Robe

ColorWash 250 AT



Manufacturer	**Robe**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**16, 18, 20 channels**
Beam angle	**8-32°**
Pan range	**530°**
Tilt range	**280°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**BFBBA830-D7EA-5046-97FC-28…**

Controls

Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode 2 (16 ch)	16 ch
Mode 1 (18 ch)	18 ch
Mode 4 (18 ch)	18 ch
Mode 3 (20 ch)	20 ch

Mode 2 (16 ch)

16 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 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time 0,1-25,...
6	Control1	0	0–49 Reserved 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 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–129 Reserved 130–139 Lamp On,reset(total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Reserved 170–179 Dimmer/Strobe reset 180–189 Zoom/effect wheel reset 190–199 Reserved 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Color Wheel	0	0–17 Open/white (wheel slot 1) 18–35 Dark red (wheel slot 2) 36–53 Dark blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 CTF 3200K (wheel slot 5) 90–107 CTF 6000K (wheel slot 6) 108–127 UV filter (wheel slot 7) 128–129 White (wheel slot 1) 130–139 Dark red (wheel slot 2) 140–149 Dark blue (wheel slot 3) 150–159 Green (wheel slot 4) 160–169 CTF 3200K (wheel slot 5) 170–179 CTF 6000K (wheel slot 6) 180–189 UV filter (wheel slot 7) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	Color Mix MSpeed	0	

Mode 2 (16 ch) (continued)

Ch	Function	Default	DMX values
12	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
13	Beam Shaper	0	0–70 Full beam 71–179 Beam shaper 180–199 Swivelling beam effect from slow to fast 200–255 Frost filter
14	Zoom	0	
15	Shutter / Strobe	32	0–31 Shutter closed, 32–63 Shutter open, 64–95 Strobe-effect from slow to fast (max.15 flashes/s) 96–127 Shutter open, 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Shutter open 192–223 Random strobe-effect from slow to fast 224–255 Shutter open
16	Dimmer	0	

Mode 1 (18 ch)

18 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 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time 0,1-25,...

Mode 1 (18 ch) (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–49 Reserved 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 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–129 Reserved 130–139 Lamp On,reset(total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Reserved 170–179 Dimmer/Strobe reset 180–189 Zoom/effect wheel reset 190–199 Reserved 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Color Wheel	0	0–17 Open/white (wheel slot 1) 18–35 Dark red (wheel slot 2) 36–53 Dark blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 CTF 3200K (wheel slot 5) 90–107 CTF 6000K (wheel slot 6) 108–127 UV filter (wheel slot 7) 128–129 White (wheel slot 1) 130–139 Dark red (wheel slot 2) 140–149 Dark blue (wheel slot 3) 150–159 Green (wheel slot 4) 160–169 CTF 3200K (wheel slot 5) 170–179 CTF 6000K (wheel slot 6) 180–189 UV filter (wheel slot 7) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Cyan	0	
10	Magenta	0	
11	Yellow	0	
12	Color Mix MSpeed	0	

Mode 1 (18 ch) (continued)

Ch	Function	Default	DMX values
13	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
14	Beam Shaper	0	0–70 Full beam 71–179 Beam shaper 180–199 Swivelling beam effect from slow to fast 200–255 Frost filter
15	Zoom	0	
16	Shutter / Strobe	32	0–31 Shutter closed, 32–63 Shutter open, 64–95 Strobe-effect from slow to fast (max.15 flashes/s) 96–127 Shutter open, 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Shutter open 192–223 Random strobe-effect from slow to fast 224–255 Shutter open
17	Dimmer	0	
18	Dimmer Fine	0	Fine byte of Dimmer

Mode 4 (18 ch)

18 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

Mode 4 (18 ch) (continued)

Ch	Function	Default	DMX values
5	Position MSpeed	0	0–0 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time 0,1-25,...
6	Control1	0	0–49 Reserved 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 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–129 Reserved 130–139 Lamp On,reset(total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Reserved 170–179 Dimmer/Strobe reset 180–189 Zoom/effect wheel reset 190–199 Reserved 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Position Effect	0	0–9 Disabled pan/tilt macro 10–31 Reserved 32–63 Figure of circle (from small to large) 64–95 Figure of horizontal eight (from small to large) 96–127 Figure of vertical eight (from small to large) 128–159 Figure of rectangle (from small to large) 160–191 Figure of triangle (from small to large) 192–223 Figure of star (from small to large) 224–255 Figure of cross (from small to large)
8	Position Effect Rate	0	0–0 No macro generation 1–127 Macro generation from fast to slow-forwards 128–129 No macro generation 130–255 Macro generation from slow to fast-backwards
9	Color Wheel	0	0–17 Open/white (wheel slot 1) 18–35 Dark red (wheel slot 2) 36–53 Dark blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 CTF 3200K (wheel slot 5) 90–107 CTF 6000K (wheel slot 6) 108–127 UV filter (wheel slot 7) 128–129 White (wheel slot 1) 130–139 Dark red (wheel slot 2) 140–149 Dark blue (wheel slot 3) 150–159 Green (wheel slot 4) 160–169 CTF 3200K (wheel slot 5) 170–179 CTF 6000K (wheel slot 6) 180–189 UV filter (wheel slot 7) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	Color Mix MSpeed	0	

Mode 4 (18 ch) (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
15	Beam Shaper	0	0–70 Full beam 71–179 Beam shaper 180–199 Swivelling beam effect from slow to fast 200–255 Frost filter
16	Zoom	0	
17	Shutter / Strobe	32	0–31 Shutter closed, 32–63 Shutter open, 64–95 Strobe-effect from slow to fast (max.15 flashes/s) 96–127 Shutter open, 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Shutter open 192–223 Random strobe-effect from slow to fast 224–255 Shutter open
18	Dimmer	0	

Mode 3 (20 ch)

20 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 Max. speed (tracking mode) 1–255 Speed from max. to min. (vector mode) / time 0,1-25,...

Mode 3 (20 ch) (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–49 Reserved 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 90–99 Blackout while colour wheel moving 100–109 Disabled blackout while colour wheel moving 110–129 Reserved 130–139 Lamp On,reset(total reset except pan/tilt reset) 140–149 Pan/Tilt reset 150–159 Colour system reset 160–169 Reserved 170–179 Dimmer/Strobe reset 180–189 Zoom/effect wheel reset 190–199 Reserved 200–209 Total reset 210–229 Reserved 230–239 Lamp Off 240–255 Reserved
7	Position Effect	0	0–9 Disabled pan/tilt macro 10–31 Reserved 32–63 Figure of circle (from small to large) 64–95 Figure of horizontal eight (from small to large) 96–127 Figure of vertical eight (from small to large) 128–159 Figure of rectangle (from small to large) 160–191 Figure of triangle (from small to large) 192–223 Figure of star (from small to large) 224–255 Figure of cross (from small to large)
8	Position Effect Rate	0	0–0 No macro generation 1–127 Macro generation from fast to slow-forwards 128–129 No macro generation 130–255 Macro generation from slow to fast-backwards
9	Color Wheel	0	0–17 Open/white (wheel slot 1) 18–35 Dark red (wheel slot 2) 36–53 Dark blue (wheel slot 3) 54–71 Green (wheel slot 4) 72–89 CTF 3200K (wheel slot 5) 90–107 CTF 6000K (wheel slot 6) 108–127 UV filter (wheel slot 7) 128–129 White (wheel slot 1) 130–139 Dark red (wheel slot 2) 140–149 Dark blue (wheel slot 3) 150–159 Green (wheel slot 4) 160–169 CTF 3200K (wheel slot 5) 170–179 CTF 6000K (wheel slot 6) 180–189 UV filter (wheel slot 7) 190–215 Forwards rainbow effect from fast to slow 216–217 No rotation 218–243 Backwards rainbow effect from slow to fast 244–249 Random colour selection by audio control 250–255 Auto random colour selection from fast to slow
10	Color Wheel Fine	0	Fine byte of Color Wheel
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	Color Mix MSpeed	0	

Mode 3 (20 ch) (continued)

Ch	Function	Default	DMX values
15	Color Macro1	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–243 Macro 30 - Random rainbow effect from fast to slow 244–249 Random macro selection by audio control 250–255 Auto random macro selection from fast to slow
16	Beam Shaper	0	0–70 Full beam 71–179 Beam shaper 180–199 Swivelling beam effect from slow to fast 200–255 Frost filter
17	Zoom	0	
18	Shutter / Strobe	32	0–31 Shutter closed, 32–63 Shutter open, 64–95 Strobe-effect from slow to fast (max.15 flashes/s) 96–127 Shutter open, 128–143 Opening pulse in sequences from slow to fast 144–159 Closing pulse in sequences from fast to slow 160–191 Shutter open 192–223 Random strobe-effect from slow to fast 224–255 Shutter open
19	Dimmer	0	
20	Dimmer Fine	0	Fine byte of Dimmer

Fixture model: gdtf-robe-colorwash-250-at-2611110703
Original HitLight geometry, scripted locally by the HitLight fixture agent from the manufacturer manual's published dimension drawing and pr...
Creator: HitLight