Ayrton

Nando 1202



Manufacturer	**Ayrton**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**26, 37, 38, 50 channels**
Beam angle	**3.5-65°**
Pan range	**542.12°**
Tilt range	**225.882°**
Heads / cells	**6**
Size (W × H × D)	**362 × 277 × 368 mm**
GDTF fixture type	**80AE1020-FC4F-4054-83C1-564…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Haze or smoke output · Lamp on and off · Fixture reset · Service functions

DMX modes

Basic	26 ch
Standard	37 ch
Extended Pixel 1U	38 ch
Extended Pixel 2U	38 ch
Extended Ring 2U	38 ch
Extended Ring 1U	50 ch

Basic

26 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	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	
7	No Feature Fine	0	Fine byte of No Feature
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	255	
18	Dimmer Fine	254	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Basic (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Basic (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Standard

37 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	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	
7	No Feature Fine	0	Fine byte of No Feature
8	Red	255	

Standard (continued)

Ch	Function	Default	DMX values
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	
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Standard (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Standard (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Standard (continued)

Ch	Function	Default	DMX values
27	Chase Patterns	0	0–9 Chse OFF 10–14 Chase 1 15–19 Chase 2 20–24 Chase 3 25–29 Chase 4 30–34 Chase 5 35–39 Chase 6 40–44 Chase 7 45–49 Chase 8 50–54 Chase 9 55–59 Chase 10 60–64 Chase 11 65–69 Chase 12 70–74 Chase 13 75–79 Chase 14 80–84 Chase 15 85–89 Chase 16 90–94 Chase 17 95–99 Chase 18 100–104 Chase 19 105–109 Chase 20 110–114 Chase 21 115–119 Chase 22 120–255 NoFeature 1
28	Chase Speed	0	0–125 Fast to Slow Backward 126–130 Empty Channel Set 131–255 Slow to Fast Forward
29	Chase Fade	0	
30	Chase Size	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add GY	255	
35	Dimmer	0	
36	Back Chase Dimmer	0	
37	Shutter / Strobe 2	32	0–31 Chase dimmer OFF 32–63 Chase Dimmer ON 64–95 Shutter1Strobe 3 96–127 NoFeature 4 128–159 Shutter1StrobePulse 5 160–191 NoFeature 6 192–223 Shutter1StrobeRandom 7 224–255 NoFeature 8

Extended Pixel 1U

38 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	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	

Extended Pixel 1U (continued)

Ch	Function	Default	DMX values
7	No Feature Fine	0	Fine byte of No Feature
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	
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Extended Pixel 1U (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Extended Pixel 1U (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Extended Pixel 1U (continued)

Ch	Function	Default	DMX values
27	Chase Patterns	0	0–9 Chse OFF 10–14 Chase 1 15–19 Chase 2 20–24 Chase 3 25–29 Chase 4 30–34 Chase 5 35–39 Chase 6 40–44 Chase 7 45–49 Chase 8 50–54 Chase 9 55–59 Chase 10 60–64 Chase 11 65–69 Chase 12 70–74 Chase 13 75–79 Chase 14 80–84 Chase 15 85–89 Chase 16 90–94 Chase 17 95–99 Chase 18 100–104 Chase 19 105–109 Chase 20 110–114 Chase 21 115–119 Chase 22 120–255 NoFeature 1
28	Chase Speed	0	0–125 Fast to Slow Backward 126–130 Empty Channel Set 131–255 Slow to Fast Forward
29	Chase Fade	0	
30	Chase Size	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add GY	255	
35	Dimmer	0	
36	Back Chase Dimmer	0	
37	Shutter / Strobe 2	32	0–31 Chase dimmer OFF 32–63 Chase Dimmer ON 64–95 Shutter1Strobe 3 96–127 NoFeature 4 128–159 Shutter1StrobePulse 5 160–191 NoFeature 6 192–223 Shutter1StrobeRandom 7 224–255 NoFeature 8
38	Led Control	128	0–127 Full Control 128–254 Middle 255–255 Pixel Control

Extended Pixel 2U

38 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

Extended Pixel 2U (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	
7	No Feature Fine	0	Fine byte of No Feature
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	
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Extended Pixel 2U (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Extended Pixel 2U (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Extended Pixel 2U (continued)

Ch	Function	Default	DMX values
27	Chase Patterns	0	0–9 Chse OFF 10–14 Chase 1 15–19 Chase 2 20–24 Chase 3 25–29 Chase 4 30–34 Chase 5 35–39 Chase 6 40–44 Chase 7 45–49 Chase 8 50–54 Chase 9 55–59 Chase 10 60–64 Chase 11 65–69 Chase 12 70–74 Chase 13 75–79 Chase 14 80–84 Chase 15 85–89 Chase 16 90–94 Chase 17 95–99 Chase 18 100–104 Chase 19 105–109 Chase 20 110–114 Chase 21 115–119 Chase 22 120–255 NoFeature 1
28	Chase Speed	0	0–125 Fast to Slow Backward 126–130 Empty Channel Set 131–255 Slow to Fast Forward
29	Chase Fade	0	
30	Chase Size	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add GY	255	
35	Dimmer	0	
36	Back Chase Dimmer	0	
37	Shutter / Strobe 2	32	0–31 Chase dimmer OFF 32–63 Chase Dimmer ON 64–95 Shutter1Strobe 3 96–127 NoFeature 4 128–159 Shutter1StrobePulse 5 160–191 NoFeature 6 192–223 Shutter1StrobeRandom 7 224–255 NoFeature 8
38	Led Control	128	0–127 Full Control 128–254 Middle 255–255 Pixel Control

Extended Ring 2U

38 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

Extended Ring 2U (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	
7	No Feature Fine	0	Fine byte of No Feature
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	
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Extended Ring 2U (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Extended Ring 2U (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Extended Ring 2U (continued)

Ch	Function	Default	DMX values
27	Chase Patterns	0	0–9 Chse OFF 10–14 Chase 1 15–19 Chase 2 20–24 Chase 3 25–29 Chase 4 30–34 Chase 5 35–39 Chase 6 40–44 Chase 7 45–49 Chase 8 50–54 Chase 9 55–59 Chase 10 60–64 Chase 11 65–69 Chase 12 70–74 Chase 13 75–79 Chase 14 80–84 Chase 15 85–89 Chase 16 90–94 Chase 17 95–99 Chase 18 100–104 Chase 19 105–109 Chase 20 110–114 Chase 21 115–119 Chase 22 120–255 NoFeature 1
28	Chase Speed	0	0–125 Fast to Slow Backward 126–130 Empty Channel Set 131–255 Slow to Fast Forward
29	Chase Fade	0	
30	Chase Size	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add GY	255	
35	Dimmer	0	
36	Back Chase Dimmer	0	
37	Shutter / Strobe 2	32	0–31 Chase dimmer OFF 32–63 Chase Dimmer ON 64–95 Shutter1Strobe 3 96–127 NoFeature 4 128–159 Shutter1StrobePulse 5 160–191 NoFeature 6 192–223 Shutter1StrobeRandom 7 224–255 NoFeature 8
38	Led Control	128	0–127 Full Control 128–254 Middle 255–255 Pixel Control

Extended Ring 1U

50 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

Extended Ring 1U (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	0–225 Max to Min Speed 226–235 Blackout by movement 236–255 No Fonction
6	No Feature	0	
7	No Feature Fine	0	Fine byte of No Feature
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	
18	Dimmer Fine	0	Fine byte of Dimmer
19	C TC	0	0–9 RGBL 10–21 RGB 22–255 CTC

Extended Ring 1U (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–2 Open (wheel slot 1) 3–3 LAVENDER TINT (wheel slot 2) 4–6 MEDIUM BASTARD AMBER (wheel slot 3) 7–7 PALE YELLOW (wheel slot 4) 8–8 DARK SALMON (wheel slot 5) 9–9 PALE AMBER GOLD (wheel slot 6) 10–12 MEDIUM YELLOW (wheel slot 7) 13–14 STRAW TINT (wheel slot 8) 15–16 DEEP STRAW (wheel slot 9) 17–19 SURPRISE PEACH (wheel slot 10) 20–20 MEDIUM AMBER (wheel slot 11) 21–21 GOLD AMBER (wheel slot 12) 22–23 DARK AMBER (wheel slot 13) 24–24 SCARLET (wheel slot 14) 25–25 SUNSET RED (wheel slot 15) 26–28 BRIGHT RED (wheel slot 16) 29–34 PALSA RED (wheel slot 17) 35–35 LIGHT PINK (wheel slot 18) 36–45 MEDIUM PINK (wheel slot 19) 46–47 DARK MAGENTA (wheel slot 20) 48–51 DARK PURPLE (wheel slot 21) 52–52 LIGHT LAVENDER (wheel slot 22) 53–57 PALE LAVENDER (wheel slot 23) 58–62 LAVENDER (wheel slot 24) 63–67 PALE BLUE (wheel slot 25) 68–70 SKY BLUE (wheel slot 26) 71–74 TOKIO BLUE (wheel slot 27) 75–78 EVENING BLUE (wheel slot 28) 79–84 JUST BLUE (wheel slot 29) 85–87 DEEPER BLUE (wheel slot 30) 88–88 LIME GREEN (wheel slot 31) 89–89 MOSS GREEN (wheel slot 32) 90–99 DARKYELLOW GREEN (wheel slot 33) 100–100 SPRING YELLOW (wheel slot 34) 101–101 YELLOW (wheel slot 35) 102–102 LIGHT AMBER (wheel slot 36) 103–103 STRAW (wheel slot 37) 104–104 DEEP AMBER (wheel slot 38) 105–105 ORANGE (wheel slot 39) 106–106 PRIMAY RED (wheel slot 40) 107–107 LIGHT ROSE (wheel slot 41) 108–108 ENGLISH ROSE (wheel slot 42) 109–109 LIGHT SALMON (wheel slot 43) 110–110 MIDDLE ROSE (wheel slot 44) 111–112 DARK PINK (wheel slot 45) 113–115 MAGENTA (wheel slot 46) 116–117 MEDIUM BLUE GREEN (wheel slot 47) 118–118 LIGHT BLUE (wheel slot 48) 119–119 DARK BLUE (wheel slot 49) 120–123 DEEP BLUE (wheel slot 50) 124–125 DARK GREEN (wheel slot 51) 126–126 MAUVE (wheel slot 52) 127–127 SMOKEY PINK (wheel slot 53) 128–131 BRIGHT PINK (wheel slot 54) 132–133 MEDIUM BLUE (wheel slot 55) 134–135 GOLDEN AMBER (wheel slot 56) 136–136 PALE LAVENDER 1 (wheel slot 57) 137–137 SPECIAL LAVENDER (wheel slot 58) 138–138 PALE GREEN (wheel slot 59) 139–139 PRIMARY GREEN (wheel slot 60) 140–140 SUMMER BLUE (wheel slot 61) 141–141 BRIGHT BLUE (wheel slot 62) 142–142 PALE VIOLET (wheel slot 63) 143–146 PALE NAVY BLUE (wheel slot 64)

Extended Ring 1U (continued)

Ch	Function	Default	DMX values
21	Color Mix Mode	0	0–0 Output controled by RGBW values 1–254 Cross fade between RGBW settings and Color preset ... 255–255 Output controled by color preset values
22	Color Crossfade Speed	0	
23	Zoom	0	
24	Zoom Fine	0	Fine byte of Zoom
25	Tint	127	0–0 Tint Off 1–255 Tint
26	Control1	0	0–4 Unused 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 55–57 1200 Hz 58–60 2400 Hz 61–63 16000 Hz 64–69 25000 Hz 70–71 Lamp 500W 72–73 Lamp 1000W 74–75 Lamp 2500W 76–77 Lamp 5000W 78–79 Lamp OFF 80–84 All Motor Reset 85–87 P/T Motor Reset 88–90 ZoomMotor Reset 91–93 Pixel Rotation 0 94–96 Pixel Rotation 90 97–99 Pixel Rotation 180 100–105 Pixel Rotation 270 106–108 fog fan off 109–111 fog fan auto 112–114 fog fan on 115–255 NoFeature 1

Extended Ring 1U (continued)

Ch	Function	Default	DMX values
27	Chase Patterns	0	0–9 Chse OFF 10–14 Chase 1 15–19 Chase 2 20–24 Chase 3 25–29 Chase 4 30–34 Chase 5 35–39 Chase 6 40–44 Chase 7 45–49 Chase 8 50–54 Chase 9 55–59 Chase 10 60–64 Chase 11 65–69 Chase 12 70–74 Chase 13 75–79 Chase 14 80–84 Chase 15 85–89 Chase 16 90–94 Chase 17 95–99 Chase 18 100–104 Chase 19 105–109 Chase 20 110–114 Chase 21 115–119 Chase 22 120–255 NoFeature 1
28	Chase Speed	0	0–125 Fast to Slow Backward 126–130 Empty Channel Set 131–255 Slow to Fast Forward
29	Chase Fade	0	
30	Chase Size	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add GY	255	
35	Dimmer	0	
36	Back Chase Dimmer	0	
37	Shutter / Strobe 2	32	0–31 Chase dimmer OFF 32–63 Chase Dimmer ON 64–95 Shutter1Strobe 3 96–127 NoFeature 4 128–159 Shutter1StrobePulse 5 160–191 NoFeature 6 192–223 Shutter1StrobeRandom 7 224–255 NoFeature 8
38	Led Control	128	0–127 Full Control 128–254 Middle 255–255 Pixel Control
39	Red	255	
40	Green	255	
41	Blue	255	
42	Color Add GY	255	
43	Red	255	
44	Green	255	
45	Blue	255	
46	Color Add GY	255	
47	Red	255	

Extended Ring 1U (continued)

Ch	Function	Default	DMX values
48	Green	255	
49	Blue	255	
50	Color Add GY	255	