ACME

ACME DIABOLO 500 (WASH 500)



Manufacturer	**ACME**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**17, 20, 24, 90 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**2**
Size (W × H × D)	**298 × 185 × 298 mm**
GDTF fixture type	**B9BB7872-348A-4911-8E52-D9…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Mode 4 17CH	17 ch
Mode 3 20CH	20 ch
Mode 2 24CH	24 ch
Mode 1 90CH	90 ch

Mode 4 17CH

17 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	C TO	0	
11	Color Wheel	0	0–9 Open (wheel slot 1) 10–14 Color 1 (wheel slot 2) 15–19 Color 2 (wheel slot 3) 20–24 Color 3 (wheel slot 4) 25–29 Color 4 (wheel slot 5) 30–34 Color 5 (wheel slot 6) 35–39 Color 6 (wheel slot 7) 40–44 Color 7 (wheel slot 8) 45–49 Color 8 (wheel slot 9) 50–54 Color 9 (wheel slot 10) 55–59 Color 10 (wheel slot 11) 60–64 Color 11 (wheel slot 12) 65–69 Color 12 (wheel slot 13) 70–74 Color 13 (wheel slot 14) 75–79 Color 14 (wheel slot 15) 80–84 Color 15 (wheel slot 16) 85–89 Color 16 (wheel slot 17) 90–94 Color 17 (wheel slot 18) 95–99 Color 18 (wheel slot 19) 100–104 Color 19 (wheel slot 20) 105–109 Color 20 (wheel slot 21) 110–114 Color 21 (wheel slot 22) 115–119 Color 22 (wheel slot 23) 120–124 Color 23 (wheel slot 24) 125–129 Color 24 (wheel slot 25) 130–134 Color 25 (wheel slot 26) 135–139 Color 26 (wheel slot 27) 140–144 Color 27 (wheel slot 28) 145–149 Color 28 (wheel slot 29) 150–154 Color 29 (wheel slot 30) 155–159 Color 30 (wheel slot 31) 160–164 Color 31 (wheel slot 32) 165–169 Color 32 (wheel slot 33) 170–174 Color 33 (wheel slot 34) 175–179 Open 180–190 >>> 191–200 >> 201–201 > 202–207 Stop 208–217 < 218–228 < 229–229 <<< 230–234 Open 235–239 Random Fast 240–244 Random Medium 245–249 Random Slow 250–255 Open

Mode 4 17CH (continued)

Ch	Function	Default	DMX values
12	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 189–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
13	Dimmer	0	
14	Dimmer Fine	0	Fine byte of Dimmer
15	Zoom	76	
16	Zoom Fine	204	Fine byte of Zoom
17	Function	0	0–9 NoFunction 1 10–19 Long Mode 20–29 Short Mode 30–39 Dim Curve Line 40–49 Dim Square Law 50–59 Dim Inv Square Law 60–69 Dim Curve S 70–99 NoFunction 2 100–109 Setting Enable 110–119 Setting Disable 120–179 NoFunction 3 180–189 Fast 190–199 Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–255 NoFeature 4

Mode 3 20CH

20 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	C TO	0	

Mode 3 20CH (continued)

Ch	Function	Default	DMX values
11	Color Wheel	0	0–9 Open (wheel slot 1) 10–14 Color 1 (wheel slot 2) 15–19 Color 2 (wheel slot 3) 20–24 Color 3 (wheel slot 4) 25–29 Color 4 (wheel slot 5) 30–34 Color 5 (wheel slot 6) 35–39 Color 6 (wheel slot 7) 40–44 Color 7 (wheel slot 8) 45–49 Color 8 (wheel slot 9) 50–54 Color 9 (wheel slot 10) 55–59 Color 10 (wheel slot 11) 60–64 Color 11 (wheel slot 12) 65–69 Color 12 (wheel slot 13) 70–74 Color 13 (wheel slot 14) 75–79 Color 14 (wheel slot 15) 80–84 Color 15 (wheel slot 16) 85–89 Color 16 (wheel slot 17) 90–94 Color 17 (wheel slot 18) 95–99 Color 18 (wheel slot 19) 100–104 Color 19 (wheel slot 20) 105–109 Color 20 (wheel slot 21) 110–114 Color 21 (wheel slot 22) 115–119 Color 22 (wheel slot 23) 120–124 Color 23 (wheel slot 24) 125–129 Color 24 (wheel slot 25) 130–134 Color 25 (wheel slot 26) 135–139 Color 26 (wheel slot 27) 140–144 Color 27 (wheel slot 28) 145–149 Color 28 (wheel slot 29) 150–154 Color 29 (wheel slot 30) 155–159 Color 30 (wheel slot 31) 160–164 Color 31 (wheel slot 32) 165–169 Color 32 (wheel slot 33) 170–174 Color 33 (wheel slot 34) 175–179 Open 180–190 >>> 191–200 >> 201–201 > 202–207 Stop 208–217 < 218–228 << 229–229 << 230–234 Open 235–239 Random Fast 240–244 Random Medium 245–249 Random Slow 250–255 Open
12	Color Macro1	0	0–119 ColorMacro 120–120 Open 121–255 NoFunction
13	Color Macro1	0	0–189 ColorMacro 190–255 NoFunction
14	Color Macro1Rate	192	0–127 NoFunction 128–189 Fast to Slow 190–193 Stop 194–255 Slow to Fast

Mode 3 20CH (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 189–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
16	Dimmer	0	
17	Dimmer Fine	0	Fine byte of Dimmer
18	Zoom	76	
19	Zoom Fine	204	Fine byte of Zoom
20	Function	0	0–9 NoFunction 1 10–19 Long Mode 20–29 Short Mode 30–39 Dim Curve Line 40–49 Dim Square Law 50–59 Dim Inv Square Law 60–69 Dim Curve S 70–99 NoFunction 2 100–109 Setting Enable 110–119 Setting Disable 120–179 NoFunction 3 180–189 Fast 190–199 Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–255 NoFeature 4

Mode 2 24CH

24 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	255	Fine byte of Tilt
5	P TSpeed	0	
6	Red	255	
7	Green	255	
8	Blue	255	
9	White	0	
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	0	
14	Dimmer	0	
15	Dimmer	0	

Mode 2 24CH (continued)

Ch	Function	Default	DMX values
16	Dimmer	0	
17	Dimmer	0	
18	Dimmer	0	
19	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 189–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
20	Dimmer	0	
21	Dimmer Fine	0	Fine byte of Dimmer
22	Zoom	76	
23	Zoom Fine	204	Fine byte of Zoom
24	Function	0	0–9 NoFunction 1 10–19 Long Mode 20–29 Short Mode 30–39 Dim Curve Line 40–49 Dim Square Law 50–59 Dim Inv Square Law 60–69 Dim Curve S 70–99 NoFunction 2 100–109 Setting Enable 110–119 Setting Disable 120–179 NoFunction 3 180–189 Fast 190–199 Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–255 NoFeature 4

Mode 1 90CH

90 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	

Mode 1 90CH (continued)

Ch	Function	Default	DMX values
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	

Mode 1 90CH (continued)

Ch	Function	Default	DMX values
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	
85	Shutter / Strobe	12	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 189–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–246 min Strobe Ran 247–247 max Strobe Ran 248–255 Open 5
86	Dimmer	0	
87	Dimmer Fine	0	Fine byte of Dimmer
88	Zoom	76	
89	Zoom Fine	204	Fine byte of Zoom
90	Function	0	