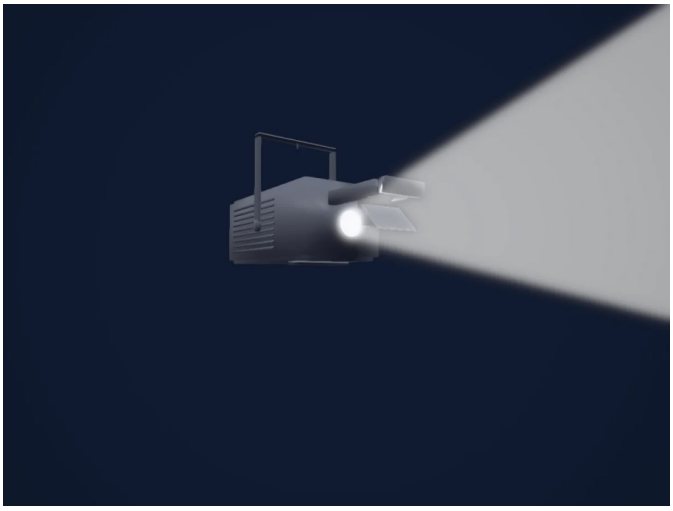
Martin

PAL 1200



Manufacturer	**Martin**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**22, 24, 26 channels**
Beam angle	**15-26°**
Pan range	**287°**
Tilt range	**85°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**9630FD31-B27E-5F26-9C53-7B...**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode1	22 ch
Mode2	24 ch
Mode3	24 ch
Mode4	26 ch

Mode1

22 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	0	0–49 No function 50–177 Strobe on (Fast -> Slow) 178–187 No function 188–197 Fan Low 198–207 No function 208–217 Reset Fixture 218–227 No function 228–237 Lamp ON (Power ON) 238–247 No function 248–255 Lamp OFF (Power OFF)
2	Dimmer	0	
3	Blade1A	0	
4	Blade1B	0	
5	Blade2A	0	
6	Blade2B	0	
7	Blade3A	0	
8	Blade3B	0	
9	Blade4A	0	
10	Blade4B	0	
11	Shaper Rot	128	
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	Color Wheel	0	0–32 White (wheel slot 1) 33–65 Color 1 (wheel slot 2) 66–98 Color 2 (wheel slot 3) 99–131 Color 3 (wheel slot 4) 132–166 Color 4 (wheel slot 5) 167–181 Color 5 (wheel slot 6) 182–195 Color 4 (wheel slot 5) 196–209 Color 3 (wheel slot 4) 210–223 Color 2 (wheel slot 3) 224–237 Color 1 (wheel slot 2) 238–255 White (wheel slot 1)
16	Gobo	0	0–22 Open Gobo (wheel slot 1) 23–45 Gobo 1 - Indexed (wheel slot 2) 46–68 Gobo 2 - Indexed (wheel slot 3) 69–91 Gobo 3 - Fixed (wheel slot 4) 92–114 Gobo 4 - Indexed (wheel slot 5) 115–137 Gobo 5 - Indexed (wheel slot 6) 138–160 Gobo 5 - Rotation (wheel slot 6) 161–183 Gobo 4 - Rotation (wheel slot 5) 184–206 Gobo 3 - Fixed (wheel slot 4) 207–229 Gobo 2 - Rotation (wheel slot 3) 230–255 Gobo 1 - Rotation (wheel slot 2)
17	Aux Index Speed	0	0–2 Indexed gobo: Index CW; rotation gobo: Static 3–126 Indexed gobo: Index CW; rotation gobo: CCW fast -> ... 127–127 Indexed gobo: Default Index; rotation gobo: CCW ... 128–252 Indexed gobo: Index CCW; rotation gobo: CW slow... 253–255 Indexed gobo: Index CCW; rotation gobo: Static
18	Focus	0	
19	Zoom	0	
20	Frost1	0	
21	Pan	127	

Mode1 (continued)

Ch	Function	Default	DMX values
22	Tilt	127	

Mode2

24 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	0	0–49 No function 50–177 Strobe on (Fast -> Slow) 178–187 No function 188–197 Fan Low 198–207 No function 208–217 Reset Fixture 218–227 No function 228–237 Lamp ON (Power ON) 238–247 No function 248–255 Lamp OFF (Power OFF)
2	Dimmer	0	
3	Blade1A	0	
4	Blade1B	0	
5	Blade2A	0	
6	Blade2B	0	
7	Blade3A	0	
8	Blade3B	0	
9	Blade4A	0	
10	Blade4B	0	
11	Shaper Rot	128	
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	Color Wheel	0	0–32 White (wheel slot 1) 33–65 Color 1 (wheel slot 2) 66–98 Color 2 (wheel slot 3) 99–131 Color 3 (wheel slot 4) 132–166 Color 4 (wheel slot 5) 167–181 Color 5 (wheel slot 6) 182–195 Color 4 (wheel slot 5) 196–209 Color 3 (wheel slot 4) 210–223 Color 2 (wheel slot 3) 224–237 Color 1 (wheel slot 2) 238–255 White (wheel slot 1)
16	Gobo	0	0–22 Open Gobo (wheel slot 1) 23–45 Gobo 1 - Indexed (wheel slot 2) 46–68 Gobo 2 - Indexed (wheel slot 3) 69–91 Gobo 3 - Fixed (wheel slot 4) 92–114 Gobo 4 - Indexed (wheel slot 5) 115–137 Gobo 5 - Indexed (wheel slot 6) 138–160 Gobo 5 - Rotation (wheel slot 6) 161–183 Gobo 4 - Rotation (wheel slot 5) 184–206 Gobo 3 - Fixed (wheel slot 4) 207–229 Gobo 2 - Rotation (wheel slot 3) 230–255 Gobo 1 - Rotation (wheel slot 2)
17	Aux Index Speed	0	0–2 Indexed gobo: Index CW; rotation gobo: Static 3–126 Indexed gobo: Index CW; rotation gobo: CCW fast -> ... 127–127 Indexed gobo: Default Index; rotation gobo: CCW ... 128–252 Indexed gobo: Index CCW; rotation gobo: CW slow... 253–255 Indexed gobo: Index CCW; rotation gobo: Static

Mode2 (continued)

Ch	Function	Default	DMX values
18	Focus	0	
19	Zoom	0	
20	Frost1	0	
21	Pan	127	
22	Pan Fine	0	Fine byte of Pan
23	Tilt	127	
24	Tilt Fine	0	Fine byte of Tilt

Mode3

24 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	0	0–49 No function 50–177 Strobe on (Fast -> Slow) 178–187 No function 188–197 Fan Low 198–207 No function 208–217 Reset Fixture 218–227 No function 228–237 Lamp ON (Power ON) 238–247 No function 248–255 Lamp OFF (Power OFF)
2	Dimmer	0	
3	Blade1A	0	
4	Blade1B	0	
5	Blade2A	0	
6	Blade2B	0	
7	Blade3A	0	
8	Blade3B	0	
9	Blade4A	0	
10	Blade4B	0	
11	Shaper Rot	128	
12	Cyan	0	
13	Magenta	0	
14	Yellow	0	
15	Color Wheel	0	0–32 White (wheel slot 1) 33–65 Color 1 (wheel slot 2) 66–98 Color 2 (wheel slot 3) 99–131 Color 3 (wheel slot 4) 132–166 Color 4 (wheel slot 5) 167–181 Color 5 (wheel slot 6) 182–195 Color 4 (wheel slot 5) 196–209 Color 3 (wheel slot 4) 210–223 Color 2 (wheel slot 3) 224–237 Color 1 (wheel slot 2) 238–255 White (wheel slot 1)

Mode3 (continued)

Ch	Function	Default	DMX values
16	Gobo	0	0–22 Open Gobo (wheel slot 1) 23–45 Gobo 1 - Indexed (wheel slot 2) 46–68 Gobo 2 - Indexed (wheel slot 3) 69–91 Gobo 3 - Fixed (wheel slot 4) 92–114 Gobo 4 - Indexed (wheel slot 5) 115–137 Gobo 5 - Indexed (wheel slot 6) 138–160 Gobo 5 - Rotation (wheel slot 6) 161–183 Gobo 4 - Rotation (wheel slot 5) 184–206 Gobo 3 - Fixed (wheel slot 4) 207–229 Gobo 2 - Rotation (wheel slot 3) 230–255 Gobo 1 - Rotation (wheel slot 2)
17	Aux Index Speed	0	0–2 Indexed gobo: Index CW; rotation gobo: Static 3–126 Indexed gobo: Index CW; rotation gobo: CCW fast -> ... 127–127 Indexed gobo: Default Index; rotation gobo: CCW ... 128–252 Indexed gobo: Index CCW; rotation gobo: CW slow... 253–255 Indexed gobo: Index CCW; rotation gobo: Static
18	Focus	0	
19	Zoom	0	
20	Frost1	0	
21	Pan	127	
22	Tilt	127	
23	Position MSpeed	0	0–2 Tracking 3–251 Speed Fast -> Slow 252–255 Blackout while moving
24	Global MSpeed	0	0–2 Tracking 3–251 Speed Fast -> Slow 252–255 Fast speed (CMY, focus, zoom, frost, dimmer, profi...

Mode4

26 channels

Ch	Function	Default	DMX values
1	Shutter / Strobe	0	0–49 No function 50–177 Strobe on (Fast -> Slow) 178–187 No function 188–197 Fan Low 198–207 No function 208–217 Reset Fixture 218–227 No function 228–237 Lamp ON (Power ON) 238–247 No function 248–255 Lamp OFF (Power OFF)
2	Dimmer	0	
3	Blade1A	0	
4	Blade1B	0	
5	Blade2A	0	
6	Blade2B	0	
7	Blade3A	0	
8	Blade3B	0	
9	Blade4A	0	
10	Blade4B	0	
11	Shaper Rot	128	
12	Cyan	0	
13	Magenta	0	

Mode4 (continued)

Ch	Function	Default	DMX values
14	Yellow	0	
15	Color Wheel	0	0–32 White (wheel slot 1) 33–65 Color 1 (wheel slot 2) 66–98 Color 2 (wheel slot 3) 99–131 Color 3 (wheel slot 4) 132–166 Color 4 (wheel slot 5) 167–181 Color 5 (wheel slot 6) 182–195 Color 4 (wheel slot 5) 196–209 Color 3 (wheel slot 4) 210–223 Color 2 (wheel slot 3) 224–237 Color 1 (wheel slot 2) 238–255 White (wheel slot 1)
16	Gobo	0	0–22 Open Gobo (wheel slot 1) 23–45 Gobo 1 - Indexed (wheel slot 2) 46–68 Gobo 2 - Indexed (wheel slot 3) 69–91 Gobo 3 - Fixed (wheel slot 4) 92–114 Gobo 4 - Indexed (wheel slot 5) 115–137 Gobo 5 - Indexed (wheel slot 6) 138–160 Gobo 5 - Rotation (wheel slot 6) 161–183 Gobo 4 - Rotation (wheel slot 5) 184–206 Gobo 3 - Fixed (wheel slot 4) 207–229 Gobo 2 - Rotation (wheel slot 3) 230–255 Gobo 1 - Rotation (wheel slot 2)
17	Aux Index Speed	0	0–2 Indexed gobo: Index CW; rotation gobo: Static 3–126 Indexed gobo: Index CW; rotation gobo: CCW fast -> ... 127–127 Indexed gobo: Default Index; rotation gobo: CCW ... 128–252 Indexed gobo: Index CCW; rotation gobo: CW slow... 253–255 Indexed gobo: Index CCW; rotation gobo: Static
18	Focus	0	
19	Zoom	0	
20	Frost1	0	
21	Pan	127	
22	Pan Fine	0	Fine byte of Pan
23	Tilt	127	
24	Tilt Fine	0	Fine byte of Tilt
25	Position MSpeed	0	0–2 Tracking 3–251 Speed Fast -> Slow 252–255 Blackout while moving
26	Global MSpeed	0	0–2 Tracking 3–251 Speed Fast -> Slow 252–255 Fast speed (CMY, focus, zoom, frost, dimmer, profi...

Fixture model: gdtf-martin-pal-1200-2026110345
Creator: HitLight
Modifications: Original HitLight 3D housing: scripted parametric geometry modelled by HitLight from public product photos and the manufactu...