Ayrton

MagicDot Neo



Manufacturer	**Ayrton**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**35 channels**
Beam angle	**3-30°**
Pan range	**540°**
Tilt range	**270°**
Heads / cells	**3**
Size (W × H × D)	**145 × 180 × 197 mm**
GDTF fixture type	**9B63C156-4153-4800-9611-34F…**

Controls

Zoom · Extra LED colours · Colour temperature · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

Extended_540	35 ch
Extended_540_Pixel	35 ch

Extended_540

35 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	Pan Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
6	Tilt Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Tint	0	0–0 Tint Off 1–255 Tint
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	Shutter / Strobe	32	0–31 Led OFF 32–63 Led ON 64–75 Strobe slow 76–94 Strobe Mid 95–95 Strobe Fast 96–127 LED ON 128–142 Pulse Slow 143–158 Pulse Mid 159–159 Pulse Fast 160–191 LED ON 1 192–199 Random Slow 200–222 Random Mid 223–223 Random Fast 224–255 LED ON 2
17	Dimmer	0	0–254 closed 255–255 open
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC
20	Zoom	128	0–127 Wide 128–254 mid 255–255 Narrow
21	Zoom Fine	0	Fine byte of Zoom

Extended_540 (continued)

Ch	Function	Default	DMX values
22	Control1	0	0–4 No Function 5–9 Display Off 10–14 Display On 15–19 Display Inv Off 20–24 Display Inv On 25–26 Auto Fan 27–28 Stage Fan 29–30 Silence Fan 31–32 Super Silence Fan 33–34 Constant Fan OFF 35–36 Constant Fan ON 37–44 unused 45–49 Square Law 50–54 Linear 55–58 1200 Hz 59–62 2400 Hz 63–66 16000 Hz 67–69 25000 Hz 70–72 PAN 540 73–75 PAN 630 76–78 PAN 360SC 79–81 TILT 540 82–84 TILT 270 85–87 TILT 360SC 88–90 All Motor Reset 91–93 Pan/Tilt Motor Reset 94–96 Zoom Motor Reset 97–99 Tungsten lamp simulation 500W 100–102 Tungsten lamp simulation 1000W 103–105 Tungsten lamp simulation 2500W 106–107 Tungsten lamp simulation 5000W 108–109 Tungsten lamp simulation OFF 151–153 Feedback Off 154–255 Feedback On
23	Dimmer	0	
24	Dimmer Fine	0	Fine byte of Dimmer
25	Red	255	
26	Green	255	
27	Blue	255	
28	Dimmer	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	Liquid Patterns	0	
33	Liquid Speed	0	
34	Liquid Size	128	
35	Liquid Control	0	0–9 React to Zonda Patterns 10–19 React to ArtNet or sACN 20–255 Reserved

Extended_540_Pixel

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan

Extended_540_Pixel (continued)

Ch	Function	Default	DMX values
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
6	Tilt Rotate	0	32–84 Stop by SpinOut 85–127 Stop by ShortCut 128–188 CW max 189–189 CW min 190–193 Pause 194–254 CCW min 255–255 CCW max
7	Tint	0	0–0 Tint Off 1–255 Tint
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add GY	255	
15	Color Add GY Fine	255	Fine byte of Color Add GY
16	Shutter / Strobe	32	0–31 Led OFF 32–63 Led ON 64–75 Strobe slow 76–94 Strobe Mid 95–95 Strobe Fast 96–127 LED ON 128–142 Pulse Slow 143–158 Pulse Mid 159–159 Pulse Fast 160–191 LED ON 1 192–199 Random Slow 200–222 Random Mid 223–223 Random Fast 224–255 LED ON 2
17	Dimmer	0	0–254 closed 255–255 open
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC
20	Zoom	128	0–127 Wide 128–254 mid 255–255 Narrow
21	Zoom Fine	0	Fine byte of Zoom

Extended_540_Pixel (continued)

Ch	Function	Default	DMX values
22	Control1	0	0–4 No Function 5–9 Display Off 10–14 Display On 15–19 Display Inv Off 20–24 Display Inv On 25–26 Auto Fan 27–28 Stage Fan 29–30 Silence Fan 31–32 Super Silence Fan 33–34 Constant Fan OFF 35–36 Constant Fan ON 37–44 unused 45–49 Square Law 50–54 Linear 55–58 1200 Hz 59–62 2400 Hz 63–66 16000 Hz 67–69 25000 Hz 70–72 PAN 540 73–75 PAN 630 76–78 PAN 360SC 79–81 TILT 540 82–84 TILT 270 85–87 TILT 360SC 88–90 All Motor Reset 91–93 Pan/Tilt Motor Reset 94–96 Zoom Motor Reset 97–99 Tungsten lamp simulation 500W 100–102 Tungsten lamp simulation 1000W 103–105 Tungsten lamp simulation 2500W 106–107 Tungsten lamp simulation 5000W 108–109 Tungsten lamp simulation OFF 151–153 Feedback Off 154–255 Feedback On
23	Dimmer	0	
24	Dimmer Fine	0	Fine byte of Dimmer
25	Red	255	
26	Green	255	
27	Blue	255	
28	Dimmer	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	Liquid Patterns	0	
33	Liquid Speed	0	
34	Liquid Size	128	
35	Liquid Control	0	0–9 React to Zonda Patterns 10–19 React to ArtNet or sACN 20–255 Reserved