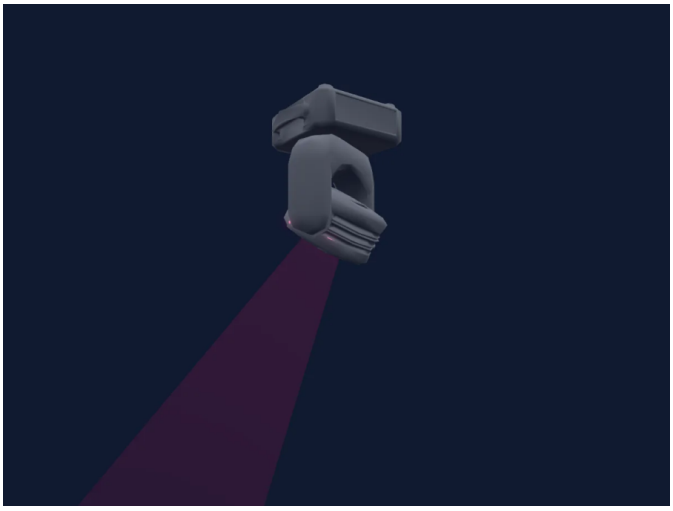
Ayrton

MagicRing R1



Manufacturer	**Ayrton**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**18, 20, 44 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**201 × 114 × 207 mm**
GDTF fixture type	**07C74793-0990-423D-9C27-3B…**

Controls

Extra LED colours · RGB colour mixing · Colour wheel · Dimmer · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

Basic	18 ch
Standard	20 ch
Extended	44 ch

Basic

18 channels

Ch	Function	Default	DMX values
1	Pan	170	
2	Tilt	128	
3	Position MSpeed	0	
4	Pan Rotate	0	0–63 Stop by SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
5	Tilt Rotate	0	0–63 Stop by SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
6	Red	0	
7	Green	0	
8	Blue	0	
9	White	255	
10	Shutter1Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 Min 80–94 Mid 95–95 Max 96–127 LED ON 1 128–144 Min 145–158 Mid 159–159 Max 160–191 LED ON 2 192–209 Min 210–222 Mid 223–223 Max 224–255 LED ON 3
11	Dimmer	0	
12	Color Macro1	0	

Basic (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–9 No Fonction (wheel slot 1) 10–19 White2700k (wheel slot 2) 20–29 White3200k (wheel slot 3) 30–39 White4200k (wheel slot 4) 40–49 White5600k (wheel slot 5) 50–59 White6500k (wheel slot 6) 60–69 White8000k (wheel slot 7) 70–79 Y ellow (wheel slot 8) 80–89 Magenta (wheel slot 9) 90–99 Cyan (wheel slot 10) 100–109 Salmon (wheel slot 11) 110–119 Turquoise (wheel slot 12) 120–129 Light Green (wheel slot 13) 130–139 Steel Blue (wheel slot 14) 140–149 Orange (wheel slot 15) 150–159 Straw (wheel slot 16) 160–169 Pale Lavander (wheel slot 17) 170–179 Pink (wheel slot 18) 180–189 Red (wheel slot 19) 190–199 Green (wheel slot 20) 200–209 Blue (wheel slot 21) 210–255 White (wheel slot 22)
14	Color Preset Dimmer	0	
15	Chase Patterns	0	
16	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Stop(=0) 135–204 > 205–254 >>> 255–255 >>>>
17	Chase Fade	0	
18	Fixture Global Reset	0	

Standard

20 channels

Ch	Function	Default	DMX values
1	Pan	170	
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 SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Tilt Rotate	0	0–63 Stop by SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
8	Red	0	

Standard (continued)

Ch	Function	Default	DMX values
9	Green	0	
10	Blue	0	
11	White	255	
12	Shutter1Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 Min 80–94 Mid 95–95 Max 96–127 LED ON 1 128–144 Min 145–158 Mid 159–159 Max 160–191 LED ON 2 192–209 Min 210–222 Mid 223–223 Max 224–255 LED ON 3
13	Dimmer	0	
14	Color Macro1	0	
15	Color Wheel	0	0–9 No Fonction (wheel slot 1) 10–19 White2700k (wheel slot 2) 20–29 White3200k (wheel slot 3) 30–39 White4200k (wheel slot 4) 40–49 White5600k (wheel slot 5) 50–59 White6500k (wheel slot 6) 60–69 White8000k (wheel slot 7) 70–79 Y ellow (wheel slot 8) 80–89 Magenta (wheel slot 9) 90–99 Cyan (wheel slot 10) 100–109 Salmon (wheel slot 11) 110–119 Turquoise (wheel slot 12) 120–129 Light Green (wheel slot 13) 130–139 Steel Blue (wheel slot 14) 140–149 Orange (wheel slot 15) 150–159 Straw (wheel slot 16) 160–169 Pale Lavander (wheel slot 17) 170–179 Pink (wheel slot 18) 180–189 Red (wheel slot 19) 190–199 Green (wheel slot 20) 200–209 Blue (wheel slot 21) 210–255 White (wheel slot 22)
16	Color Preset Dimmer	0	
17	Chase Patterns	0	
18	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Stop(=0) 135–204 > 205–254 >> 255–255 >>>
19	Chase Fade	0	
20	Fixture Global Reset	0	

Extended

44 channels

Ch	Function	Default	DMX values
1	Pan	170	
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 SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Tilt Rotate	0	0–63 Stop by SpinOut 64–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
8	Shutter1Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 Min 80–94 Mid 95–95 Max 96–127 LED ON 1 128–144 Min 145–158 Mid 159–159 Max 160–191 LED ON 2 192–209 Min 210–222 Mid 223–223 Max 224–255 LED ON 3
9	Dimmer	0	
10	Color Macro1	0	
11	Color Wheel	0	0–9 No Fonction (wheel slot 1) 10–19 White2700k (wheel slot 2) 20–29 White3200k (wheel slot 3) 30–39 White4200k (wheel slot 4) 40–49 White5600k (wheel slot 5) 50–59 White6500k (wheel slot 6) 60–69 White8000k (wheel slot 7) 70–79 Y ellow (wheel slot 8) 80–89 Magenta (wheel slot 9) 90–99 Cyan (wheel slot 10) 100–109 Salmon (wheel slot 11) 110–119 Turquoise (wheel slot 12) 120–129 Light Green (wheel slot 13) 130–139 Steel Blue (wheel slot 14) 140–149 Orange (wheel slot 15) 150–159 Straw (wheel slot 16) 160–169 Pale Lavander (wheel slot 17) 170–179 Pink (wheel slot 18) 180–189 Red (wheel slot 19) 190–199 Green (wheel slot 20) 200–209 Blue (wheel slot 21) 210–255 White (wheel slot 22)
12	Color Preset Dimmer	0	

Extended (continued)

Ch	Function	Default	DMX values
13	Chase Patterns	0	
14	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Stop(=0) 135–204 > 205–254 >> 255–255 >>>
15	Chase Fade	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Fixture Global Reset	0	