Robe Lighting

Robin ProMotion



Manufacturer	**Robe Lighting**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**25, 33 channels**
Beam angle	**17°**
Pan range	**540°**
Tilt range	**260°**
Size (W × H × D)	**197 × 298 × 196 mm**
GDTF fixture type	**946C995B-6975-4FA4-BF4D-19…**

Controls

Focus · Iris · Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

Mode 1 - CMY	25 ch
Mode 2 - CMY	33 ch

Mode 1 - CMY

25 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	0–0 Standard mode 1–1 Max Speed Mode 2–255 Time from 02 s to 255 sec / Speed from max to min
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–31 3200K 32–33 4200K 34–35 5000K 36–37 5500K 38–39 5600K 40–41 6500K 42–43 7500K 44–45 8000K 46–47 9500K 48–49 Maximum brightness 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–94 Ceiling projection On 95–99 Ceiling projection Off 100–104 Rear projection On 105–109 Rear projection Off 110–114 Fans mode Auto 115–119 Fans mode High 120–121 CMY 122–123 RGB 124–125 Fans mode: quiet 126–129 NoFeature 1 130–134 Keep aspect ratio On 135–139 Keep aspect ratio Off 140–149 Pan/Tilt reset 150–179 NoFeature 2 180–189 Focus reset 190–199 Graphic engine reset 200–209 Total reset 210–219 Internal HDMI 220–229 External HDMI 230–234 Save AutoKeystoning 235–239 NoFeature 3 240–244 Synchronization of the Local NAS content with NAS 245–246 RoboSpot enabled 247–248 RoboSpot disabled except faders and PT 249–250 RoboSpot fully disabled 251–255 NoFeature 4
7	Zoom	128	0–127 Min 128–128 Real size 129–255 Max
8	Focus	128	
9	Key Stone1A	128	
10	Key Stone2B	128	
11	Cyan	0	

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
12	Magenta	0	
13	Yellow	0	
14	Color Macro1	0	
15	Color Macro2	0	
16	Media Folder	0	0–31 Deault-Factory Digital gobo wheel 32–63 Internal Custom Digital gobo wheel 64–95 External Custom Digital gobo wheel (USB) 96–127 Local NAS content 128–255 NoFeature 2

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
17	Gobo	0	0–0 Open (wheel slot 1) 1–1 Color Gobo 001 (wheel slot 2) 2–2 Color Gobo 002 (wheel slot 3) 3–3 Color Gobo 003 (wheel slot 4) 4–4 Color Gobo 004 (wheel slot 5) 5–5 Color Gobo 005 (wheel slot 6) 6–6 Color Gobo 006 (wheel slot 7) 7–7 Color Gobo 007 (wheel slot 8) 8–8 Color Gobo 008 (wheel slot 9) 9–9 Color Gobo 009 (wheel slot 10) 10–10 Color Gobo 010 (wheel slot 11) 11–11 Color Gobo 011 (wheel slot 12) 12–12 Color Gobo 012 (wheel slot 13) 13–13 Color Gobo 013 (wheel slot 14) 14–14 Color Gobo 014 (wheel slot 15) 15–15 Color Gobo 015 (wheel slot 16) 16–16 Color Gobo 016 (wheel slot 17) 17–17 Color Gobo 017 (wheel slot 18) 18–18 Color Gobo 018 (wheel slot 19) 19–19 Color Gobo 019 (wheel slot 20) 20–20 Color Gobo 020 (wheel slot 21) 21–21 Color Gobo 021 (wheel slot 22) 22–22 Color Gobo 022 (wheel slot 23) 23–23 Color Gobo 023 (wheel slot 24) 24–24 Color Gobo 024 (wheel slot 25) 25–25 Color Gobo 025 (wheel slot 26) 26–26 Color Gobo 026 (wheel slot 27) 27–27 Color Gobo 027 (wheel slot 28) 28–28 Color Gobo 028 (wheel slot 29) 29–29 Color Gobo 029 (wheel slot 30) 30–30 Color Gobo 030 (wheel slot 31) 31–31 Color Gobo 031 (wheel slot 32) 32–32 Color Gobo 032 (wheel slot 33) 33–33 Color Gobo 033 (wheel slot 34) 34–34 Color Gobo 034 (wheel slot 35) 35–35 Color Gobo 035 (wheel slot 36) 36–36 Color Gobo 036 (wheel slot 37) 37–37 Color Gobo 037 (wheel slot 38) 38–38 Color Gobo 038 (wheel slot 39) 39–39 Color Gobo 039 (wheel slot 40) 40–40 Color Gobo 040 (wheel slot 41) 41–41 Color Gobo 041 (wheel slot 42) 42–42 Color Gobo 042 (wheel slot 43) 43–43 Color Gobo 043 (wheel slot 44) 44–44 Color Gobo 044 (wheel slot 45) 45–45 Color Gobo 045 (wheel slot 46) 46–46 Color Gobo 046 (wheel slot 47) 47–47 Color Gobo 047 (wheel slot 48) 48–48 Color Gobo 048 (wheel slot 49) 49–49 Color Gobo 049 (wheel slot 50) 50–50 Color Gobo 050 (wheel slot 51) 51–51 Color Gobo 051 (wheel slot 52) 52–52 Color Gobo 052 (wheel slot 53) 53–53 Color Gobo 053 (wheel slot 54) 54–54 Color Gobo 054 (wheel slot 55) 55–55 Color Gobo 055 (wheel slot 56) 56–56 Color Gobo 056 (wheel slot 57) 57–57 Color Gobo 057 (wheel slot 58) 58–58 Color Gobo 058 (wheel slot 59) 59–59 Color Gobo 059 (wheel slot 60) 60–60 Color Gobo 060 (wheel slot 61) 61–61 Color Gobo 061 (wheel slot 62) 62–62 Color Gobo 062 (wheel slot 63) 63–63 Color Gobo 063 (wheel slot 64)

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
18	Video	0	0–0 Original speed 1–1 Pause 2–127 Speed from min (1/4x) to original 128–254 Speed from original to max (4x) 255–255 Speed max (4x)
19	Gobo Rotation	0	0–127 Gobo indexing 128–137 Fast to slow 1/7 138–147 Fast to slow 2/7 148–157 Fast to slow 3/7 158–167 Fast to slow 4/7 168–177 Fast to slow 5/7 178–187 Fast to slow 6/7 188–190 Fast to slow 7/7 191–192 No rotation middle 193–197 Slow to fast 1/7 198–207 Slow to fast 2/7 208–217 Slow to fast 3/7 218–227 Slow to fast 4/7 228–237 Slow to fast 5/7 238–247 Slow to fast 6/7 248–255 Slow to fast 7/7
20	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
21	Effect	0	0–0 Open 1–1 Random transition 2–2 Transition with blending 3–3 Transition from left to right - horizontally 4–4 Transition from right to left - horizontally 5–5 Stripe transition from left to right - horizontally 6–6 Stripe transition from right to left - horizontally 7–7 3-stripe transition from left to right - horizontally 8–8 3-stripe transition from right to left - horizontally 9–9 6-stripe transition from left to right - horizontally 10–10 6-stripe transition from right to left - horizontally 11–11 Transition up to down - vertically 12–12 Transition down to up - vertically 13–13 Stripe transition up to down - vertically 14–14 Stripe transition down to up - vertically 15–15 3-stripe transition up to down - vertically 16–16 3-stripe transition down to up - vertically 17–17 6-stripe transition up to down - vertically 18–18 6-stripe transition down to up - vertically 19–19 Transition 2 from left to right - horizontally 20–20 Transition 2 from right to left - horizontally 21–21 Transition 2 from up to down - horizontally 22–22 Transition 2 from down to up - horizontally 23–23 Iris transition out to in 24–24 Iris transition in to out 25–25 Iris transition out to in - diffusion edge 26–26 Iris transition in to out - diffusion edge 27–27 Iris transition 3 out to in 28–28 Iris transition 3 in to out 29–29 Moving transition from left to right 30–30 Moving transition from right to left 31–31 Moving transition up to down 32–32 Moving transition down to up 33–33 Drop transition 34–34 Simple transition 35–35 Pixel transition 36–36 Transition via blending 37–37 Transition with white output 38–38 Crossing transition 39–39 Picture in picture transition 40–40 Direct transition 41–41 Transition with vertical rotation 42–42 Transition with horizontal rotation 43–43 Transition with diagonal rotation 44–44 Transition with diagonal rotation - opposite direction 45–45 Zoom out transition 46–46 Zoom in transition 47–47 Zoom transition in horizontal direction 48–48 Zoom transition in vertical direction 49–79 NoFeature1 80–80 Kaleidoscope 1 81–81 Kaleidoscope 2 82–82 Kaleidoscope 3 83–83 Kaleidoscope 4 84–84 Kaleidoscope 5 85–85 Sunflower kaleidoscope (coarse) 86–86 Sunflower kaleidoscope (soft) 87–87 Sunflower kaleidoscope (slow) 88–88 Sunflower kaleidoscope (faster) 89–89 Sunflower kaleidoscope (fastest) 90–99 NoFeature2 100–100 Circle iris in/out 101–101 Circle iris in/out (diffusion edge) 102–102 Vertical ellipse iris in/out

Mode 1 - CMY (continued)

Ch	Function	Default	DMX values
22	Effects1Fade	0	0–0 Presentation 1–126 Time min to max 127–127 Stop 128–128 Center 129–250 Time from max to min 251–254 Stop 255–255 Stop (1)
23	Iris	0	0–0 Open 1–255 From max to min diameter
24	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–74 Strobe · Slow to fast 1/10 0.303–6.72 Hz 75–91 Strobe · Slow to fast 5/10 7.36–17.6 Hz 92–95 Strobe · Slow to fast 10/10 18.3–20.2 Hz 96–127 Open 128–134 Shutter1StrobePulseOpen · Slow to fast 1/7 0.126–... 135–140 Shutter1StrobePulseOpen · Slow to fast 4/7 0.302–... 141–143 Shutter1StrobePulseOpen · Slow to fast 7/7 0.454–... 144–149 Shutter1StrobePulseClose · Fast to slow 1/7 0.504–... 150–155 Shutter1StrobePulseClose · Fast to slow 4/7 0.353–... 156–159 Shutter1StrobePulseClose · Fast to slow 7/7 0.202–... 160–191 Open 192–223 Random strobe from slow to fast 224–255 Open
25	Dimmer	0	0–0 Closed / LEDs OFF 1–254 Closed / LEDs ON 255–255 Open / LEDs ON

Mode 2 - CMY

33 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	0–0 Standard mode 1–1 Max Speed Mode 2–255 Time from 02 s to 255 sec / Speed from max to min

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–24 Display ON 25–29 Display OFF 30–31 3200K 32–33 4200K 34–35 5000K 36–37 5500K 38–39 5600K 40–41 6500K 42–43 7500K 44–45 8000K 46–47 9500K 48–49 Maximum brightness 50–59 Pan/Tilt speed mode 60–69 Pan/Tilt time mode 70–79 Blackout while pan/tilt moving 80–89 Disabled blackout while pan/tilt moving 90–94 Ceiling projection On 95–99 Ceiling projection Off 100–104 Rear projection On 105–109 Rear projection Off 110–114 Fans mode Auto 115–119 Fans mode High 120–121 CMY 122–123 RGB 124–125 Fans mode: quiet 126–129 NoFeature 1 130–134 Keep aspect ratio On 135–139 Keep aspect ratio Off 140–149 Pan/Tilt reset 150–179 NoFeature 2 180–189 Focus reset 190–199 Graphic engine reset 200–209 Total reset 210–219 Internal HDMI 220–229 External HDMI 230–234 Save AutoKeystoning 235–239 NoFeature 3 240–244 Synchronization of the Local NAS content with NAS 245–246 RoboSpot enabled 247–248 RoboSpot disabled except faders and PT 249–250 RoboSpot fully disabled 251–255 NoFeature 4
7	Zoom	128	0–127 Min 128–128 Real size 129–255 Max
8	Focus	128	
9	Key Stone1A	128	
10	Key Stone2B	128	
11	Key Stone3A	0	0–0 KeyStone OFF 1–255 Movement of the top left corner X coordinate to cent...
12	Key Stone3B	0	0–0 KeyStone OFF 1–255 Movement of the top left corner Y coordinate to cent...
13	Key Stone4A	0	0–0 KeyStone OFF 1–255 Movement of the top right corner X coordinate to ce...
14	Key Stone4B	0	0–0 KeyStone OFF 1–255 Movement of the top right corner Y coordinate to ce...

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
15	Key Stone5A	0	0–0 KeyStone OFF 1–255 Movement of the bottom right corner X coordinate t...
16	Key Stone5B	0	0–0 KeyStone OFF 1–255 Movement of the bottom right corner Y coordinate t...
17	Key Stone6A	0	0–0 KeyStone OFF 1–255 Movement of the bottom left corner X coordinate to ...
18	Key Stone6B	0	0–0 KeyStone OFF 1–255 Movement of the bottom left corner Y coordinate to ...
19	Cyan	0	
20	Magenta	0	
21	Yellow	0	
22	Color Macro1	0	
23	Color Macro2	0	
24	Media Folder	0	0–31 Deault-Factory Digital gobo wheel 32–63 Internal Custom Digital gobo wheel 64–95 External Custom Digital gobo wheel (USB) 96–127 Local NAS content 128–255 NoFeature 2

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
25	Gobo	0	0–0 Open (wheel slot 1) 1–1 Color Gobo 001 (wheel slot 2) 2–2 Color Gobo 002 (wheel slot 3) 3–3 Color Gobo 003 (wheel slot 4) 4–4 Color Gobo 004 (wheel slot 5) 5–5 Color Gobo 005 (wheel slot 6) 6–6 Color Gobo 006 (wheel slot 7) 7–7 Color Gobo 007 (wheel slot 8) 8–8 Color Gobo 008 (wheel slot 9) 9–9 Color Gobo 009 (wheel slot 10) 10–10 Color Gobo 010 (wheel slot 11) 11–11 Color Gobo 011 (wheel slot 12) 12–12 Color Gobo 012 (wheel slot 13) 13–13 Color Gobo 013 (wheel slot 14) 14–14 Color Gobo 014 (wheel slot 15) 15–15 Color Gobo 015 (wheel slot 16) 16–16 Color Gobo 016 (wheel slot 17) 17–17 Color Gobo 017 (wheel slot 18) 18–18 Color Gobo 018 (wheel slot 19) 19–19 Color Gobo 019 (wheel slot 20) 20–20 Color Gobo 020 (wheel slot 21) 21–21 Color Gobo 021 (wheel slot 22) 22–22 Color Gobo 022 (wheel slot 23) 23–23 Color Gobo 023 (wheel slot 24) 24–24 Color Gobo 024 (wheel slot 25) 25–25 Color Gobo 025 (wheel slot 26) 26–26 Color Gobo 026 (wheel slot 27) 27–27 Color Gobo 027 (wheel slot 28) 28–28 Color Gobo 028 (wheel slot 29) 29–29 Color Gobo 029 (wheel slot 30) 30–30 Color Gobo 030 (wheel slot 31) 31–31 Color Gobo 031 (wheel slot 32) 32–32 Color Gobo 032 (wheel slot 33) 33–33 Color Gobo 033 (wheel slot 34) 34–34 Color Gobo 034 (wheel slot 35) 35–35 Color Gobo 035 (wheel slot 36) 36–36 Color Gobo 036 (wheel slot 37) 37–37 Color Gobo 037 (wheel slot 38) 38–38 Color Gobo 038 (wheel slot 39) 39–39 Color Gobo 039 (wheel slot 40) 40–40 Color Gobo 040 (wheel slot 41) 41–41 Color Gobo 041 (wheel slot 42) 42–42 Color Gobo 042 (wheel slot 43) 43–43 Color Gobo 043 (wheel slot 44) 44–44 Color Gobo 044 (wheel slot 45) 45–45 Color Gobo 045 (wheel slot 46) 46–46 Color Gobo 046 (wheel slot 47) 47–47 Color Gobo 047 (wheel slot 48) 48–48 Color Gobo 048 (wheel slot 49) 49–49 Color Gobo 049 (wheel slot 50) 50–50 Color Gobo 050 (wheel slot 51) 51–51 Color Gobo 051 (wheel slot 52) 52–52 Color Gobo 052 (wheel slot 53) 53–53 Color Gobo 053 (wheel slot 54) 54–54 Color Gobo 054 (wheel slot 55) 55–55 Color Gobo 055 (wheel slot 56) 56–56 Color Gobo 056 (wheel slot 57) 57–57 Color Gobo 057 (wheel slot 58) 58–58 Color Gobo 058 (wheel slot 59) 59–59 Color Gobo 059 (wheel slot 60) 60–60 Color Gobo 060 (wheel slot 61) 61–61 Color Gobo 061 (wheel slot 62) 62–62 Color Gobo 062 (wheel slot 63) 63–63 Color Gobo 063 (wheel slot 64)

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
26	Video	0	0–0 Original speed 1–1 Pause 2–127 Speed from min (1/4x) to original 128–254 Speed from original to max (4x) 255–255 Speed max (4x)
27	Gobo Rotation	0	0–127 Gobo indexing 128–137 Fast to slow 1/7 138–147 Fast to slow 2/7 148–157 Fast to slow 3/7 158–167 Fast to slow 4/7 168–177 Fast to slow 5/7 178–187 Fast to slow 6/7 188–190 Fast to slow 7/7 191–192 No rotation middle 193–197 Slow to fast 1/7 198–207 Slow to fast 2/7 208–217 Slow to fast 3/7 218–227 Slow to fast 4/7 228–237 Slow to fast 5/7 238–247 Slow to fast 6/7 248–255 Slow to fast 7/7
28	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
29	Effect	0	0–0 Open 1–1 Random transition 2–2 Transition with blending 3–3 Transition from left to right - horizontally 4–4 Transition from right to left - horizontally 5–5 Stripe transition from left to right - horizontally 6–6 Stripe transition from right to left - horizontally 7–7 3-stripe transition from left to right - horizontally 8–8 3-stripe transition from right to left - horizontally 9–9 6-stripe transition from left to right - horizontally 10–10 6-stripe transition from right to left - horizontally 11–11 Transition up to down - vertically 12–12 Transition down to up - vertically 13–13 Stripe transition up to down - vertically 14–14 Stripe transition down to up - vertically 15–15 3-stripe transition up to down - vertically 16–16 3-stripe transition down to up - vertically 17–17 6-stripe transition up to down - vertically 18–18 6-stripe transition down to up - vertically 19–19 Transition 2 from left to right - horizontally 20–20 Transition 2 from right to left - horizontally 21–21 Transition 2 from up to down - horizontally 22–22 Transition 2 from down to up - horizontally 23–23 Iris transition out to in 24–24 Iris transition in to out 25–25 Iris transition out to in - diffusion edge 26–26 Iris transition in to out - diffusion edge 27–27 Iris transition 3 out to in 28–28 Iris transition 3 in to out 29–29 Moving transition from left to right 30–30 Moving transition from right to left 31–31 Moving transition up to down 32–32 Moving transition down to up 33–33 Drop transition 34–34 Simple transition 35–35 Pixel transition 36–36 Transition via blending 37–37 Transition with white output 38–38 Crossing transition 39–39 Picture in picture transition 40–40 Direct transition 41–41 Transition with vertical rotation 42–42 Transition with horizontal rotation 43–43 Transition with diagonal rotation 44–44 Transition with diagonal rotation - opposite direction 45–45 Zoom out transition 46–46 Zoom in transition 47–47 Zoom transition in horizontal direction 48–48 Zoom transition in vertical direction 49–79 NoFeature1 80–80 Kaleidoscope 1 81–81 Kaleidoscope 2 82–82 Kaleidoscope 3 83–83 Kaleidoscope 4 84–84 Kaleidoscope 5 85–85 Sunflower kaleidoscope (coarse) 86–86 Sunflower kaleidoscope (soft) 87–87 Sunflower kaleidoscope (slow) 88–88 Sunflower kaleidoscope (faster) 89–89 Sunflower kaleidoscope (fastest) 90–99 NoFeature2 100–100 Circle iris in/out 101–101 Circle iris in/out (diffusion edge) 102–102 Vertical ellipse iris in/out

Mode 2 - CMY (continued)

Ch	Function	Default	DMX values
30	Effects1Fade	0	0–0 Presentation 1–126 Time min to max 127–127 Stop 128–128 Center 129–250 Time from max to min 251–254 Stop 255–255 Stop (1)
31	Iris	0	0–0 Open 1–255 From max to min diameter
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–74 Strobe · Slow to fast 1/10 0.303–6.72 Hz 75–91 Strobe · Slow to fast 5/10 7.36–17.6 Hz 92–95 Strobe · Slow to fast 10/10 18.3–20.2 Hz 96–127 Open 128–134 Shutter1StrobePulseOpen · Slow to fast 1/7 0.126–... 135–140 Shutter1StrobePulseOpen · Slow to fast 4/7 0.302–... 141–143 Shutter1StrobePulseOpen · Slow to fast 7/7 0.454–... 144–149 Shutter1StrobePulseClose · Fast to slow 1/7 0.504–... 150–155 Shutter1StrobePulseClose · Fast to slow 4/7 0.353–... 156–159 Shutter1StrobePulseClose · Fast to slow 7/7 0.202–... 160–191 Open 192–223 Random strobe from slow to fast 224–255 Open
33	Dimmer	0	0–0 Closed / LEDs OFF 1–254 Closed / LEDs ON 255–255 Open / LEDs ON