (wheel slot 5) 17–20 Color Macro 5 (wheel slot 6) 21–24 Color Macro 6 (wheel slot 7) 25–28 Color Macro 7 (wheel slot 8) 29–32 Color Macro 8 (wheel slot 9) 33–36 Color Macro 9 (wheel slot 10) 37–40 Color Macro 10 (wheel slot 11) 41–44 Color Macro 11 (wheel slot 12) 45–48 Color Macro 12 (wheel slot 13) 49–52 Color Macro 13 (wheel slot 14) 53–56 Color Macro 14 (wheel slot 15) 57–60 Color Macro 15 (wheel slot 16) 61–64 Color Macro 16 (wheel slot 17) 65–68 Color Macro 17 (wheel slot 18) 69–72 Color Macro 18 (wheel slot 19) 73–76 Color Macro 19 (wheel slot 20) 77–80 Color Macro 20 (wheel slot 21) 81–84 Color Macro 21 (wheel slot 22) 85–88 Color Macro 22 (wheel slot 23) 89–92 Color Macro 23 (wheel slot 24) 93–96 Color Macro 24 (wheel slot 25) 97–100 Color Macro 25 (wheel slot 26) 101–104 Color Macro 26 (wheel slot 27) 105–108 Color Macro 27 (wheel slot 28) 109–112 Color Macro 28 (wheel slot 29) 113–116 Color Macro 29 (wheel slot 30) 117–120 Color Macro 30 (wheel slot 31) 121–124 Color Macro 31 (wheel slot 32) 125–128 Color Macro 32 (wheel slot 33) 129–132 Color Macro 33 (wheel slot 34) 133–136 Color Macro 34 (wheel slot 35) 137–140 Color Macro 35 (wheel slot 36) 141–144 Color Macro 36 (wheel slot 37) 145–148 Color Macro 37 (wheel slot 38) 149–152 Color Macro 38 (wheel slot 39) 153–156 Color Macro 39 (wheel slot 40) 157–160 Color Macro 40 (wheel slot 41) 161–164 Color Macro 41 (wheel slot 42) 165–168 Color Macro 42 (wheel slot 43) 169–172 Color Macro 43 (wheel slot 44) 173–176 Color Macro 44 (wheel slot 45) 177–180 Color Macro 45 (wheel slot 46) 181–184 Color Macro 46 (wheel slot 47) 185–188 Color Macro 47 (wheel slot 48) 189–192 Color Macro 48 (wheel slot 49) 193–196 Color Macro 49 (wheel slot 50) 197–200 Color Macro 50 (wheel slot 51) 201–204 Color Macro 51 (wheel slot 52) 205–208 Color Macro 52 (wheel slot 53) 209–212 Color Macro 53 (wheel slot 54) 213–216 Color Macro 54 (wheel slot 55) 217–220 Color Macro 55 (wheel slot 56) 221–224 Color Macro 56 (wheel slot 57) 225–228 Color Macro 57 (wheel slot 58) 229–232 Color Macro 58 (wheel slot 59) 233–236 Color Macro 59 (wheel slot 60) 237–240 Color Macro 60 (wheel slot 61) 241–244 Color Macro 61 (wheel slot 62) 245–248 Color Macro 62 (wheel slot 63) 249–252 Color Macro 63 (wheel slot 64)

18Ch (continued)

Ch	Function	Default	DMX values
6	C TO	0	
7	Color Wheel 2	0	0–0 Open (wheel slot 1) 1–54 2700 K (wheel slot 5) 55–109 3200 K (wheel slot 10) 110–164 4000 K (wheel slot 18) 165–219 5600 K (wheel slot 34) 220–255 6500 K (wheel slot 43)
8	Shutter / Strobe	32	0–31 LEDs Off 32–63 LEDs ON 64–95 Strobe Slow to Fast 96–127 LEDs ON 128–159 Pulse Slow to Fast 160–191 LEDs ON 192–223 Rnd Strobe Slow to Fast 224–255 LEDs ON
9	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%
10	Dimmer Fine	0	Fine byte of Dimmer
11	Zoom	0	
12	Zoom Mode Beam	0	0–20 Normal 5 deg 21–40 Very Narrow Spot 6 deg 41–60 Narrow 10 deg 61–80 Medium Flood 30 deg 81–100 Wide Flood 40 deg 101–255 Very Wide Flood 50 deg
13	Effect	0	0–31 Off 32–63 Auto Program 1 64–95 Auto Program 2 96–127 Auto Program 3 128–159 Auto Program 4 160–191 Auto Program 5 192–223 Auto Program 6 224–255 Auto Program 7
14	Effect Speed	0	
15	Effects1Fade	0	

18Ch (continued)

Ch	Function	Default	DMX values
16	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
17	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inv Square 61–80 S Curve 81–255 No Function
18	Function	0	0–15 Default to unit setting 16–30 900 Hz 31–45 1000 Hz 46–60 1100 Hz 61–75 1200 Hz 76–90 1300 Hz 91–105 1400 Hz 106–120 1500 Hz 121–135 2500 Hz 136–150 4000 Hz 151–165 5000 Hz 166–180 10000 Hz 181–195 15000 Hz 196–210 20000 Hz 211–225 25000 Hz 226–229 Enable Zoom Mode 1 (hold 3s) 230–233 Enable Zoom Mode 2 (hold 3s) 234–238 Zoom Reset 239–255 No Function