High End Systems

SolaPix 37



Manufacturer	**High End Systems**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**17, 21, 38 channels**
Beam angle	**4.5-60°**
Pan range	**540°**
Tilt range	**255°**
Size (W × H × D)	**240 × 220 × 240 mm**
GDTF fixture type	**1FEEC5C6-F349-4120-8924-787…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions

DMX modes

Flex Module	17 ch
Base Module	21 ch
Base + Flex	38 ch

Flex Module

17 channels

Ch	Function	Default	DMX values
1	Flex Macro Mode	0	0–0 Off 1–99 Macro 1 Thru 99 100–255 Reserved
2	Flex Macro Speed	0	0–126 Reverse - Fast to Slow 127–128 Stop 129–255 Forward - Slow to Fast
3	Flex Macro Crossfade	0	
4	Strobe Mode	0	
5	Strobe Rate	0	0–23 Off 24–229 Slow To Fast 230–255 Open
6	Flex Macro1Red	0	
7	Flex Macro1Green	0	
8	Flex Macro1Blue	0	
9	Flex Macro1White	0	
10	Flex Macro2Red	0	
11	Flex Macro2Green	0	
12	Flex Macro2Blue	0	
13	Flex Macro2White	0	
14	Flex Macro3Red	0	
15	Flex Macro3Green	0	
16	Flex Macro3Blue	0	
17	Flex Macro3White	0	

Base Module

21 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	Color1Mode	0	0–15 RGB 16–31 RBG 32–47 BRG 48–63 BGR 64–79 GRB 80–95 GBR 96–111 CMY 112–127 CYM 128–143 YCM 144–159 YMC 160–175 MCY 176–191 MYC 192–207 Cycle 208–223 Random 224–255 Reserved
6	Color RGBRed	0	
7	Color RGBGreen	0	
8	Color RGBBlue	0	
9	White	0	

Base Module (continued)

Ch	Function	Default	DMX values
10	Color Correction	0	0–0 OFF COLOR CORRECTION 1–255 Warm to Cool
11	Section Selection	0	0–2 All Pixels 3–4 Center 5–6 Ring 1 7–8 Ring 2 9–10 Ring 3 11–12 Center + Ring 1 13–14 Center + Ring 2 15–16 Center + Ring 3 17–18 Rings 1 + 2 19–20 Rings 1 + 3 21–22 Rings 2 + 3 23–24 Center + Ring 1 + Ring 2 25–26 Ring 1 + Ring 2 + Ring 3 27–28 Center + Ring 2 + Ring 3 29–30 Center + Ring 1 + Ring 3 31–32 Sector 1 33–34 Sector 2 35–36 Sector 3 37–38 Sector 4 39–40 Sector 5 41–42 Sector 6 43–44 Sector 1 + 4 45–46 Sector 1 + 4 + Center 47–48 Sector 2 + 5 49–50 Sector 2 + 5 + Center 51–52 Sector 3 + 6 53–54 Sector 3 + 6 + Center 55–56 Sector 1 + 3 + 5 57–58 Sector 1 + 3 + 5 + Center 59–60 Sector 2 + 4 + 6 61–62 Sector 2 + 4 + 6 + Center 63–64 Sector 1 + 2 + 3 65–66 Sector 2 + 3 + 4 67–68 Sector 3 + 4 + 5 69–70 Sector 4 + 5 + 6 71–72 Sector 1 + 5 + 6 73–74 Sector 1 + 2 + 6 75–255 Reserved
12	Module Priority	0	0–7 Pixel Over Flex/Macro Over Base 8–15 Flex/Macro Over Pixel Over Base 16–23 Pixel Over Base 24–31 Flex/Macro Over Base 32–39 Base 40–47 Pixel 48–255 Reserved
13	Zoom	0	
14	Zoom Fine	0	Fine byte of Zoom
15	Strobe Mode Strobe	0	0–15 Off 16–31 Synchronous 32–47 Random 48–63 Random Pixel 64–79 Random Pixel/Color 80–95 Synchronous Random 96–255 Reserved
16	Strobe Rate	0	0–23 Off 24–229 Slow to Fast 230–255 Open

Base Module (continued)

Ch	Function	Default	DMX values
17	Dimmer	0	0–254 Closed 255–255 Open
18	Dimmer Fine	0	Fine byte of Dimmer
19	Position MSpeed	0	0–3 Off 4–255 Slow to Fast
20	Fan Mode	0	0–9 Idle 10–215 Slow to Fast 216–225 Auto 226–235 Studio 236–255 Reserved
21	Control1	0	0–9 Disable 10–19 Reserved 20–28 Display Off 29–35 Display On 36–48 Reserved 49–68 Home All 69–75 Shutdown 76–85 Red Shift Off 86–95 Red Shift On 96–105 LED PWM 2_4 kHz 106–115 LED PWM 16 kHz 116–125 Independent Base Intensity 126–135 Master Base Intensity 136–185 Reserved 186–195 LED PWM 2_4 kHz (B) 196–205 LED PWM 16 kHz (B) 206–255 Reserved

Base + Flex

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	Color1Mode	0	0–15 RGB 16–31 RBG 32–47 BRG 48–63 BGR 64–79 GRB 80–95 GBR 96–111 CMY 112–127 CYM 128–143 YCM 144–159 YMC 160–175 MCY 176–191 MYC 192–207 Cycle 208–223 Random 224–255 Reserved
6	Red	0	
7	Color RGBGreen	0	
8	Color RGBBlue	0	
9	White	0	
10	Color Correction	0	0–0 OFF COLOR CORRECTION 1–255 Warm to Cool

Base + Flex (continued)

Ch	Function	Default	DMX values
11	Section Selection	0	0–2 All Pixels 3–4 Center 5–6 Ring 1 7–8 Ring 2 9–10 Ring 3 11–12 Center + Ring 1 13–14 Center + Ring 2 15–16 Center + Ring 3 17–18 Rings 1 + 2 19–20 Rings 1 + 3 21–22 Rings 2 + 3 23–24 Center + Ring 1 + Ring 2 25–26 Ring 1 + Ring 2 + Ring 3 27–28 Center + Ring 2 + Ring 3 29–30 Center + Ring 1 + Ring 3 31–32 Sector 1 33–34 Sector 2 35–36 Sector 3 37–38 Sector 4 39–40 Sector 5 41–42 Sector 6 43–44 Sector 1 + 4 45–46 Sector 1 + 4 + Center 47–48 Sector 2 + 5 49–50 Sector 2 + 5 + Center 51–52 Sector 3 + 6 53–54 Sector 3 + 6 + Center 55–56 Sector 1 + 3 + 5 57–58 Sector 1 + 3 + 5 + Center 59–60 Sector 2 + 4 + 6 61–62 Sector 2 + 4 + 6 + Center 63–64 Sector 1 + 2 + 3 65–66 Sector 2 + 3 + 4 67–68 Sector 3 + 4 + 5 69–70 Sector 4 + 5 + 6 71–72 Sector 1 + 5 + 6 73–74 Sector 1 + 2 + 6 75–255 Reserved
12	Module Priority	0	0–7 Pixel Over Flex/Macro Over Base 8–15 Flex/Macro Over Pixel Over Base 16–23 Pixel Over Base 24–31 Flex/Macro Over Base 32–39 Base 40–47 Pixel 48–255 Reserved
13	Zoom	0	
14	Zoom Fine	0	Fine byte of Zoom
15	Strobe Mode Strobe	0	0–15 Off 16–31 Synchronous 32–47 Random 48–63 Random Pixel 64–79 Random Pixel/Color 80–95 Synchronous Random 96–255 Reserved
16	Strobe Rate	0	0–23 Off 24–229 Slow to Fast 230–255 Open
17	Dimmer	0	0–254 Closed 255–255 Open
18	Dimmer Fine	0	Fine byte of Dimmer

Base + Flex (continued)

Ch	Function	Default	DMX values
19	Position MSpeed	0	0–3 Off 4–255 Slow to Fast
20	Fan Mode	0	0–9 Idle 10–215 Slow to Fast 216–225 Auto 226–235 Studio 236–255 Reserved
21	Control1	0	0–9 Disable 10–19 Reserved 20–28 Display Off 29–35 Display On 36–48 Reserved 49–68 Home All 69–75 Shutdown 76–85 Red Shift Off 86–95 Red Shift On 96–105 LED PWM 2_4 kHz 106–115 LED PWM 16 kHz 116–125 Independent Base Intensity 126–135 Master Base Intensity 136–185 Reserved 186–195 LED PWM 2_4 kHz (B) 196–205 LED PWM 16 kHz (B) 206–255 Reserved
22	Flex Macro Mode	0	0–0 Off 1–99 Macro 1 Thru 99 100–255 Reserved
23	Flex Macro Speed	0	0–126 Reverse - Fast to Slow 127–128 Stop 129–255 Forward - Slow to Fast
24	Flex Macro Crossfade	0	
25	Strobe Mode	0	
26	Strobe Rate	0	0–23 Off 24–229 Slow To Fast 230–255 Open
27	Flex Macro1Red	0	
28	Flex Macro1Green	0	
29	Flex Macro1Blue	0	
30	Flex Macro1White	0	
31	Flex Macro2Red	0	
32	Flex Macro2Green	0	
33	Flex Macro2Blue	0	
34	Flex Macro2White	0	
35	Flex Macro3Red	0	
36	Flex Macro3Green	0	
37	Flex Macro3Blue	0	
38	Flex Macro3White	0	