ACME

ACME SANA BEAM (XA 300 BEAM IP)



Manufacturer	**ACME**
Type	**Moving head**
DMX modes	**4**
DMX footprint	**16, 27, 29 channels**
Beam angle	**4-12°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**225 × 408 × 230 mm**
GDTF fixture type	**C49DC28D-2A31-4C6F-9FF0-FC…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Fixture reset

DMX modes

Mode 3 16CH	16 ch
Mode 2 27CH	27 ch
Mode 4 27CH	27 ch
Mode 1 29CH	29 ch

Mode 3 16CH

16 channels

Ch	Function	Default	DMX values
1	Color Wheel	0	0–127 Index 128–191 > 192–254 >> 255–255 >>>
2	Shutter / Strobe	104	0–3 Close 4–102 Strobe · Min 1–19.8 Hz 103–103 Strobe · Max 20 Hz 104–107 Open 108–206 Min Pulse Open 207–207 Max Pulse Open 208–212 Open 213–225 Strobe Random · low 2.5–8.03 Hz 226–238 Strobe Random · medium 8.49–14 Hz 239–251 Strobe Random · high 14.5–20 Hz 252–255 Open
3	Dimmer	0	
4	Gobo	0	0–7 Open (wheel slot 1) 8–11 Gobo 1 (wheel slot 2) 12–15 Gobo 2 (wheel slot 3) 16–19 Gobo 3 (wheel slot 4) 20–23 Gobo 4 (wheel slot 5) 24–27 Gobo 5 (wheel slot 6) 28–31 Gobo 6 (wheel slot 7) 32–35 Gobo 7 (wheel slot 8) 36–39 Gobo 8 (wheel slot 9) 40–43 Gobo 9 (wheel slot 10) 44–47 Gobo 10 (wheel slot 11) 48–51 Gobo 11 (wheel slot 12) 52–55 Gobo 12 (wheel slot 13) 56–59 Gobo 13 (wheel slot 14) 60–63 Gobo 14 (wheel slot 15) 64–67 Gobo 15 (wheel slot 16) 68–71 Gobo 16 (wheel slot 17) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >> 159–159 >>> 160–166 Gobo 2 Shake (wheel slot 3) 167–172 Gobo 3 Shake (wheel slot 4) 173–179 Gobo 4 Shake (wheel slot 5) 180–185 Gobo 5 Shake (wheel slot 6) 186–191 Gobo 6 Shake (wheel slot 7) 192–198 Gobo 7 Shake (wheel slot 8) 199–204 Gobo 8 Shake (wheel slot 9) 205–211 Gobo 9 Shake (wheel slot 10) 212–217 Gobo 10 Shake (wheel slot 11) 218–223 Gobo 11 Shake (wheel slot 12) 224–230 Gobo 12 Shake (wheel slot 13) 231–236 Gobo 13 Shake (wheel slot 14) 237–243 Gobo 14 Shake (wheel slot 15) 244–249 Gobo 15 Shake (wheel slot 16) 250–255 Gobo 16 Shake (wheel slot 17)
5	Prism	0	0–127 Close (wheel slot 1) 128–255 Open (wheel slot 2)

Mode 3 16CH (continued)

Ch	Function	Default	DMX values
6	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<
7	Dummy	0	
8	Frost1	0	0–1 Close 2–255 Open
9	Focus	78	
10	Pan	127	
11	Pan Fine	255	Fine byte of Pan
12	Tilt	127	
13	Tilt Fine	255	Fine byte of Tilt
14	Function	0	0–50 No Function 51–55 OFF 56–60 ON 61–65 OFF 66–70 ON 71–200 No Function 1 201–205 Linear 206–210 Square 211–220 No Function 2 221–225 Off 226–230 On 231–255 No Function 3
15	Reset	0	0–203 No Function 204–205 Reset CMY 206–213 No Function 1 214–215 Reset Gobo 216–217 No Function 2 218–219 Reset Prism 220–221 No Function 3 222–223 Reset Frost 224–227 No Function 4 228–229 Reset Focus 230–231 No Function 5 232–233 Reset Pan 234–235 Reset Tilt 236–237 Reset P/T 238–249 No Function 6 250–251 Reset Effects 252–255 All Reset
16	Dummy	0	

Mode 2 27CH

27 channels

Ch	Function	Default	DMX values
1	Cyan	0	
2	Cyan Fine	0	Fine byte of Cyan
3	Magenta	0	
4	Magenta Fine	0	Fine byte of Magenta
5	Yellow	0	

Mode 2 27CH (continued)

Ch	Function	Default	DMX values
6	Yellow Fine	0	Fine byte of Yellow
7	Color Wheel	0	0–127 Index 128–191 >> 192–254 >> 255–255 >>>
8	Shutter / Strobe	104	0–3 Close 4–102 Strobe · Min 1–19.8 Hz 103–103 Strobe · Max 20 Hz 104–107 Open 108–206 Min Pulse Open 207–207 Max Pulse Open 208–212 Open 213–225 Strobe Random · low 2.5–8.03 Hz 226–238 Strobe Random · medium 8.49–14 Hz 239–251 Strobe Random · high 14.5–20 Hz 252–255 Open
9	Dimmer	0	
10	Dimmer Fine	0	Fine byte of Dimmer
11	Gobo	0	0–7 Open (wheel slot 1) 8–11 Gobo 1 (wheel slot 2) 12–15 Gobo 2 (wheel slot 3) 16–19 Gobo 3 (wheel slot 4) 20–23 Gobo 4 (wheel slot 5) 24–27 Gobo 5 (wheel slot 6) 28–31 Gobo 6 (wheel slot 7) 32–35 Gobo 7 (wheel slot 8) 36–39 Gobo 8 (wheel slot 9) 40–43 Gobo 9 (wheel slot 10) 44–47 Gobo 10 (wheel slot 11) 48–51 Gobo 11 (wheel slot 12) 52–55 Gobo 12 (wheel slot 13) 56–59 Gobo 13 (wheel slot 14) 60–63 Gobo 14 (wheel slot 15) 64–67 Gobo 15 (wheel slot 16) 68–71 Gobo 16 (wheel slot 17) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 >> 139–158 >> 159–159 >>> 160–166 Gobo 2 Shake (wheel slot 3) 167–172 Gobo 3 Shake (wheel slot 4) 173–179 Gobo 4 Shake (wheel slot 5) 180–185 Gobo 5 Shake (wheel slot 6) 186–191 Gobo 6 Shake (wheel slot 7) 192–198 Gobo 7 Shake (wheel slot 8) 199–204 Gobo 8 Shake (wheel slot 9) 205–211 Gobo 9 Shake (wheel slot 10) 212–217 Gobo 10 Shake (wheel slot 11) 218–223 Gobo 11 Shake (wheel slot 12) 224–230 Gobo 12 Shake (wheel slot 13) 231–236 Gobo 13 Shake (wheel slot 14) 237–243 Gobo 14 Shake (wheel slot 15) 244–249 Gobo 15 Shake (wheel slot 16) 250–255 Gobo 16 Shake (wheel slot 17)
12	Prism	0	0–127 Close (wheel slot 1) 128–255 Open (wheel slot 2)

Mode 2 27CH (continued)

Ch	Function	Default	DMX values
13	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<
14	Prism	0	0–127 Close (wheel slot 1) 128–255 Open (wheel slot 2)
15	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<
16	Frost1	0	0–1 Close 2–255 Open
17	Focus	78	
18	Pan	127	
19	Pan Fine	255	Fine byte of Pan
20	Pan Ednless	0	0–0 Open 1–255 Pan Position
21	Pan Rotate	0	0–11 CCW 100% 12–23 CCW 90% 24–35 CCW 80% 36–47 CCW 70% 48–59 CCW 60% 60–71 CCW 50% 72–83 CCW 40% 84–95 CCW 30% 96–107 CCW 20% 108–126 CCW 10% 127–127 CCW 1% 128–139 CW 1% 140–151 CW 10% 152–163 CW 20% 164–175 CW 30% 176–187 CW 40% 188–199 CW 50% 200–211 CW 60% 212–223 CW 70% 224–235 CW 80% 236–254 CW 90% 255–255 CW 100%
22	Tilt	127	
23	Tilt Fine	255	Fine byte of Tilt
24	Position MSpeed	0	

Mode 2 27CH (continued)

Ch	Function	Default	DMX values
25	Function	0	0–50 No Function 51–55 OFF 56–60 ON 61–65 OFF 66–70 ON 71–200 No Function 1 201–205 Linear 206–210 Square 211–220 No Function 2 221–225 Off 226–230 On 231–255 No Function 3
26	Reset	0	0–203 No Function 204–205 Reset CMY 206–213 No Function 1 214–215 Reset Gobo 216–217 No Function 2 218–219 Reset Prism 220–221 No Function 3 222–223 Reset Frost 224–227 No Function 4 228–229 Reset Focus 230–231 No Function 5 232–233 Reset Pan 234–235 Reset Tilt 236–237 Reset P/T 238–249 No Function 6 250–251 Reset Effects 252–255 All Reset
27	Dummy	0	

Mode 4 27CH

27 channels

Ch	Function	Default	DMX values
1	Color Wheel	0	0–127 Index 128–191 > 192–254 >> 255–255 >>>
2	Shutter / Strobe	104	0–3 Close 4–102 Strobe · Min 1–19.8 Hz 103–103 Strobe · Max 20 Hz 104–107 Open 108–206 Min Pulse Open 207–207 Max Pulse Open 208–212 Open 213–225 Strobe Random · low 2.5–8.03 Hz 226–238 Strobe Random · medium 8.49–14 Hz 239–251 Strobe Random · high 14.5–20 Hz 252–255 Open
3	Dimmer	0	

Mode 4 27CH (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–7 Open (wheel slot 1) 8–11 Gobo 1 (wheel slot 2) 12–15 Gobo 2 (wheel slot 3) 16–19 Gobo 3 (wheel slot 4) 20–23 Gobo 4 (wheel slot 5) 24–27 Gobo 5 (wheel slot 6) 28–31 Gobo 6 (wheel slot 7) 32–35 Gobo 7 (wheel slot 8) 36–39 Gobo 8 (wheel slot 9) 40–43 Gobo 9 (wheel slot 10) 44–47 Gobo 10 (wheel slot 11) 48–51 Gobo 11 (wheel slot 12) 52–55 Gobo 12 (wheel slot 13) 56–59 Gobo 13 (wheel slot 14) 60–63 Gobo 14 (wheel slot 15) 64–67 Gobo 15 (wheel slot 16) 68–71 Gobo 16 (wheel slot 17) 72–92 <<< 93–112 << 113–113 < 114–117 Stop 118–138 > 139–158 >>> 159–159 >>>> 160–166 Gobo 2 Shake (wheel slot 3) 167–172 Gobo 3 Shake (wheel slot 4) 173–179 Gobo 4 Shake (wheel slot 5) 180–185 Gobo 5 Shake (wheel slot 6) 186–191 Gobo 6 Shake (wheel slot 7) 192–198 Gobo 7 Shake (wheel slot 8) 199–204 Gobo 8 Shake (wheel slot 9) 205–211 Gobo 9 Shake (wheel slot 10) 212–217 Gobo 10 Shake (wheel slot 11) 218–223 Gobo 11 Shake (wheel slot 12) 224–230 Gobo 12 Shake (wheel slot 13) 231–236 Gobo 13 Shake (wheel slot 14) 237–243 Gobo 14 Shake (wheel slot 15) 244–249 Gobo 15 Shake (wheel slot 16) 250–255 Gobo 16 Shake (wheel slot 17)
5	Prism	0	0–127 Close (wheel slot 1) 128–255 Open (wheel slot 2)
6	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<<
7	Reserved 7	0	
8	Frost1	0	0–1 Close 2–255 Open
9	Focus	78	
10	Pan	127	
11	Pan Fine	255	Fine byte of Pan
12	Tilt	127	
13	Tilt Fine	255	Fine byte of Tilt

Mode 4 27CH (continued)

Ch	Function	Default	DMX values
14	Function	0	0–50 No Function 51–55 OFF 56–60 ON 61–65 OFF 66–70 ON 71–200 No Function 1 201–205 Linear 206–210 Square 211–220 No Function 2 221–225 Off 226–230 On 231–255 No Function 3
15	Reset	0	0–203 No Function 204–205 Reset CMY 206–213 No Function 1 214–215 Reset Gobo 216–217 No Function 2 218–219 Reset Prism 220–221 No Function 3 222–223 Reset Frost 224–227 No Function 4 228–229 Reset Focus 230–231 No Function 5 232–233 Reset Pan 234–235 Reset Tilt 236–237 Reset P/T 238–249 No Function 6 250–251 Reset Effects 252–255 All Reset
16	Reserved 16	0	
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	
22	Yellow Fine	0	Fine byte of Yellow
23	Prism	0	0–7 Close (wheel slot 1) 8–255 Open (wheel slot 2)
24	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<
25	P ANENDLESS	0	0–0 Open 1–255 Pan Position

Mode 4 27CH (continued)

Ch	Function	Default	DMX values
26	Pan Rotate	0	0–11 CCW 100% 12–23 CCW 90% 24–35 CCW 80% 36–47 CCW 70% 48–59 CCW 60% 60–71 CCW 50% 72–83 CCW 40% 84–95 CCW 30% 96–107 CCW 20% 108–126 CCW 10% 127–127 CCW 1% 128–139 CW 1% 140–151 CW 10% 152–163 CW 20% 164–175 CW 30% 176–187 CW 40% 188–199 CW 50% 200–211 CW 60% 212–223 CW 70% 224–235 CW 80% 236–254 CW 90% 255–255 CW 100%
27	Position MSpeed	0	

Mode 1 29CH

29 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	Pan Rotate	0	0–0 Open 1–127 Pan Position 128–133 CCW 100% 134–139 CCW 90% 140–145 CCW 80% 146–151 CCW 70% 152–157 CCW 60% 158–163 CCW 50% 164–169 CCW 40% 170–175 CCW 30% 176–181 CCW 20% 182–188 CCW 10% 189–189 CCW 1% 190–193 Stop 194–200 CW 1% 201–206 CW 10% 207–212 CW 20% 213–218 CW 30% 219–224 CW 40% 225–230 CW 50% 231–236 CW 60% 237–242 CW 70% 243–248 CW 80% 249–254 CW 90% 255–255 CW 100%

Mode 1 29CH (continued)

Ch	Function	Default	DMX values
6	Tilt Rotate	0	0–0 Open 1–127 Tilt Position 128–133 CW 100% 134–139 CW 90% 140–145 CW 80% 146–151 CW 70% 152–157 CW 60% 158–163 CW 50% 164–169 CW 40% 170–175 CW 30% 176–181 CW 20% 182–188 CW 10% 189–189 CW 1% 190–193 Stop 194–200 CCW 1% 201–206 CCW 10% 207–212 CCW 20% 213–218 CCW 30% 219–224 CCW 40% 225–230 CCW 50% 231–236 CCW 60% 237–242 CCW 70% 243–248 CCW 80% 249–254 CCW 90% 255–255 CCW 100%
7	Position MSpeed	0	
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	C TO	0	
15	Color Wheel	0	0–7 Open (wheel slot 1) 8–11 Color 1 (wheel slot 2) 12–15 Color 2 (wheel slot 3) 16–19 Color 3 (wheel slot 4) 20–23 Color 4 (wheel slot 5) 24–27 Color 5 (wheel slot 6) 28–31 Color 6 (wheel slot 7) 32–35 Color 7 (wheel slot 8) 36–39 Color 8 (wheel slot 9) 40–43 Color 9 (wheel slot 10) 44–47 Color 10 (wheel slot 11) 48–51 Color 11 (wheel slot 12) 52–63 Color 12 (wheel slot 13) 64–127 Index 128–191 > 192–254 >> 255–255 >>>

Mode 1 29CH (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–10 Open (wheel slot 1) 11–13 Gobo 1 (wheel slot 2) 14–16 Gobo 2 (wheel slot 3) 17–19 Gobo 3 (wheel slot 4) 20–22 Gobo 4 (wheel slot 5) 23–25 Gobo 5 (wheel slot 6) 26–28 Gobo 6 (wheel slot 7) 29–31 Gobo 7 (wheel slot 8) 32–34 Gobo 8 (wheel slot 9) 35–37 Gobo 9 (wheel slot 10) 38–40 Gobo 10 (wheel slot 11) 41–43 Gobo 11 (wheel slot 12) 44–46 Gobo 12 (wheel slot 13) 47–49 Gobo 13 (wheel slot 14) 50–52 Gobo 14 (wheel slot 15) 53–55 Gobo 15 (wheel slot 16) 56–66 Gobo 16 (wheel slot 17) 67–69 Gobo 1 (wheel slot 2) 70–72 Gobo 2 (wheel slot 3) 73–75 Gobo 3 (wheel slot 4) 76–78 Gobo 4 (wheel slot 5) 79–81 Gobo 5 (wheel slot 6) 82–84 Gobo 6 (wheel slot 7) 85–87 Gobo 7 (wheel slot 8) 88–90 Gobo 8 (wheel slot 9) 91–93 Gobo 9 (wheel slot 10) 94–96 Gobo 10 (wheel slot 11) 97–99 Gobo 11 (wheel slot 12) 100–102 Gobo 12 (wheel slot 13) 103–105 Gobo 13 (wheel slot 14) 106–108 Gobo 14 (wheel slot 15) 109–111 Gobo 15 (wheel slot 16) 112–127 Gobo 16 (wheel slot 17) 128–158 <<< 159–188 << 189–189 < 190–193 Stop 194–224 > 225–254 >> 255–255 >>>
17	Prism	0	0–7 Close (wheel slot 1) 8–255 Open (wheel slot 2)
18	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<<
19	Prism	0	0–7 Close (wheel slot 1) 8–255 Open (wheel slot 2)
20	Prism Rotation	0	0–127 Index 128–158 >>> 159–188 >> 189–189 > 190–193 Stop 194–224 < 225–254 << 255–255 <<<<

Mode 1 29CH (continued)

Ch	Function	Default	DMX values
21	Frost1	0	0–1 Close 2–255 Open
22	Zoom	128	
23	Zoom Fine	128	Fine byte of Zoom
24	Focus	199	
25	Focus Fine	174	Fine byte of Focus
26	Shutter / Strobe	15	0–7 Close 8–15 Open 16–130 Strobe · Min 1–19.8 Hz 131–131 Strobe · Max 20 Hz 132–139 Open 140–180 Min Pulse Open 181–181 Max Pulse Open 182–189 Open 190–230 Min Pulse Close 231–231 Max Pulse Close 232–239 Open 240–246 Strobe Random · MIn 2.5–17.5 Hz 247–247 Strobe Random · Max 20 Hz 248–255 Open
27	Dimmer	0	
28	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 29CH (continued)

Ch	Function	Default	DMX values
29	Function	0	0–29 No Function 30–39 Dimmer Curve Linear 40–49 Dimmer Curve Square Law 50–59 Dimmer Curve Inv Square Law 60–69 Dimmer Curve S 70–79 Standard 80–89 Quiet 90–99 Theatre 100–109 LED Frequency Setting Enable 110–119 LED Frequency Setting Disable 120–122 No Function 2 123–123 900Hz 124–124 1000Hz 125–125 1100Hz 126–126 1200Hz 127–127 1300Hz 128–128 1400Hz 129–129 1500Hz 130–130 2500Hz 131–131 4000Hz 132–132 5000Hz 133–133 6000Hz 134–134 10000Hz 135–135 15000Hz 136–136 20000Hz 137–137 25000Hz 138–139 No Function 3 140–149 Pan/tilt Reset 150–159 Effect Reset 160–171 No Function 4 172–173 Disable 174–175 Near(10m) 176–177 Medium(20m) 178–179 Far(30m) 180–181 On 182–183 Off 184–199 No Function 5 200–209 All Reset 210–219 Fast 220–229 Smooth 230–231 Enable 232–233 Disable 234–255 No Function 6