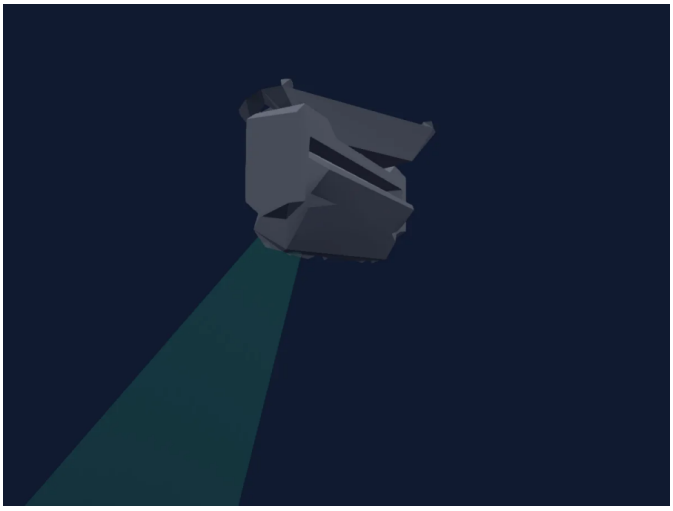
Ayrton

MagicBlade FX



Manufacturer	**Ayrton**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**18, 19, 22 channels**
Beam angle	**3.6-53°**
Pan range	**540°**
Tilt range	**540°**
Size (W × H × D)	**507 × 180 × 102 mm**
GDTF fixture type	**26415B57-5E6F-4241-BA12-AC…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

Extended	18 ch
Basic	19 ch
Standard	22 ch

Extended

18 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	0–224 Max Speed 225–225 Min Speed 226–235 Blackout 236–255 NoFeature
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 Closed 32–63 Open 64–94 Slow Strobe 95–95 Fast Strobe 96–127 Led On 1 130–149 slow pulse 150–159 Fast pulse 160–191 Led On 2 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 Led On 3
9	Dimmer	0	
10	Color Macro1	0	0–7 No color Macro 8–39 Red to Yellow 40–71 Yellow to Green 72–103 Green to Cyan 104–135 Cyan to Blue 136–167 Blue to Magenta 168–199 Magenta to Red 200–231 Red to White 232–255 Crossfade

Extended (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 White 2700k (wheel slot 2) 10–14 White 3200k (wheel slot 3) 15–19 White 4200k (wheel slot 4) 20–24 White 5600k (wheel slot 5) 25–29 White 6500k (wheel slot 6) 30–34 White 8000k (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 White (wheel slot 22) 110–204 Rainbow 1 (wheel slot 23) 205–209 Rainbow 2 (wheel slot 24) 210–255 Rainbow 3 (wheel slot 25)
12	Color1Dimmer	0	
13	Chase	0	0–14 Chase OFF 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 Chase 11 191–206 Chase 12 207–222 Chase 13 223–238 Chase 14 239–255 Chase 15
14	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Stop (=0) 135–204 > 205–254 >> 255–255 >>>
15	Chase Fade	0	0–254 Min Fade 255–255 Max Fade
16	Zoom	127	0–127 Wide 128–254 Middle 255–255 Narrow
17	Zoom Fine	255	Fine byte of Zoom

Extended (continued)

Ch	Function	Default	DMX values
18	Control1	0	0–9 Normal 10–14 Pan 630 15–19 Pan 540 20–24 Tilt 540 25–29 Tilt 270 30–34 Flip Pixel On 35–79 Flip Pixel Off 80–84 All Motor Reset 85–96 Pan/Tilt Motor Reset 97–99 Other Motor Reset 100–119 Internal Prog 1 120–139 Internal Prog 2 140–159 Internal Prog 3 160–179 Internal Prog 4 180–199 Internal Prog 5 200–219 Internal Prog 6 220–255 Internal Prog 7

Basic

19 channels

Ch	Function	Default	DMX values
1	Pan	170	
2	Tilt	128	
3	Position MSpeed	0	0–224 Max Speed 225–225 Min Speed 226–235 Blackout 236–255 NoFeature
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 Closed 32–63 Open 64–94 Slow Strobe 95–95 Fast Strobe 96–127 Led On 1 130–149 slow pulse 150–159 Fast pulse 160–191 Led On 2 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 Led On 3
11	Dimmer	0	

Basic (continued)

Ch	Function	Default	DMX values
12	Color Macro1	0	8–39 Red to Yellow 40–71 Yellow to Green 72–103 Green to Cyan 104–135 Cyan to Blue 136–167 Blue to Magenta 168–199 Magenta to Red 200–231 Red to White 232–255 Crossfade
13	Color1Dimmer	0	
14	Reserved 14	0	
15	Chase	0	0–14 Chase OFF 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 Chase 11 191–206 Chase 12 207–222 Chase 13 223–238 Chase 14 239–255 Chase 15
16	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Empty Channel Set 135–204 > 205–254 >> 255–255 >>>
17	Chase Fade	0	0–254 Min Fade 255–255 Max Fade
18	Zoom	127	0–127 Wide 128–254 Middle 255–255 Narrow
19	Control1	0	0–9 Normal 10–14 Pan 630 15–19 Pan 540 20–24 Tilt 540 25–29 Tilt 270 30–34 Flip Pixel On 35–79 Flip Pixel Off 80–84 All Motor Reset 85–96 Pan/Tilt Motor Reset 97–99 Other Motor Reset 100–119 Internal Prog 1 120–139 Internal Prog 2 140–159 Internal Prog 3 160–179 Internal Prog 4 180–199 Internal Prog 5 200–219 Internal Prog 6 220–255 Internal Prog 7

Standard

22 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	0–224 Max Speed 225–225 Min Speed 226–235 Blackout 236–255 NoFeature
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	Shutter1Strobe	32	0–31 Closed 32–63 Open 64–94 Slow Strobe 95–95 Fast Strobe 96–127 Led On 1 130–149 slow pulse 150–159 Fast pulse 160–191 Led On 2 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 Led On 3
13	Dimmer	0	
14	Color Macro1	0	8–39 Red to Yellow 40–71 Yellow to Green 72–103 Green to Cyan 104–135 Cyan to Blue 136–167 Blue to Magenta 168–199 Magenta to Red 200–231 Red to White 232–255 Crossfade

Standard (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 White 2700k (wheel slot 2) 10–14 White 3200k (wheel slot 3) 15–19 White 4200k (wheel slot 4) 20–24 White 5600k (wheel slot 5) 25–29 White 6500k (wheel slot 6) 30–34 White 8000k (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 White (wheel slot 22) 110–204 Rainbow 1 (wheel slot 23) 205–209 Rainbow 2 (wheel slot 24) 210–255 Rainbow 3 (wheel slot 25)
16	Color1Dimmer	0	
17	Chase	0	0–14 Chase OFF 15–30 Chase 1 31–46 Chase 2 47–62 Chase 3 63–78 Chase 4 79–94 Chase 5 95–110 Chase 6 111–126 Chase 7 127–142 Chase 8 143–158 Chase 9 159–174 Chase 10 175–190 Chase 11 191–206 Chase 12 207–222 Chase 13 223–238 Chase 14 239–255 Chase 15
18	Chase Speed	0	0–49 <<< 50–119 << 120–127 < 128–134 Stop(=0) 135–204 > 205–254 >> 255–255 >>>
19	Chase Fade	0	0–254 Min Fade 255–255 Max Fade
20	Zoom	127	0–127 Wide 128–254 Middle 255–255 Narrow
21	Zoom Fine	255	Fine byte of Zoom

Standard (continued)

Ch	Function	Default	DMX values
22	Control1	0	0–9 Normal 10–14 Pan 630 15–19 Pan 540 20–24 Tilt 540 25–29 Tilt 270 30–34 Flip Pixel On 35–79 Flip Pixel Off 80–84 All Motor Reset 85–96 Pan/Tilt Motor Reset 97–99 Other Motor Reset 100–119 Internal Prog 1 120–139 Internal Prog 2 140–159 Internal Prog 3 160–179 Internal Prog 4 180–199 Internal Prog 5 200–219 Internal Prog 6 220–255 Internal Prog 7