Martin

smartMAC



Manufacturer	**Martin**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**12, 15 channels**
Beam angle	**17°**
Pan range	**600°**
Tilt range	**257°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**2BC3D785-D921-5397-9ABD-2…**

Controls

Focus · Colour wheel · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Lamp on and off · Fixture reset · Built-in effect programmes

DMX modes

8-bit mode	12 ch
16-bit mode	15 ch

8-bit mode

12 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	15	0–14 Shutter closed 15–29 Shutter open 30–39 Fade in pulse (printed: Shutter fade in) 40–49 Fade out pulse (printed: Shutter fade out) 50–72 Strobe, fast -> slow 73–79 Shutter open 80–99 Opening pulse, fast -> slow 100–119 Closing pulse, fast -> slow 120–123 Shutter open 124–127 Music triggered shutter 128–147 Random strobe, fast 148–167 Random strobe, medium 168–187 Random strobe, slow 188–190 Shutter open 191–193 Random opening pulse, fast 194–196 Random opening pulse, slow 197–199 Random closing pulse, fast 200–202 Random closing pulse, slow 203–207 Shutter open 208–217 Reset fixture 218–227 Shutter open 228–237 Lamp on 238–247 Shutter open 248–255 Lamp power off (hold for 5 sec.)
2	Dimmer	0	
3	Color Wheel	0	0–0 Open (wheel slot 1) 1–15 Open (wheel slot 1) 16–16 Color 1 (Blue) (wheel slot 2) 17–31 Color 1 (Blue) (wheel slot 2) 32–32 Color 2 (Green) (wheel slot 3) 33–47 Color 2 (Green) (wheel slot 3) 48–48 Color 3 (Orange) (wheel slot 4) 49–63 Color 3 (Orange) (wheel slot 4) 64–64 Color 4 (Yellow) (wheel slot 5) 65–79 Color 4 (Yellow) (wheel slot 5) 80–80 Color 5 (Pink) (wheel slot 6) 81–95 Color 5 (Pink) (wheel slot 6) 96–96 Color 6 (Magenta) (wheel slot 7) 97–111 Color 6 (Magenta) (wheel slot 7) 112–112 Color 7 (Congo) (wheel slot 8) 113–127 Color 7 (Congo) (wheel slot 8) 128–128 Color 8 (Red) (wheel slot 9) 129–143 Color 8 (Red) (wheel slot 9) 144–144 Open (wheel slot 1) 145–148 Color 8 (Red) (wheel slot 9) 149–152 Color 7 (Congo) (wheel slot 8) 153–156 Color 6 (Magenta) (wheel slot 7) 157–160 Color 5 (Pink) (wheel slot 6) 161–164 Color 4 (Yellow) (wheel slot 5) 165–168 Color 3 (Orange) (wheel slot 4) 169–172 Color 2 (Green) (wheel slot 3) 173–176 Color 1 (Blue) (wheel slot 2) 177–180 Open (wheel slot 1) 181–203 Continuous rotation CW, fast -> slow 204–207 Open (wheel slot 1) 208–230 Continuous rotation CCW, slow -> fast 231–235 Music triggered color chase, fast 236–239 Music triggered color chase, medium 240–243 Music triggered color chase, slow 244–247 Random color chase, fast 248–251 Random color chase, medium 252–255 Random color chase, slow

8-bit mode (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–3 Open gobo (wheel slot 1) 4–7 Gobo 1 (Ovals) (wheel slot 2) 8–11 Gobo 2 (Planets) (wheel slot 3) 12–15 Gobo 3 (Tear Drops) (wheel slot 4) 16–19 Gobo 4 (Fractal) (wheel slot 5) 20–23 Gobo 5 (Spyrograph) (wheel slot 6) 24–27 Gobo 6 (Blue Ripple) (wheel slot 7) 28–31 Open gobo (wheel slot 1) 32–35 Gobo 1 (Ovals) (wheel slot 2) 36–39 Gobo 2 (Planets) (wheel slot 3) 40–43 Gobo 3 (Tear Drops) (wheel slot 4) 44–47 Gobo 4 (Fractal) (wheel slot 5) 48–51 Gobo 5 (Spyrograph) (wheel slot 6) 52–55 Gobo 6 (Blue Ripple) (wheel slot 7) 56–66 Gobo 1 (Ovals) (wheel slot 2) 67–77 Gobo 2 (Planets) (wheel slot 3) 78–88 Gobo 3 (Tear Drops) (wheel slot 4) 89–99 Gobo 4 (Fractal) (wheel slot 5) 100–110 Gobo 5 (Spyrograph) (wheel slot 6) 111–132 Gobo 6 (Blue Ripple) (wheel slot 7) 133–143 Gobo 5 (Spyrograph) (wheel slot 6) 144–154 Gobo 4 (Fractal) (wheel slot 5) 155–165 Gobo 3 (Tear Drops) (wheel slot 4) 166–176 Gobo 2 (Planets) (wheel slot 3) 177–187 Gobo 1 (Ovals) (wheel slot 2) 188–215 Continuous gobo wheel scroll CW, slow -> fast 216–243 Continuous gobo wheel scroll CCW, fast -> slow 244–247 Music trigged gobo chase, fast 248–251 Music trigged gobo chase, medium 252–255 Music trigged gobo chase, slow
5	Gobo Rotation	0	0–2 Indexed position 0 - 395 deg 3–121 CW, slow -> fast 122–240 CCW, fast -> slow 241–243 No rotation 244–247 Music trigged gobo rotation, fast 248–251 Music trigged gobo rotation, medium 252–255 Music trigged gobo rotation, slow
6	Focus	0	

8-bit mode (continued)

Ch	Function	Default	DMX values
7	Effect	0	0–5 No Macro 6–11 Macro 1.1 12–17 Macro 1.2 18–23 Macro 1.3 24–29 Macro 1.4 30–35 Macro 2.1 36–41 Macro 2.2 42–47 Macro 2.3 48–53 Macro 2.4 54–59 Macro 3.1 60–65 Macro 3.2 66–71 Macro 3.3 72–77 Macro 3.4 78–83 Macro 4.1 84–89 Macro 4.2 90–95 Macro 4.3 96–101 Macro 4.4 102–107 Macro 5.1 108–113 Macro 5.2 114–119 Macro 5.3 120–125 Macro 5.4 126–131 Macro 6.1 132–137 Macro 6.2 138–143 Macro 6.3 144–149 Macro 6.4 150–155 Macro 7.1 156–161 Macro 7.2 162–167 Macro 7.3 168–173 Macro 7.4 174–179 Macro 8.1 180–185 Macro 8.2 186–191 Macro 8.3 192–197 Macro 8.4 198–203 Macro 9.1 204–209 Macro 9.2 210–215 Macro 9.3 216–221 Macro 9.4 222–227 Macro 10.1 228–233 Macro 10.2 234–239 Macro 10.3 240–245 Macro 10.4 246–255 Reserved (no effect)

8-bit mode (continued)

Ch	Function	Default	DMX values
8	Effect 2	0	0–5 No Macro 6–11 Macro 1.1 12–17 Macro 1.2 18–23 Macro 1.3 24–29 Macro 1.4 30–35 Macro 2.1 36–41 Macro 2.2 42–47 Macro 2.3 48–53 Macro 2.4 54–59 Macro 3.1 60–65 Macro 3.2 66–71 Macro 3.3 72–77 Macro 3.4 78–83 Macro 4.1 84–89 Macro 4.2 90–95 Macro 4.3 96–101 Macro 4.4 102–107 Macro 5.1 108–113 Macro 5.2 114–119 Macro 5.3 120–125 Macro 5.4 126–131 Macro 6.1 132–137 Macro 6.2 138–143 Macro 6.3 144–149 Macro 6.4 150–155 Macro 7.1 156–161 Macro 7.2 162–167 Macro 7.3 168–173 Macro 7.4 174–179 Macro 8.1 180–185 Macro 8.2 186–191 Macro 8.3 192–197 Macro 8.4 198–203 Macro 9.1 204–209 Macro 9.2 210–215 Macro 9.3 216–221 Macro 9.4 222–227 Macro 10.1 228–233 Macro 10.2 234–239 Macro 10.3 240–245 Macro 10.4 246–255 Reserved (no effect)
9	Pan	128	
10	Tilt	128	
11	Position MSpeed	0	0–2 Tracking mode 3–245 Vector mode, fast -> slow 246–248 Tracking mode, normal speed (overrides speed se… 249–251 Tracking mode, fast speed (overrides speed set via… 252–255 Blackout while moving
12	Global MSpeed	0	0–2 Tracking mode 3–245 Vector mode, fast -> slow 246–251 Tracking mode (color: override menu setting; gob… 252–255 Blackout while moving (color, gobo selection, inde…

16-bit mode

15 channels

Ch	Function	Default	DMX values

16-bit mode (continued)

Ch	Function	Default	DMX values
1	Shutter / Strobe	15	0–14 Shutter closed 15–29 Shutter open 30–39 Fade in pulse (printed: Shutter fade in) 40–49 Fade out pulse (printed: Shutter fade out) 50–72 Strobe, fast -> slow 73–79 Shutter open 80–99 Opening pulse, fast -> slow 100–119 Closing pulse, fast -> slow 120–123 Shutter open 124–127 Music triggered shutter 128–147 Random strobe, fast 148–167 Random strobe, medium 168–187 Random strobe, slow 188–190 Shutter open 191–193 Random opening pulse, fast 194–196 Random opening pulse, slow 197–199 Random closing pulse, fast 200–202 Random closing pulse, slow 203–207 Shutter open 208–217 Reset fixture 218–227 Shutter open 228–237 Lamp on 238–247 Shutter open 248–255 Lamp power off (hold for 5 sec.)
2	Dimmer	0	
3	Color Wheel	0	0–0 Open (wheel slot 1) 1–15 Open (wheel slot 1) 16–16 Color 1 (Blue) (wheel slot 2) 17–31 Color 1 (Blue) (wheel slot 2) 32–32 Color 2 (Green) (wheel slot 3) 33–47 Color 2 (Green) (wheel slot 3) 48–48 Color 3 (Orange) (wheel slot 4) 49–63 Color 3 (Orange) (wheel slot 4) 64–64 Color 4 (Yellow) (wheel slot 5) 65–79 Color 4 (Yellow) (wheel slot 5) 80–80 Color 5 (Pink) (wheel slot 6) 81–95 Color 5 (Pink) (wheel slot 6) 96–96 Color 6 (Magenta) (wheel slot 7) 97–111 Color 6 (Magenta) (wheel slot 7) 112–112 Color 7 (Congo) (wheel slot 8) 113–127 Color 7 (Congo) (wheel slot 8) 128–128 Color 8 (Red) (wheel slot 9) 129–143 Color 8 (Red) (wheel slot 9) 144–144 Open (wheel slot 1) 145–148 Color 8 (Red) (wheel slot 9) 149–152 Color 7 (Congo) (wheel slot 8) 153–156 Color 6 (Magenta) (wheel slot 7) 157–160 Color 5 (Pink) (wheel slot 6) 161–164 Color 4 (Yellow) (wheel slot 5) 165–168 Color 3 (Orange) (wheel slot 4) 169–172 Color 2 (Green) (wheel slot 3) 173–176 Color 1 (Blue) (wheel slot 2) 177–180 Open (wheel slot 1) 181–203 Continuous rotation CW, fast -> slow 204–207 Open (wheel slot 1) 208–230 Continuous rotation CCW, slow -> fast 231–235 Music triggered color chase, fast 236–239 Music triggered color chase, medium 240–243 Music triggered color chase, slow 244–247 Random color chase, fast 248–251 Random color chase, medium 252–255 Random color chase, slow

16-bit mode (continued)

Ch	Function	Default	DMX values
4	Gobo	0	0–3 Open gobo (wheel slot 1) 4–7 Gobo 1 (Ovals) (wheel slot 2) 8–11 Gobo 2 (Planets) (wheel slot 3) 12–15 Gobo 3 (Tear Drops) (wheel slot 4) 16–19 Gobo 4 (Fractal) (wheel slot 5) 20–23 Gobo 5 (Spyrograph) (wheel slot 6) 24–27 Gobo 6 (Blue Ripple) (wheel slot 7) 28–31 Open gobo (wheel slot 1) 32–35 Gobo 1 (Ovals) (wheel slot 2) 36–39 Gobo 2 (Planets) (wheel slot 3) 40–43 Gobo 3 (Tear Drops) (wheel slot 4) 44–47 Gobo 4 (Fractal) (wheel slot 5) 48–51 Gobo 5 (Spyrograph) (wheel slot 6) 52–55 Gobo 6 (Blue Ripple) (wheel slot 7) 56–66 Gobo 1 (Ovals) (wheel slot 2) 67–77 Gobo 2 (Planets) (wheel slot 3) 78–88 Gobo 3 (Tear Drops) (wheel slot 4) 89–99 Gobo 4 (Fractal) (wheel slot 5) 100–110 Gobo 5 (Spyrograph) (wheel slot 6) 111–132 Gobo 6 (Blue Ripple) (wheel slot 7) 133–143 Gobo 5 (Spyrograph) (wheel slot 6) 144–154 Gobo 4 (Fractal) (wheel slot 5) 155–165 Gobo 3 (Tear Drops) (wheel slot 4) 166–176 Gobo 2 (Planets) (wheel slot 3) 177–187 Gobo 1 (Ovals) (wheel slot 2) 188–215 Continuous gobo wheel scroll CW, slow -> fast 216–243 Continuous gobo wheel scroll CCW, fast -> slow 244–247 Music trigged gobo chase, fast 248–251 Music trigged gobo chase, medium 252–255 Music trigged gobo chase, slow
5	Gobo Rotation	0	0–2 Indexed position 0 - 395 deg 3–121 CW, slow -> fast 122–240 CCW, fast -> slow 241–243 No rotation 244–247 Music trigged gobo rotation, fast 248–251 Music trigged gobo rotation, medium 252–255 Music trigged gobo rotation, slow
6	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
7	Focus	0	

16-bit mode (continued)

Ch	Function	Default	DMX values
8	Effect	0	0–5 No Macro 6–11 Macro 1.1 12–17 Macro 1.2 18–23 Macro 1.3 24–29 Macro 1.4 30–35 Macro 2.1 36–41 Macro 2.2 42–47 Macro 2.3 48–53 Macro 2.4 54–59 Macro 3.1 60–65 Macro 3.2 66–71 Macro 3.3 72–77 Macro 3.4 78–83 Macro 4.1 84–89 Macro 4.2 90–95 Macro 4.3 96–101 Macro 4.4 102–107 Macro 5.1 108–113 Macro 5.2 114–119 Macro 5.3 120–125 Macro 5.4 126–131 Macro 6.1 132–137 Macro 6.2 138–143 Macro 6.3 144–149 Macro 6.4 150–155 Macro 7.1 156–161 Macro 7.2 162–167 Macro 7.3 168–173 Macro 7.4 174–179 Macro 8.1 180–185 Macro 8.2 186–191 Macro 8.3 192–197 Macro 8.4 198–203 Macro 9.1 204–209 Macro 9.2 210–215 Macro 9.3 216–221 Macro 9.4 222–227 Macro 10.1 228–233 Macro 10.2 234–239 Macro 10.3 240–245 Macro 10.4 246–255 Reserved (no effect)

16-bit mode (continued)

Ch	Function	Default	DMX values
9	Effect 2	0	0–5 No Macro 6–11 Macro 1.1 12–17 Macro 1.2 18–23 Macro 1.3 24–29 Macro 1.4 30–35 Macro 2.1 36–41 Macro 2.2 42–47 Macro 2.3 48–53 Macro 2.4 54–59 Macro 3.1 60–65 Macro 3.2 66–71 Macro 3.3 72–77 Macro 3.4 78–83 Macro 4.1 84–89 Macro 4.2 90–95 Macro 4.3 96–101 Macro 4.4 102–107 Macro 5.1 108–113 Macro 5.2 114–119 Macro 5.3 120–125 Macro 5.4 126–131 Macro 6.1 132–137 Macro 6.2 138–143 Macro 6.3 144–149 Macro 6.4 150–155 Macro 7.1 156–161 Macro 7.2 162–167 Macro 7.3 168–173 Macro 7.4 174–179 Macro 8.1 180–185 Macro 8.2 186–191 Macro 8.3 192–197 Macro 8.4 198–203 Macro 9.1 204–209 Macro 9.2 210–215 Macro 9.3 216–221 Macro 9.4 222–227 Macro 10.1 228–233 Macro 10.2 234–239 Macro 10.3 240–245 Macro 10.4 246–255 Reserved (no effect)
10	Pan	128	
11	Pan Fine	0	Fine byte of Pan
12	Tilt	128	
13	Tilt Fine	0	Fine byte of Tilt
14	Position MSpeed	0	0–2 Tracking mode 3–245 Vector mode, fast -> slow 246–248 Tracking mode, normal speed (overrides speed se… 249–251 Tracking mode, fast speed (overrides speed set via… 252–255 Blackout while moving
15	Global MSpeed	0	0–2 Tracking mode 3–245 Vector mode, fast -> slow 246–251 Tracking mode (color: override menu setting; gob… 252–255 Blackout while moving (color, gobo selection, inde…

Fixture model: gdtf-martin-smartmac-2611100404
Original HitLight geometry, scripted locally by the HitLight fixture agent from the manufacturer's published dimension drawing and manual me…
Creator: HitLight