Sagitter

Archer W3



Manufacturer	**Sagitter**
Type	**Moving head**
DMX modes	**5**
DMX footprint	**15, 16, 24, 25, 51 channels**
Beam angle	**25°**
Pan range	**1170°**
Tilt range	**540°**
Heads / cells	**7**
Size (W × H × D)	**180 × 160 × 160 mm**
GDTF fixture type	**C9DAC871-C450-4822-A834-8B…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

TW	15 ch
Basic 1	16 ch
CMY	24 ch
Standard	25 ch
Extend	51 ch

TW

15 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 Speed from Max to min 226–235 Blackout by movements 236–255 No functions
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	32	0–31 Closed 32–63 Open 5 64–95 Strobe Slow<Fast 96–127 Open 128–157 Pulse IN All 158–159 Open 1 160–189 Random Pulse Single Slow<Fast 190–191 Open 2 192–221 Random All Slow<Fast 222–223 Open 3 224–253 Radom Single Slow<Fast strobe 254–255 Open 4
9	Zoom	0	
10	Zoom Fine	32	Fine byte of Zoom
11	C TO	0	0–0 No Functions 1–255 Cto
12	Color Add GY	0	0–0 No Functions 1–255 Minus green from no green removed to Max green r...
13	Dimmer Mode	0	0–20 Standard 21–40 stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No Functions
14	Dimmer Curve	0	0–20 Linear 21–40 Square 41–60 Inv-Square 61–80 S-Curve 81–255 No Functions

TW (continued)

Ch	Function	Default	DMX values
15	L EDFrequency	0	0–5 No Functions 6–10 900 Hz 11–15 1000 Hz 16–20 1100 Hz 21–25 1200 Hz 26–30 1300 Hz 31–35 1400 Hz 36–40 1500 Hz 41–45 2500 Hz 46–50 4000 Hz 51–55 5000 Hz 56–60 6000 Hz 61–65 10 KHz 66–70 15 KHz 71–75 20 KHz 76–80 25 KHz 81–89 LED refresh 90–99 Invert Pan ON 100–109 Invert Pan OFF 110–119 Invert Tilt ON 120–129 Invert Tilt OFF 130–139 Fan Silent 140–149 Fan Auto 150–159 Fan High 160–169 Pan/Tilt Reset 170–179 Zoom Reset 180–189 Total Reset 190–255 No Funcrtions

Basic 1

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–225 Speed from Max to min 226–235 5 Blackout by movements 236–255 No functions
4	Dimmer	0	
5	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Strobe Slow<Fast 96–127 Open 128–157 Pulse IN All 158–159 Open 1 160–189 Random Pulse Single Slow<Fast 190–191 Open 2 192–221 Random All Slow<Fast 222–223 Open 3 224–253 Random Single Slow<fast 254–255 Open 4
6	Zoom	127	
7	Red	255	
8	Green	255	
9	Blue	255	
10	White	255	
11	Foregroung	0	
12	Back Ground	0	

Basic 1 (continued)

Ch	Function	Default	DMX values
13	Color Macro1	0	0–9 No functions 10–19 Pattern program 1 20–29 Pattern program 2 30–39 Pattern program 3 40–49 Pattern program 4 50–59 Pattern program 5 60–69 Pattern program 6 70–79 Pattern program 7 80–89 Pattern program 8 90–99 Pattern program 9 100–109 Pattern program 10 110–119 Pattern program 11 120–129 Pattern program 12 130–139 Pattern program 13 140–149 Pattern program 14 150–159 Pattern program 15 160–169 Pattern program 16 170–179 Pattern program 17 180–189 Pattern program 18 190–199 Pattern program 19 200–209 Pattern program20 210–255 No functions
14	Color Macro1Rate	0	0–39 Static Step 1 40–145 Chase forward from fast to slow 146–155 Stop 156–255 Chase forward from slow to fast
15	Macro Fade	0	
16	L EDFrequency	0	0–5 No Functions 6–10 900 Hz 11–15 1000 Hz 16–20 1100 Hz 21–25 1200 Hz 26–30 1300 Hz 31–35 1400 Hz 36–40 1500 Hz 41–45 2500 Hz 46–50 4000 Hz 51–55 5000 Hz 56–60 6000 Hz 61–65 10 KHz 66–70 15 KHz 71–75 20 KHz 76–80 25 KHz 81–89 LED refresh 90–99 Invert Pan ON 100–109 Invert Pan OFF 110–119 Invert Tilt ON 120–129 Invert Tilt OFF 130–139 Fan Silent 140–149 Fan Auto 150–159 Fan High 160–169 Pan/Tilt Reset 170–179 Zoom Reset 180–189 Total Reset 190–255 No Funcrtions

CMY

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–225 Speed from Max to min 226–235 5 Blackout by movements 236–255 No functions
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Strobe Slow<Fast 96–127 Open 1 128–157 Pulse 158–159 Open 2 160–189 Random Pulse 190–191 Open 3 192–221 Random All 222–223 Open 4 224–253 Random Single 254–255 Open 5
9	Zoom	0	
10	Zoom Fine	32	Fine byte of Zoom
11	Zoom MSpeed	0	
12	Cyan	255	
13	Cyan Fine	255	Fine byte of Cyan
14	Magenta	255	
15	Magenta Fine	255	Fine byte of Magenta
16	Yellow	255	
17	Yellow Fine	255	Fine byte of Yellow
18	White Macros	0	0–0 No functions 1–25 2700K 26–50 3000K 51–75 3200K 76–100 4000K 101–125 4500K 126–150 5000K 151–175 5600K 176–200 6500K 201–225 8000K 226–255 10000K
19	Linear White	0	0–0 No functions 1–255 Linear Color Temperature from 2700K to 10000K
20	Foregroung	0	
21	Effects1Fade	0	
22	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No functions: settings from display
23	Dimmer Curve	0	

CMY (continued)

Ch	Function	Default	DMX values
24	L EDFrequency	0	0–5 No Functions 6–10 900 Hz 11–15 1000 Hz 16–20 1100 Hz 21–25 1200 Hz 26–30 1300 Hz 31–35 1400 Hz 36–40 1500 Hz 41–45 2500 Hz 46–50 4000 Hz 51–55 5000 Hz 56–60 6000 Hz 61–65 10 KHz 66–70 15 KHz 71–75 20 KHz 76–80 25 KHz 81–89 LED refresh 90–99 Invert Pan ON 100–109 Invert Pan OFF 110–119 Invert Tilt ON 120–129 Invert Tilt OFF 130–139 Fan Silent 140–149 Fan Auto 150–159 Fan High 160–169 Pan/Tilt Reset 170–179 Zoom Reset 180–189 Total Reset 190–255 No Funcrtions

Standard

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–225 Speed from Max to min 226–235 5 Blackout by movements 236–255 No functions
6	Dimmer	0	
7	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Strobo Slow<Fast 96–127 Open 1 128–157 Pulse 158–159 Open 2 160–189 Random Pulse 190–191 Open 192–221 Random All 222–223 Open 3 224–253 Random Single 254–255 Open 4
8	Zoom	127	
9	Zoom MSpeed	0	
10	Red	255	
11	Green	255	
12	Blue	255	

Standard (continued)

Ch	Function	Default	DMX values
13	White	255	
14	White Macros	0	0–0 No functions 1–25 2700K 26–50 3000K 51–75 3200K 76–100 4000K 101–125 4500K 126–150 5000K 151–175 5600K 176–200 6500K 201–225 8000K 226–255 10000K
15	Linear White	0	0–0 No functions 1–255 Linear Color Temperature from 2700K to 10000K
16	Minus Green	0	0–0 No function 1–255 Minus green from no green removed to Max green r…
17	Foregroung	0	
18	Back Ground	0	
19	Effects1Fade	0	
20	Color Macro1	0	0–9 No functions 10–19 Pattern program 1 20–29 Pattern program 2 30–39 Pattern program 3 40–49 Pattern program 4 50–59 Pattern program 5 60–69 Pattern program 6 70–79 Pattern program 7 80–89 Pattern program 8 90–99 Pattern program 9 100–109 Pattern program 10 110–119 Pattern program 11 120–129 Pattern program 12 130–139 Pattern program 13 140–149 Pattern program 14 150–159 Pattern program 15 160–169 Pattern program 16 170–179 Pattern program 17 180–189 Pattern program 18 190–199 Pattern program 19 200–209 Pattern program20 210–255 No functions
21	Color Macro1Rate	0	0–39 Static Step 1 40–145 Chase forward from fast to slow 146–155 Stop 156–255 Chase forward from slow to fast
22	Macro Fade	0	
23	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No functions: settings from display
24	Dimmer Curve	0	

Standard (continued)

Ch	Function	Default	DMX values
25	L EDFrequency	0	0–5 No Functions 6–10 900 Hz 11–15 1000 Hz 16–20 1100 Hz 21–25 1200 Hz 26–30 1300 Hz 31–35 1400 Hz 36–40 1500 Hz 41–45 2500 Hz 46–50 4000 Hz 51–55 5000 Hz 56–60 6000 Hz 61–65 10 KHz 66–70 15 KHz 71–75 20 KHz 76–80 25 KHz 81–89 LED refresh 90–99 Invert Pan ON 100–109 Invert Pan OFF 110–119 Invert Tilt ON 120–129 Invert Tilt OFF 130–139 Fan Silent 140–149 Fan Auto 150–159 Fan High 160–169 Pan/Tilt Reset 170–179 Zoom Reset 180–189 Total Reset 190–255 No Funcrtions

Extend

51 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–225 Speed from Max to min 226–235 5 Blackout by movements 236–255 No functions
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–95 Strobo Slow<Fast 96–127 Open 1 128–157 Pulse 158–159 open 160–189 Random Pulse Single Slow<Fast 190–191 Open 2 192–221 Random All Slow<Fast 222–223 Open 3 224–253 Random Single Slow<Fast 254–255 Open 4
9	Zoom	0	
10	Zoom Fine	32	Fine byte of Zoom
11	Zoom MSpeed	0	
12	Red	255	

Extend (continued)

Ch	Function	Default	DMX values
13	Green	255	
14	Blue	255	
15	White	255	
16	Red	255	
17	Green	255	
18	Blue	255	
19	White	255	
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	Red	255	
25	Green	255	
26	Blue	255	
27	White	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	White	255	
32	Red	255	
33	Green	255	
34	Blue	255	
35	White	255	
36	Red	255	
37	Green	255	
38	Blue	255	
39	White	255	
40	White Macros	0	0–0 No functions 1–25 2700K 26–50 3000K 51–75 3200K 76–100 4000K 101–125 4500K 126–150 5000K 151–175 5600K 176–200 6500K 201–225 8000K 226–255 10000K
41	Linear White	0	0–0 No functions 1–255 Linear Color Temperature from 2700K to 10000K
42	Minus Green	0	0–0 No function 1–255 Minus green from no green removed to Max green r...
43	Foregroung	0	
44	Back Ground	0	
45	Effects1Fade	0	

Extend (continued)

Ch	Function	Default	DMX values
46	Color Macro1	0	0–9 No functions 10–19 Pattern program 1 20–29 Pattern program 2 30–39 Pattern program 3 40–49 Pattern program 4 50–59 Pattern program 5 60–69 Pattern program 6 70–79 Pattern program 7 80–89 Pattern program 8 90–99 Pattern program 9 100–109 Pattern program 10 110–119 Pattern program 11 120–129 Pattern program 12 130–139 Pattern program 13 140–149 Pattern program 14 150–159 Pattern program 15 160–169 Pattern program 16 170–179 Pattern program 17 180–189 Pattern program 18 190–199 Pattern program 19 200–209 Pattern program20 210–255 No functions
47	Color Macro1Rate	0	0–39 Static Step 1 40–145 Chase forward from fast to slow 146–155 Stop 156–255 Chase forward from slow to fast
48	Macro Fade	0	
49	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–255 No functions: settings from display
50	Dimmer Curve	0	

Extend (continued)

Ch	Function	Default	DMX values
51	L EDFrequency	0	0–5 No Functions 6–10 900 Hz 11–15 1000 Hz 16–20 1100 Hz 21–25 1200 Hz 26–30 1300 Hz 31–35 1400 Hz 36–40 1500 Hz 41–45 2500 Hz 46–50 4000 Hz 51–55 5000 Hz 56–60 6000 Hz 61–65 10 KHz 66–70 15 KHz 71–75 20 KHz 76–80 25 KHz 81–89 LED refresh 90–99 Invert Pan ON 100–109 Invert Pan OFF 110–119 Invert Tilt ON 120–129 Invert Tilt OFF 130–139 Fan Silent 140–149 Fan Auto 150–159 Fan High 160–169 Pan/Tilt Reset 170–179 Zoom Reset 180–189 Total Reset 190–255 No Funcrtions