Leding

Razer 650i Profile



Manufacturer	**Leding**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**35, 41, 44 channels**
Beam angle	**7-50°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**270 × 520 × 233 mm**
GDTF fixture type	**B83289A1-5E02-4CF4-8851-953…**

Controls

Focus · Frost · Iris · Prism · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

Basic	35 ch
Standard	41 ch
Extended	44 ch

Basic

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	C TO	0	
8	Color Macro1	0	0–19 White 20–21 3000K 22–23 3200K 24–25 3500K 26–27 4000K 28–29 4500K 30–31 5000K 32–33 5400K 34–35 5600K 36–37 6000K 38–39 6500K 40–41 6800K 42–43 L106 44–45 L194 46–47 L019 48–49 R08 50–51 L213 52–53 R80 54–55 L202 56–57 L328 58–59 R3314 60–61 L101 62–63 L768 64–255 Effect R>G>B>R
9	Color Mix MSpeed	0	
10	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Red (wheel slot 2) 16–23 Blue (wheel slot 3) 24–31 Cyan (wheel slot 4) 32–39 Orange (wheel slot 5) 40–47 Yellow (wheel slot 6) 48–55 UV (wheel slot 7) 56–191 whell 192–222 >>> 223–224 STOP 225–255 <<<

Basic (continued)

Ch	Function	Default	DMX values
11	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Gobo 1 sk (wheel slot 2) 75–82 Gobo 2 sk (wheel slot 3) 83–90 Gobo 3 sk (wheel slot 4) 91–98 Gobo 4 sk (wheel slot 5) 99–106 Gobo 5 sk (wheel slot 6) 107–114 Gobo 6 sk (wheel slot 7) 115–122 Gobo 7 sk (wheel slot 8) 123–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
12	Gobo Rotation	0	0–120 0-360 121–125 STOP1 126–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<
13	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–55 Gobo 9 (wheel slot 10) 56–60 Gobo 10 (wheel slot 11) 61–65 Gobo 1 sk (wheel slot 2) 66–70 Gobo 2 sk (wheel slot 3) 71–75 Gobo 3 sk (wheel slot 4) 76–80 Gobo 4 sk (wheel slot 5) 81–85 Gobo 5 sk (wheel slot 6) 86–90 Gobo 6 sk (wheel slot 7) 91–95 Gobo 7 sk (wheel slot 8) 96–100 Gobo 8 sk (wheel slot 9) 101–105 Gobo 9 sk (wheel slot 10) 106–110 Gobo 10 sk (wheel slot 11) 111–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
14	Animation Wheel1	0	0–127 Open (wheel slot 1) 128–255 Animation (wheel slot 2)
15	Animation Wheel1Pos Rotate	0	0–10 Stop 11–127 <<< 128–138 Stop 139–255 >>>

Basic (continued)

Ch	Function	Default	DMX values
16	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop (wheel slot 2) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 2) 206–255 >>> (wheel slot 2)
17	Frost1	0	
18	Frost2	0	
19	Iris	0	0–127 Iris 128–130 closed 131–171 FAST 172–211 FADE 212–251 FAST 252–255 close
20	Zoom	127	0–126 Wide 127–254 Center 255–255 Narrow
21	Focus	127	
22	Focus1Distance	0	
23	Focus1Distance Fine	0	Fine byte of Focus1Distance
24	Blade1A	0	
25	Blade1B	0	
26	Blade2A	0	
27	Blade2B	0	
28	Blade3A	0	
29	Blade3B	0	
30	Blade4A	0	
31	Blade4B	0	
32	Shaper Rot	127	
33	Dimmer	0	0–254 closed 255–255 open
34	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 LIGHTING strobe · Lighting 1–25 Hz 180–189 Open 190–255 Random

Basic (continued)

Ch	Function	Default	DMX values
35	Control1	0	0–10 No Function 11–20 PT BLACK ACTIVATED 21–30 PT BLACK DEACTIVATED 31–40 PAN INVERT 41–50 TILT INVERT 51–60 PT INVERT OFF 61–70 STUDIO 71–80 POWER 81–100 LIVE 101–110 DIM4 111–120 DIM3 121–130 DIM2 131–140 DIM1 141–150 DIM0 151–160 1200HZ 161–170 2400HZ 171–180 4000HZ 181–190 6000HZ 191–200 25000HZ 201–210 ALL RESET 211–220 XY RESET 221–230 COLOR RESET 231–255 OTHER RESET

Standard

41 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	Position MSpeed	0	
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	

Standard (continued)

Ch	Function	Default	DMX values
10	Color Macro1	0	0–19 White 20–21 3000K 22–23 3200K 24–25 3500K 26–27 4000K 28–29 4500K 30–31 5000K 32–33 5400K 34–35 5600K 36–37 6000K 38–39 6500K 40–41 6800K 42–43 L106 44–45 L194 46–47 L019 48–49 R08 50–51 L213 52–53 R80 54–55 L202 56–57 L328 58–59 R3314 60–61 L101 62–63 L768 64–255 Effect R>G>B>R
11	Color Mix MSpeed	0	
12	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Red (wheel slot 2) 16–23 Blue (wheel slot 3) 24–31 Cyan (wheel slot 4) 32–39 Orange (wheel slot 5) 40–47 Yellow (wheel slot 6) 48–55 UV (wheel slot 7) 56–191 whell 192–222 >>> 223–224 STOP 225–255 <<<
13	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Gobo 1 sk (wheel slot 2) 75–82 Gobo 2 sk (wheel slot 3) 83–90 Gobo 3 sk (wheel slot 4) 91–98 Gobo 4 sk (wheel slot 5) 99–106 Gobo 5 sk (wheel slot 6) 107–114 Gobo 6 sk (wheel slot 7) 115–122 Gobo 7 sk (wheel slot 8) 123–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
14	Gobo Rotation	0	0–120 0-360 121–125 STOP1 126–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–55 Gobo 9 (wheel slot 10) 56–60 Gobo 10 (wheel slot 11) 61–65 Gobo 1 sk (wheel slot 2) 66–70 Gobo 2 sk (wheel slot 3) 71–75 Gobo 3 sk (wheel slot 4) 76–80 Gobo 4 sk (wheel slot 5) 81–85 Gobo 5 sk (wheel slot 6) 86–90 Gobo 6 sk (wheel slot 7) 91–95 Gobo 7 sk (wheel slot 8) 96–100 Gobo 8 sk (wheel slot 9) 101–105 Gobo 9 sk (wheel slot 10) 106–110 Gobo 10 sk (wheel slot 11) 111–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
17	Animation Wheel1	0	0–127 Open (wheel slot 1) 128–255 Animation (wheel slot 2)
18	Animation Wheel1Pos Rotate	0	0–10 Stop 11–127 <<< 128–138 Stop 139–255 >>>
19	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop (wheel slot 2) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 2) 206–255 >>> (wheel slot 2)
20	Frost1	0	
21	Frost2	0	
22	Iris	0	0–127 Iris 128–130 closed 131–171 FAST 172–211 FADE 212–251 FAST 252–255 close
23	Zoom	127	0–126 Wide 127–254 Center 255–255 Narrow
24	Zoom Fine	255	Fine byte of Zoom
25	Focus	127	

Standard (continued)

Ch	Function	Default	DMX values
26	Focus Fine	127	Fine byte of Focus
27	Focus1Distance	0	
28	Focus1Distance Fine	0	Fine byte of Focus1Distance
29	Blade1A	0	
30	Blade1B	0	
31	Blade2A	0	
32	Blade2B	0	
33	Blade3A	0	
34	Blade3B	0	
35	Blade4A	0	
36	Blade4B	0	
37	Shaper Rot	127	
38	Dimmer	0	0–254 closed 255–255 open
39	Dimmer Fine	0	Fine byte of Dimmer
40	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 LIGHTING strobe · Lighting 1–25 Hz 180–189 Open 190–255 Random
41	Control1	0	0–10 No Function 11–20 PT BLACK ACTIVATED 21–30 PT BLACK DEACTIVATED 31–40 PAN INVERT 41–50 TILT INVERT 51–60 PT INVERT OFF 61–70 STUDIO 71–80 POWER 81–100 LIVE 101–110 DIM4 111–120 DIM3 121–130 DIM2 131–140 DIM1 141–150 DIM0 151–160 1200HZ 161–170 2400HZ 171–180 4000HZ 181–190 6000HZ 191–200 25000HZ 201–210 ALL RESET 211–220 XY RESET 221–230 COLOR RESET 231–255 OTHER RESET

Extended

44 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	Position MSpeed	0	

Extended (continued)

Ch	Function	Default	DMX values
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	C TO	0	
10	Color Macro1	0	0–19 White 20–21 3000K 22–23 3200K 24–25 3500K 26–27 4000K 28–29 4500K 30–31 5000K 32–33 5400K 34–35 5600K 36–37 6000K 38–39 6500K 40–41 6800K 42–43 L106 44–45 L194 46–47 L019 48–49 R08 50–51 L213 52–53 R80 54–55 L202 56–57 L328 58–59 R3314 60–61 L101 62–63 L768 64–255 Effect R>G>B>R
11	Color Mix MSpeed	0	
12	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Red (wheel slot 2) 16–23 Blue (wheel slot 3) 24–31 Cyan (wheel slot 4) 32–39 Orange (wheel slot 5) 40–47 Yellow (wheel slot 6) 48–55 UV (wheel slot 7) 56–190 whell 191–222 >>> 223–224 STOP 225–255 <<<
13	Color Wheel Fine	0	Fine byte of Color Wheel
14	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Gobo 1 sk (wheel slot 2) 75–82 Gobo 2 sk (wheel slot 3) 83–90 Gobo 3 sk (wheel slot 4) 91–98 Gobo 4 sk (wheel slot 5) 99–106 Gobo 5 sk (wheel slot 6) 107–114 Gobo 6 sk (wheel slot 7) 115–122 Gobo 7 sk (wheel slot 8) 123–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<

Extended (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation	0	0–120 0-360 121–125 STOP1 126–165 SHAKE 166–170 STOP2 171–210 >>> 211–215 STOP3 216–255 <<<
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
17	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–55 Gobo 9 (wheel slot 10) 56–60 Gobo 10 (wheel slot 11) 61–65 Gobo 1 sk (wheel slot 2) 66–70 Gobo 2 sk (wheel slot 3) 71–75 Gobo 3 sk (wheel slot 4) 76–80 Gobo 4 sk (wheel slot 5) 81–85 Gobo 5 sk (wheel slot 6) 86–90 Gobo 6 sk (wheel slot 7) 91–95 Gobo 7 sk (wheel slot 8) 96–100 Gobo 8 sk (wheel slot 9) 101–105 Gobo 9 sk (wheel slot 10) 106–110 Gobo 10 sk (wheel slot 11) 111–127 Open #2 (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
18	Animation Wheel1	0	0–127 Open (wheel slot 1) 128–255 Animation (wheel slot 2)
19	Animation Wheel1Pos Rotate	0	0–10 Stop 11–127 <<< 128–138 Stop 139–255 >>>
20	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 stop (wheel slot 2) 151–200 <<< (wheel slot 2) 201–205 stop (wheel slot 2) 206–255 >>> (wheel slot 2)
21	Frost1	0	
22	Frost2	0	
23	Iris	0	0–127 Iris 128–130 closed 131–170 FAST 171–210 FADE 211–250 FAST 251–255 close
24	Iris Fine	0	Fine byte of Iris
25	Zoom	127	0–126 Wide 127–254 Center 255–255 Narrow
26	Zoom Fine	255	Fine byte of Zoom

Extended (continued)

Ch	Function	Default	DMX values
27	Focus	127	
28	Focus Fine	127	Fine byte of Focus
29	Focus1Distance	0	
30	Focus1Distance Fine	0	Fine byte of Focus1Distance
31	Blade1A	0	
32	Blade1B	0	
33	Blade2A	0	
34	Blade2B	0	
35	Blade3A	0	
36	Blade3B	0	
37	Blade4A	0	
38	Blade4B	0	
39	Shaper Rot	127	
40	Shaper Rot Fine	255	Fine byte of Shaper Rot
41	Dimmer	0	0–254 closed 255–255 open
42	Dimmer Fine	0	Fine byte of Dimmer
43	Shutter / Strobe	0	0–9 Open 10–99 Strobe 100–109 Open 110–179 LIGHTING strobe · Lighting 1–25 Hz 180–189 Open 190–255 Random
44	Control1	0	0–10 No Function 11–20 PT BLACK ACTIVATED 21–30 PT BLACK DEACTIVATED 31–40 PAN INVERT 41–50 TILT INVERT 51–60 PT INVERT OFF 61–70 STUDIO 71–80 POWER 81–100 LIVE 101–110 DIM4 111–120 DIM3 121–130 DIM2 131–140 DIM1 141–150 DIM0 151–160 1200HZ 161–170 2400HZ 171–180 4000HZ 181–190 6000HZ 191–200 25000HZ 201–210 ALL RESET 211–220 XY RESET 221–230 COLOR RESET 231–255 OTHER RESET