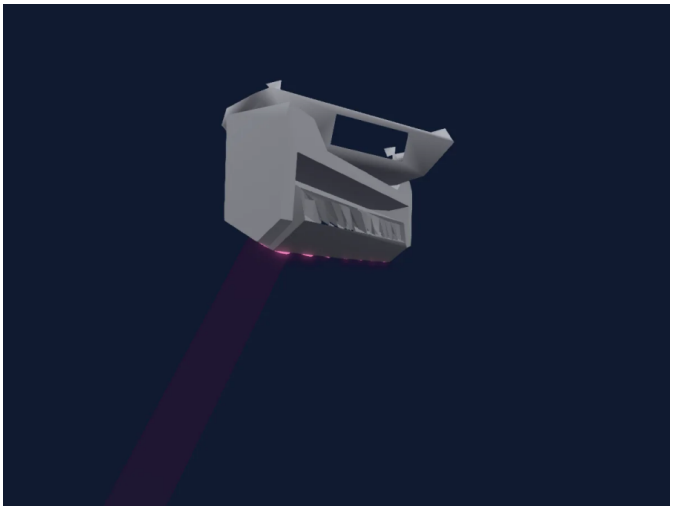
Ayrton

MagicBlade R



Manufacturer	**Ayrton**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**16, 18, 20 channels**
Beam angle	**4.5°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**505 × 101 × 102 mm**
GDTF fixture type	**4B235777-468E-4CE0-8444-B16…**

Controls

Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Extended	16 ch
Basic	18 ch
Standard	20 ch

Extended

16 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–253 PositionMSpeed 1 254–254 Blackout by movement 255–255 NoFeature 3
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	Shutter / Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 MIN STROBE 80–90 MID STROBE 91–91 MAX STROBE 92–127 NoFeature 4 128–139 MIN PULSE 140–158 MID PULSE 159–159 MAX PULSE 160–191 NoFeature 6 192–209 MIN RANDOM 210–222 MID RANDOM 223–223 MAX RANDOM 224–255 NoFeature 8
9	Dimmer	0	0–254 Closed 255–255 Open
10	Color Macro1	0	

Extended (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–4 No Fonction (wheel slot 1) 5–9 White2700k (wheel slot 2) 10–14 White3200k (wheel slot 3) 15–19 White4200k (wheel slot 4) 20–24 White5600k (wheel slot 5) 25–29 White6500k (wheel slot 6) 30–34 White8000k (wheel slot 7) 35–39 Yellow (wheel slot 8) 40–44 Magenta (wheel slot 9) 45–49 Cyan (wheel slot 10) 50–54 Salmon (wheel slot 11) 55–59 Turquoise (wheel slot 12) 60–64 Light Green (wheel slot 13) 65–69 Steel Blue (wheel slot 14) 70–74 Orange (wheel slot 15) 75–79 Straw (wheel slot 16) 80–84 Pale Lavander (wheel slot 17) 85–89 Pink (wheel slot 18) 90–94 Red (wheel slot 19) 95–99 Green (wheel slot 20) 100–104 Blue (wheel slot 21) 105–109 Rainbow1 (wheel slot 22) 110–114 Rainbow 2 (wheel slot 23) 115–119 Rainbow 3 (wheel slot 24) 120–124 Rainbow 4 (wheel slot 25) 125–129 Rainbow 5 (wheel slot 26) 130–134 Rainbow 6 (wheel slot 27) 135–139 Rainbow 7 (wheel slot 28) 140–144 Rainbow 8 (wheel slot 29) 145–149 Rainbow 9 (wheel slot 30) 150–154 Rainbow 10 (wheel slot 31) 155–159 Rainbow 11 (wheel slot 32) 160–164 Rainbow 12 (wheel slot 33) 165–169 Rainbow 13 (wheel slot 34) 170–174 Rainbow 14 (wheel slot 35) 175–179 Rainbow 15 (wheel slot 36) 180–184 Rainbow 16 (wheel slot 37) 185–189 Rainbow 17 (wheel slot 38) 190–194 Rainbow 18 (wheel slot 39) 195–255 Rainbow 19 (wheel slot 40)
12	Chase Patterns	0	
13	Chase Speed	0	
14	Chase Fade	0	
15	Color Dimmer	0	
16	Fixture Global Reset	0	

Basic

18 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Tilt	128	
3	Position MSpeed	0	0–253 PositionMSpeed 1 254–254 Blackout by movement 255–255 NoFeature 3

Basic (continued)

Ch	Function	Default	DMX values
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	Shutter / Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 MIN STROBE 80–90 MID STROBE 91–91 MAX STROBE 92–127 NoFeature 4 128–139 MIN PULSE 140–158 MID PULSE 159–159 MAX PULSE 160–191 NoFeature 6 192–209 MIN RANDOM 210–222 MID RANDOM 223–223 MAX RANDOM 224–255 NoFeature 8
11	Dimmer	0	0–254 Closed 255–255 Open
12	Color Macro1	0	

Basic (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–4 No Fonction (wheel slot 1) 5–9 White2700k (wheel slot 2) 10–14 White3200k (wheel slot 3) 15–19 White4200k (wheel slot 4) 20–24 White5600k (wheel slot 5) 25–29 White6500k (wheel slot 6) 30–34 White8000k (wheel slot 7) 35–39 Yellow (wheel slot 8) 40–44 Magenta (wheel slot 9) 45–49 Cyan (wheel slot 10) 50–54 Salmon (wheel slot 11) 55–59 Turquoise (wheel slot 12) 60–64 Light Green (wheel slot 13) 65–69 Steel Blue (wheel slot 14) 70–74 Orange (wheel slot 15) 75–79 Straw (wheel slot 16) 80–84 Pale Lavander (wheel slot 17) 85–89 Pink (wheel slot 18) 90–94 Red (wheel slot 19) 95–99 Green (wheel slot 20) 100–104 Blue (wheel slot 21) 105–109 Rainbow1 (wheel slot 22) 110–114 Rainbow 2 (wheel slot 23) 115–119 Rainbow 3 (wheel slot 24) 120–124 Rainbow 4 (wheel slot 25) 125–129 Rainbow 5 (wheel slot 26) 130–134 Rainbow 6 (wheel slot 27) 135–139 Rainbow 7 (wheel slot 28) 140–144 Rainbow 8 (wheel slot 29) 145–149 Rainbow 9 (wheel slot 30) 150–154 Rainbow 10 (wheel slot 31) 155–159 Rainbow 11 (wheel slot 32) 160–164 Rainbow 12 (wheel slot 33) 165–169 Rainbow 13 (wheel slot 34) 170–174 Rainbow 14 (wheel slot 35) 175–179 Rainbow 15 (wheel slot 36) 180–184 Rainbow 16 (wheel slot 37) 185–189 Rainbow 17 (wheel slot 38) 190–194 Rainbow 18 (wheel slot 39) 195–255 Rainbow 19 (wheel slot 40)
14	Color Dimmer	0	
15	Chase Patterns	0	
16	Chase Speed	0	
17	Chase Fade	0	
18	Fixture Global Reset	0	

Standard

20 channels

Ch	Function	Default	DMX values
1	Pan	85	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–253 PositionMSpeed 1 254–254 Blackout by movement 255–255 NoFeature 3

Standard (continued)

Ch	Function	Default	DMX values
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	
9	Green	0	
10	Blue	0	
11	White	255	
12	Shutter / Strobe	32	0–31 LED OFF 32–63 LED ON 64–79 MIN STROBE 80–90 MID STROBE 91–91 MAX STROBE 92–127 NoFeature 4 128–139 MIN PULSE 140–158 MID PULSE 159–159 MAX PULSE 160–191 NoFeature 6 192–209 MIN RANDOM 210–222 MID RANDOM 223–223 MAX RANDOM 224–255 NoFeature 8
13	Dimmer	0	0–254 Closed 255–255 Open
14	Color Macro1	0	

Standard (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–4 No Fonction (wheel slot 1) 5–9 White2700k (wheel slot 2) 10–14 White3200k (wheel slot 3) 15–19 White4200k (wheel slot 4) 20–24 White5600k (wheel slot 5) 25–29 White6500k (wheel slot 6) 30–34 White8000k (wheel slot 7) 35–39 Yellow (wheel slot 8) 40–44 Magenta (wheel slot 9) 45–49 Cyan (wheel slot 10) 50–54 Salmon (wheel slot 11) 55–59 Turquoise (wheel slot 12) 60–64 Light Green (wheel slot 13) 65–69 Steel Blue (wheel slot 14) 70–74 Orange (wheel slot 15) 75–79 Straw (wheel slot 16) 80–84 Pale Lavander (wheel slot 17) 85–89 Pink (wheel slot 18) 90–94 Red (wheel slot 19) 95–99 Green (wheel slot 20) 100–104 Blue (wheel slot 21) 105–109 Rainbow1 (wheel slot 22) 110–114 Rainbow 2 (wheel slot 23) 115–119 Rainbow 3 (wheel slot 24) 120–124 Rainbow 4 (wheel slot 25) 125–129 Rainbow 5 (wheel slot 26) 130–134 Rainbow 6 (wheel slot 27) 135–139 Rainbow 7 (wheel slot 28) 140–144 Rainbow 8 (wheel slot 29) 145–149 Rainbow 9 (wheel slot 30) 150–154 Rainbow 10 (wheel slot 31) 155–159 Rainbow 11 (wheel slot 32) 160–164 Rainbow 12 (wheel slot 33) 165–169 Rainbow 13 (wheel slot 34) 170–174 Rainbow 14 (wheel slot 35) 175–179 Rainbow 15 (wheel slot 36) 180–184 Rainbow 16 (wheel slot 37) 185–189 Rainbow 17 (wheel slot 38) 190–194 Rainbow 18 (wheel slot 39) 195–255 Rainbow 19 (wheel slot 40)
16	Color Dimmer	0	
17	Chase Patterns	0	
18	Chase Speed	0	
19	Chase Fade	0	
20	Fixture Global Reset	0	