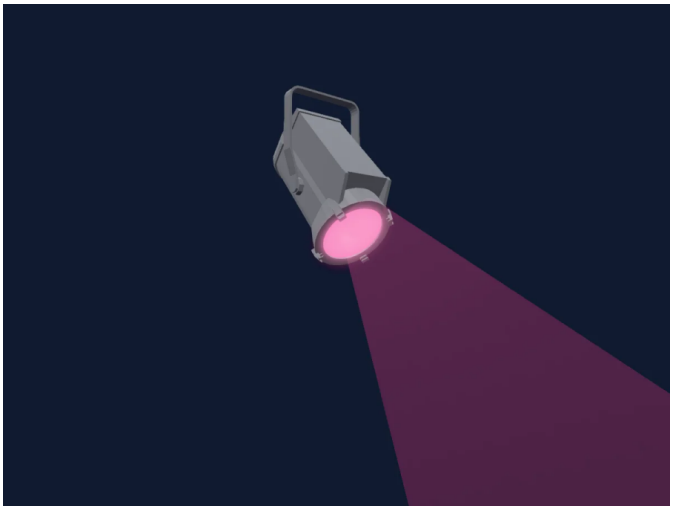
Leding

Xpression 250 RGBLA V1



Manufacturer	**Leding**
Type	**PAR**
DMX modes	**4**
DMX footprint	**8, 10, 13, 19 channels**
Beam angle	**15-45°**
Size (W × H × D)	**261 × 676 × 490 mm**
GDTF fixture type	**EA0F06FE-C015-1002-B7B7-D2…**

Controls

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

DMX modes

HSIC	8 ch
SSP	10 ch
TOUR	13 ch
TR16	19 ch

HSIC

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	H SBHue	0	
3	H SBHue Fine	0	Fine byte of H SBHue
4	H SBSaturation	0	
5	C OLORTEMPERATURE	0	0–10 No Color 11–28 1800K (wheel slot 1) 29–46 2200K (wheel slot 2) 47–64 2700K (wheel slot 3) 65–82 3000K (wheel slot 4) 83–100 3200K (wheel slot 5) 101–118 3500K (wheel slot 6) 119–136 4000K (wheel slot 7) 137–154 4200K (wheel slot 8) 155–172 4500K (wheel slot 9) 173–190 5600K (wheel slot 10) 191–208 6000K (wheel slot 11) 209–226 6500K (wheel slot 12) 227–244 7200K (wheel slot 13) 245–255 8000K (wheel slot 14)
6	Shutter / Strobe	0	0–9 open 10–98 min Strobe 99–99 max Strobe 100–109 open (2) 110–178 min Pulse 179–179 max Pulse 180–188 open (3) 190–254 Shutter1StrobeRandom 6 · min Rnd 0.25–9.85 Hz 255–255 Shutter1StrobeRandom 6 · max Rnd 10 Hz
7	Zoom	128	0–127 Narrow 128–254 Zoom 50% 255–255 Wide
8	Dimmer Curve	0	0–9 From Menu 10–29 Off 30–129 Dim 1 130–170 Dim 3 171–189 Dim 2 190–255 Dim4

SSP

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Green	255	
4	Blue	255	
5	Color Add RY	255	
6	Color Add GY	255	

SSP (continued)

Ch	Function	Default	DMX values
7	C OLORMIXER	0	0–10 No Function 11–20 L106 (wheel slot 1) 21–30 R05 (wheel slot 2) 31–40 L194 (wheel slot 3) 41–50 R54 (wheel slot 4) 51–60 L019 (wheel slot 5) 61–70 R08 (wheel slot 6) 71–80 R89 (wheel slot 7) 81–90 R86 (wheel slot 8) 91–100 L213 (wheel slot 9) 101–110 R377 (wheel slot 10) 111–120 R80 (wheel slot 11) 121–130 L202 (wheel slot 12) 131–140 L328 (wheel slot 13) 141–150 R3314 (wheel slot 14) 151–160 L101 (wheel slot 15) 161–255 L768 (wheel slot 16)
8	Shutter / Strobe	0	0–9 open 10–98 min Strobe 99–99 max Strobe 100–109 open (2) 110–178 min Pulse 179–179 max Pulse 180–188 open (3) 190–254 Shutter1StrobeRandom 6 · min Rnd 0.25–9.85 Hz 255–255 Shutter1StrobeRandom 6 · max Rnd 10 Hz
9	Zoom	128	0–127 Narrow 128–254 Zoom 50% 255–255 Wide
10	Dimmer Curve	0	0–9 From Menu 10–29 Off 30–129 Dim 1 130–170 Dim 3 171–189 Dim 2 190–255 Dim4

TOUR

13 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Green	255	
4	Blue	255	
5	Color Add RY	255	
6	Color Add GY	255	

TOUR (continued)

Ch	Function	Default	DMX values
7	C OLORMIXER	0	0–10 No Function 11–20 L106 (wheel slot 1) 21–30 R05 (wheel slot 2) 31–40 L194 (wheel slot 3) 41–50 R54 (wheel slot 4) 51–60 L019 (wheel slot 5) 61–70 R08 (wheel slot 6) 71–80 R89 (wheel slot 7) 81–90 R86 (wheel slot 8) 91–100 L213 (wheel slot 9) 101–110 R377 (wheel slot 10) 111–120 R80 (wheel slot 11) 121–130 L202 (wheel slot 12) 131–140 L328 (wheel slot 13) 141–150 R3314 (wheel slot 14) 151–160 L101 (wheel slot 15) 161–255 L768 (wheel slot 16)
8	Color Macro	0	0–10 No Function 11–30 R 100 G up B 0 31–50 R down G 100 B 0 51–70 R 0 G 100 B up 71–90 R 0 G down B 100 91–110 R up G 0 B 100 111–130 R 100 G 0 B down 131–150 R 100 G up B up 151–170 R down G down B 100 171–195 All 100 196–199 1800K (wheel slot 1) 200–203 2200K (wheel slot 2) 204–207 2700K (wheel slot 3) 208–211 3000K (wheel slot 4) 212–215 3200K (wheel slot 5) 216–219 3500K (wheel slot 6) 220–223 4000K (wheel slot 7) 224–227 4200K (wheel slot 8) 228–231 4500K (wheel slot 9) 232–235 5600K (wheel slot 10) 236–239 6000K (wheel slot 11) 240–243 6500K (wheel slot 12) 244–247 7200K (wheel slot 13) 248–255 8000K (wheel slot 14)
9	Shutter / Strobe	0	0–9 open 10–98 min Strobe 99–99 max Strobe 100–109 open (2) 110–178 min Pulse 179–179 max Pulse 180–188 open (3) 190–254 Shutter1StrobeRandom 6 · min Rnd 0.25–9.85 Hz 255–255 Shutter1StrobeRandom 6 · max Rnd 10 Hz
10	Zoom	128	0–127 Narrow 128–254 Zoom 50% 255–255 Wide

TOUR (continued)

Ch	Function	Default	DMX values
11	A UTOPROGRAM	0	0–40 No Function 41–60 Auto 1 61–80 Auto 2 81–100 Auto 3 101–120 Auto 4 121–140 Auto 5 141–160 Auto 6 161–180 Auto 7 181–200 Auto 8 201–220 Auto 9 221–255 Auto 10
12	A UTOSPEED	0	
13	Dimmer Curve	0	0–9 Fom Menu 10–29 Off 30–69 DIM1 70–129 DIM2 130–189 DIM3 190–255 DIM4

TR16

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add RY	255	
10	Color Add RY Fine	255	Fine byte of Color Add RY
11	Color Add GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	C OLORMIXER	0	0–10 No Function 11–20 L106 (wheel slot 1) 21–30 R05 (wheel slot 2) 31–40 L194 (wheel slot 3) 41–50 R54 (wheel slot 4) 51–60 L019 (wheel slot 5) 61–70 R08 (wheel slot 6) 71–80 R89 (wheel slot 7) 81–90 R86 (wheel slot 8) 91–100 L213 (wheel slot 9) 101–110 R377 (wheel slot 10) 111–120 R80 (wheel slot 11) 121–130 L202 (wheel slot 12) 131–140 L328 (wheel slot 13) 141–150 R3314 (wheel slot 14) 151–160 L101 (wheel slot 15) 161–255 L768 (wheel slot 16)

TR16 (continued)

Ch	Function	Default	DMX values
14	Color Macro	0	0–10 No Function 11–30 R 100 G up B 0 31–50 R down G 100 B 0 51–70 R 0 G 100 B up 71–90 R 0 G down B 100 91–110 R up G 0 B 100 111–130 R 100 G 0 B down 131–150 R 100 G up B up 151–170 R down G down B 100 171–195 All 100 196–199 1800K (wheel slot 1) 200–203 2200K (wheel slot 2) 204–207 2700K (wheel slot 3) 208–211 3000K (wheel slot 4) 212–215 3200K (wheel slot 5) 216–219 3500K (wheel slot 6) 220–223 4000K (wheel slot 7) 224–227 4200K (wheel slot 8) 228–231 4500K (wheel slot 9) 232–235 5600K (wheel slot 10) 236–239 6000K (wheel slot 11) 240–243 6500K (wheel slot 12) 244–247 7200K (wheel slot 13) 248–255 8000K (wheel slot 14)
15	Shutter / Strobe	0	0–9 open 10–98 min Strobe 99–99 max Strobe 100–109 open (2) 110–178 min Pulse 179–179 max Pulse 180–188 open (3) 190–254 Shutter1StrobeRandom 6 · min Rnd 0.25–9.85 Hz 255–255 Shutter1StrobeRandom 6 · max Rnd 10 Hz
16	Zoom	128	0–127 Narrow 128–254 Zoom 50% 255–255 Wide
17	A UTOPROGRAM	0	0–40 No Function 41–60 Auto 1 61–80 Auto 2 81–100 Auto 3 101–120 Auto 4 121–140 Auto 5 141–160 Auto 6 161–180 Auto 7 181–200 Auto 8 201–220 Auto 9 221–255 Auto 10
18	A UTOSPEED	0	
19	Dimmer Curve	0	0–9 Fom Menu 10–29 Off 30–69 DIM1 70–129 DIM2 130–189 DIM3 190–255 DIM4