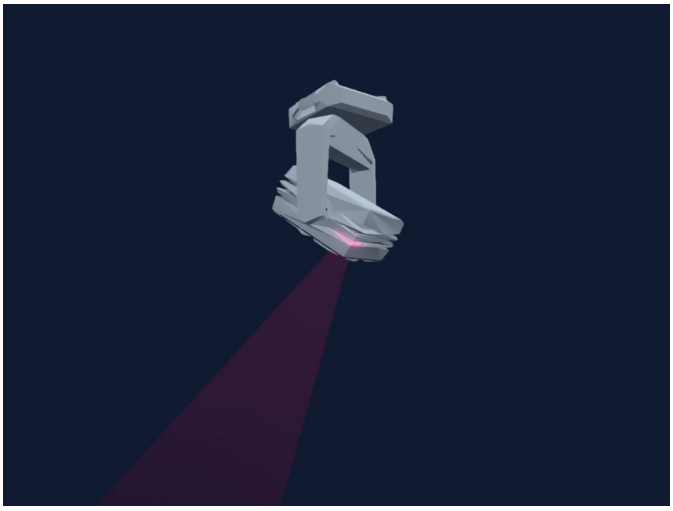
Ayrton

MagicPanel 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)	**405 × 199 × 391 mm**
GDTF fixture type	**D20698F0-142D-49EF-A284-1F…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Extended	18 ch
Basic	19 ch
Standard	22 ch

Extended

18 channels

Ch	Function	Default	DMX values
1	Pan	170	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Max Speed 225–225 Min Speed 226–235 Blackout by movement 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 LED OFF 32–63 LED ON 64–94 Slow Strobe 95–95 Fast Strobe 96–127 NoFeature 4 128–159 Pulse 160–191 NoFeature 6 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 NoFeature 8
9	Dimmer	0	
10	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

Extended (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–4 Open (wheel slot 25) 5–9 White 2700k (wheel slot 1) 10–14 White 3200k (wheel slot 2) 15–19 White 4200k (wheel slot 3) 20–24 White 5600k (wheel slot 4) 25–29 White 6500k (wheel slot 5) 30–34 White 8000k (wheel slot 6) 35–39 Yellow (wheel slot 7) 40–44 Magenta (wheel slot 8) 45–49 Cyan (wheel slot 9) 50–54 Salmon (wheel slot 10) 55–59 Turquoise (wheel slot 11) 60–64 Light Green (wheel slot 12) 65–69 Steel Blue (wheel slot 13) 70–74 Orange (wheel slot 14) 75–79 Straw (wheel slot 15) 80–84 Pale Lavander (wheel slot 16) 85–89 Pink (wheel slot 17) 90–94 Red (wheel slot 18) 95–99 Green (wheel slot 19) 100–104 Blue (wheel slot 20) 105–109 White (wheel slot 21) 110–114 Rainbow 1 (wheel slot 22) 115–119 Rainbow 2 (wheel slot 23) 120–255 Rainbow 3 (wheel slot 24)
12	Color1Dimmer	0	
13	Chase	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	0–254 Min Fade 255–255 Max Fade
16	Zoom	128	0–126 Narrow 127–254 Mid 255–255 Wide
17	Zoom Fine	0	Fine byte of Zoom
18	Control1	0	0–79 Normal 80–84 All Motor Reset 85–96 Scan 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	0–127 Min 128–254 Centre 255–255 Max

Basic (continued)

Ch	Function	Default	DMX values
2	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
3	Position MSpeed	0	0–224 Max Speed 225–225 Min Speed 226–235 Blackout by movement 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	Shutter / Strobe	32	0–31 LedOff 32–63 Led On 64–94 Slow Strobe 95–95 Fast Strobe 96–127 NoFeature 4 128–159 Pulse 160–191 NoFeature 6 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 NoFeature 8
11	Dimmer	0	
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

Basic (continued)

Ch	Function	Default	DMX values
13	Color Wheel	0	0–4 Open (wheel slot 25) 5–9 White 2700k (wheel slot 1) 10–14 White 3200k (wheel slot 2) 15–19 White 4200k (wheel slot 3) 20–24 White 5600k (wheel slot 4) 25–29 White 6500k (wheel slot 5) 30–34 White 8000k (wheel slot 6) 35–39 Yellow (wheel slot 7) 40–44 Magenta (wheel slot 8) 45–49 Cyan (wheel slot 9) 50–54 Salmon (wheel slot 10) 55–59 Turquoise (wheel slot 11) 60–64 Light Green (wheel slot 12) 65–69 Steel Blue (wheel slot 13) 70–74 Orange (wheel slot 14) 75–79 Straw (wheel slot 15) 80–84 Pale Lavander (wheel slot 16) 85–89 Pink (wheel slot 17) 90–94 Red (wheel slot 18) 95–99 Green (wheel slot 19) 100–104 Blue (wheel slot 20) 105–109 White (wheel slot 21) 110–114 Rainbow 1 (wheel slot 22) 115–119 Rainbow 2 (wheel slot 23) 120–255 Rainbow 3 (wheel slot 24)
14	Color1Dimmer	0	
15	Chase	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	0–254 Min Fade 255–255 Max Fade
18	Zoom	128	
19	Control1	0	0–79 Normal 80–84 All Motor Reset 85–96 Scan 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	0–127 Min 128–254 Centre 255–255 Max
2	Pan Fine	0	Fine byte of Pan

Standard (continued)

Ch	Function	Default	DMX values
3	Tilt	128	0–127 Min 128–254 Centre 255–255 Max
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Max Speed 225–225 Min Speed 226–235 Blackout by movement 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	Shutter / Strobe	32	0–31 LedOff 32–63 Led On 64–94 Slow Strobe 95–95 Fast Strobe 96–127 NoFeature 4 128–159 Pulse 160–191 NoFeature 6 192–222 Slow Random Strobe 223–223 Fast Random Strobe 224–255 NoFeature 8
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 25) 5–9 White 2700k (wheel slot 1) 10–14 White 3200k (wheel slot 2) 15–19 White 4200k (wheel slot 3) 20–24 White 5600k (wheel slot 4) 25–29 White 6500k (wheel slot 5) 30–34 White 8000k (wheel slot 6) 35–39 Yellow (wheel slot 7) 40–44 Magenta (wheel slot 8) 45–49 Cyan (wheel slot 9) 50–54 Salmon (wheel slot 10) 55–59 Turquoise (wheel slot 11) 60–64 Light Green (wheel slot 12) 65–69 Steel Blue (wheel slot 13) 70–74 Orange (wheel slot 14) 75–79 Straw (wheel slot 15) 80–84 Pale Lavander (wheel slot 16) 85–89 Pink (wheel slot 17) 90–94 Red (wheel slot 18) 95–99 Green (wheel slot 19) 100–104 Blue (wheel slot 20) 105–109 White (wheel slot 21) 110–114 Rainbow 1 (wheel slot 22) 115–119 Rainbow 2 (wheel slot 23) 120–255 Rainbow 3 (wheel slot 24)
16	Color1Dimmer	0	
17	Chase	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	0–254 Min Fade 255–255 Max Fade
20	Zoom	128	0–254 Wide 255–255 Narrow
21	Zoom Fine	0	Fine byte of Zoom
22	Control1	0	0–79 Normal 80–84 All Motor Reset 85–96 Scan 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