Leding

Razer 450i profile



Manufacturer	**Leding**
Type	**Profile spot**
DMX modes	**3**
DMX footprint	**34, 41, 56 channels**
Beam angle	**3-52°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**254 × 432 × 244 mm**
GDTF fixture type	**021DF174-67D0-4635-AA21-BD…**

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	34 ch
Standard	41 ch
Extend	56 ch

Basic

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Pan Rotate	0	0–63 Stop by spin out 64–127 Stop by shortcut 128–189 Forwards Pan rotation 190–193 Pause 194–255 Backwards Pan rotation
5	Cyan	0	
6	Magenta	0	
7	Yellow	0	
8	C TO	0	
9	Color Macro1	0	0–19 No Function 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 7000K 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 Efffect R>G>B>R
10	Color Mix MSpeed	0	
11	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Color 1 (wheel slot 2) 16–23 Color 2 (wheel slot 3) 24–31 Color 3 (wheel slot 4) 32–39 Color 4 (wheel slot 5) 40–47 Color 5 (wheel slot 6) 48–55 Color 6 (wheel slot 7) 56–190 whell 192–221 >>> 222–223 STOP 224–255 <<<

Basic (continued)

Ch	Function	Default	DMX values
12	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 Shake 1 (wheel slot 2) 75–82 Shake 2 (wheel slot 3) 83–90 Shake 3 (wheel slot 4) 91–98 Shake 4 (wheel slot 5) 99–106 Shake 5 (wheel slot 6) 107–114 Shake 6 (wheel slot 7) 115–122 Shake 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
13	Gobo Rotation	0	0–120 0-360 121–125 STOP 126–164 SHAKE 165–169 STOP 170–209 >>> 210–214 STOP 215–255 <<<
14	Animation Wheel1	0	0–254 OPEN (wheel slot 1) 255–255 INSERT (wheel slot 2)
15	Gobo Rotation	0	0–10 Open 11–127 <<< 128–138 Stop 139–255 >>>
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	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–200 <<< 201–205 Stop 206–255 >>>
18	Frost1	0	
19	Iris	0	0–127 Open 128–129 Closed 130–170 Pulse close 171–210 Pulse open 211–250 Fast 251–255 Closed
20	Zoom	128	0–127 Wide 128–254 Center 255–255 Narrow
21	Focus	127	

Basic (continued)

Ch	Function	Default	DMX values
22	Focus2	0	0–12 No Function 13–39 3 meters 40–66 5 meters 67–93 7 meters 94–120 9 meters 121–146 11 meters 147–173 13 meters 174–200 15 meters 201–227 17 meters 228–255 19 meters
23	Blade1A	0	
24	Blade1B	0	
25	Blade2A	0	
26	Blade2B	0	
27	Blade3A	0	
28	Blade3B	0	
29	Blade4A	0	
30	Blade4B	0	
31	Shaper Rot	128	
32	Dimmer	0	0–254 closed 255–255 open
33	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
34	Control1	0	0–10 NO FUNCTION 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION

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	Pan Rotate	0	0–63 Stop by spin out 64–127 Stop by shortcut 128–189 Forwards Pan rotation 190–193 Pause 194–255 Backwards Pan rotation
7	Cyan	0	
8	Magenta	0	
9	Yellow	0	
10	C TO	0	

Standard (continued)

Ch	Function	Default	DMX values
11	Color Macro1	0	0–19 No Function 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 7000K 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 Efffect R>G>B>R
12	Color Mix MSpeed	0	
13	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Color 1 (wheel slot 2) 16–23 Color 2 (wheel slot 3) 24–31 Color 3 (wheel slot 4) 32–39 Color 4 (wheel slot 5) 40–47 Color 5 (wheel slot 6) 48–55 Color 6 (wheel slot 7) 56–190 whell 192–221 >>> 222–223 STOP 224–255 <<<
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 Shake 1 (wheel slot 2) 75–82 Shake 2 (wheel slot 3) 83–90 Shake 3 (wheel slot 4) 91–98 Shake 4 (wheel slot 5) 99–106 Shake 5 (wheel slot 6) 107–114 Shake 6 (wheel slot 7) 115–122 Shake 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<

Standard (continued)

Ch	Function	Default	DMX values
15	Gobo Rotation	0	0–120 0-360 121–125 STOP 126–165 SHAKE 166–170 STOP 171–210 >>> 211–215 STOP 216–255 <<<
16	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
17	Animation Wheel1	0	0–254 OPEN (wheel slot 1) 255–255 INSERT (wheel slot 2)
18	Gobo Rotation	0	0–10 Open 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	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–200 <<< 201–205 Stop 206–255 >>>
21	Frost1	0	
22	Iris	0	0–127 Open 128–129 Closed 130–170 Pulse close 171–210 Pulse open 211–250 Fast 251–255 Closed
23	Zoom	128	0–127 Wide 128–254 Center 255–255 Narrow
24	Zoom Fine	0	Fine byte of Zoom
25	Focus	127	
26	Focus Fine	127	Fine byte of Focus
27	Focus2	0	0–12 No Function 13–39 3 meters 40–66 5 meters 67–93 7 meters 94–120 9 meters 121–147 11 meters 148–174 13 meters 175–201 15 meters 202–228 17 meters 229–255 19 meters
28	Focus2 Fine	0	Fine byte of Focus2
29	Blade1A	0	
30	Blade1B	0	
31	Blade2A	0	
32	Blade2B	0	
33	Blade3A	0	

Standard (continued)

Ch	Function	Default	DMX values
34	Blade3B	0	
35	Blade4A	0	
36	Blade4B	0	
37	Shaper Rot	128	
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 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION

Extend

56 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	

Extend (continued)

Ch	Function	Default	DMX values
6	Pan Rotate	0	0–63 Stop by spin out 64–127 Stop by shortcut 128–189 Forwards Pan rotation 190–193 Pause 194–255 Backwards Pan rotation
7	Cyan	0	
8	Cyan Fine	0	Fine byte of Cyan
9	Magenta	0	
10	Magenta Fine	0	Fine byte of Magenta
11	Yellow	0	
12	Yellow Fine	0	Fine byte of Yellow
13	C TO	0	
14	C TO Fine	0	Fine byte of C TO
15	Color Macro1	0	0–19 No Function 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 7000K 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 Efffect R>G>B>R
16	Color Mix MSpeed	0	
17	Color Wheel	0	0–7 White (wheel slot 1) 8–15 Color 1 (wheel slot 2) 16–23 Color 2 (wheel slot 3) 24–31 Color 3 (wheel slot 4) 32–39 Color 4 (wheel slot 5) 40–47 Color 5 (wheel slot 6) 48–55 Color 6 (wheel slot 7) 56–190 whell 192–222 >>> 223–224 STOP 225–255 <<<
18	Color Wheel Fine	0	Fine byte of Color Wheel

Extend (continued)

Ch	Function	Default	DMX values
19	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 Shake 1 (wheel slot 2) 75–82 Shake 2 (wheel slot 3) 83–90 Shake 3 (wheel slot 4) 91–98 Shake 4 (wheel slot 5) 99–106 Shake 5 (wheel slot 6) 107–114 Shake 6 (wheel slot 7) 115–122 Shake 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–190 >>> 191–192 STOP 193–255 <<<
20	Gobo Rotation	0	0–120 0-360 121–125 STOP 126–165 SHAKE 166–170 STOP 171–210 >>> 211–215 STOP 216–255 <<<
21	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
22	Animation Wheel1	0	0–254 OPEN (wheel slot 1) 255–255 INSERT (wheel slot 2)
23	Gobo Rotation	0	0–10 Open 11–127 <<< 128–138 Stop 139–255 >>>
24	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)
25	Prism	0	0–10 Open (wheel slot 1) 11–145 0-360 (wheel slot 2) 146–150 Stop (wheel slot 2) 151–200 <<< 201–205 Stop 206–255 >>>
26	Frost1	0	
27	Iris	0	0–127 Open 128–130 Closed 131–170 Pulse close 171–210 Pulse open 211–250 Fast 251–255 Closed
28	Iris Fine	0	Fine byte of Iris
29	Zoom	128	0–127 Wide 128–254 Center 255–255 Narrow
30	Zoom Fine	0	Fine byte of Zoom
31	Focus	127	

Extend (continued)

Ch	Function	Default	DMX values
32	Focus Fine	127	Fine byte of Focus
33	Focus2	0	0–12 No Function 13–39 3 meters 40–66 5 meters 67–93 7 meters 94–120 9 meters 121–147 11 meters 148–174 13 meters 175–201 15 meters 202–228 17 meters 229–255 19 meters
34	Focus2 Fine	0	Fine byte of Focus2
35	Blade1A	0	
36	Blade1A Fine	0	Fine byte of Blade1A
37	Blade1B	0	
38	Blade1B Fine	0	Fine byte of Blade1B
39	Blade2A	0	
40	Blade2A Fine	0	Fine byte of Blade2A
41	Blade2B	0	
42	Blade2B Fine	0	Fine byte of Blade2B
43	Blade3A	0	
44	Blade3A Fine	0	Fine byte of Blade3A
45	Blade3B	0	
46	Blade3B Fine	0	Fine byte of Blade3B
47	Blade4A	0	
48	Blade4A Fine	0	Fine byte of Blade4A
49	Blade4B	0	
50	Blade4B Fine	0	Fine byte of Blade4B
51	Shaper Rot	128	
52	Shaper Rot Fine	0	Fine byte of Shaper Rot
53	Dimmer	0	0–254 closed 255–255 open
54	Dimmer Fine	0	Fine byte of Dimmer
55	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

Extend (continued)

Ch	Function	Default	DMX values
56	Control1	0	0–10 NO FUNCTION 11–15 PAN/TILT BLACK ACTIVATED 16–20 PAN/TILT BLACK DEACTIVATED 21–25 PAN INVERT 26–30 TILT INVERT 31–35 PAN/TILT INVERT OFF 36–40 PAN DEGREE 630 41–45 PAN DEGREE 540 46–50 Sun Protection On 51–55 Sun Protection Off 56–100 No function 101–105 STUDIO 106–110 POWER 111–115 LIVE 116–130 RESERVED 131–135 DIMMER SPEED Halogen 136–140 DIMMER SPEED LED 141–145 DIMMER CURVE LINEAR 146–150 DIMMER CURVE SQUARE LAW 151–155 DIMMER CURVE INV-SQUARE LAW 156–160 DIMMER CURVE S-CURVE 161–165 1200Hz 166–170 2400Hz 171–175 4000Hz 176–180 6000Hz 181–185 25000Hz 186–200 RESERVED 201–205 ALL RESET 206–210 XY RESET 211–215 COLOR/GOBO SYS 216–220 FOCUS/ZOOM RESET 221–255 NO FUNCTION