Briteq

BTX-Saturn



Manufacturer	**Briteq**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**25, 27 channels**
Beam angle	**8-45°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**253 × 411 × 208 mm**
GDTF fixture type	**5E22BB90-7C5F-4A71-9477-1F…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

25Ch	25 ch
27Ch	27 ch

25Ch

25 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	Position MSpeed	0	0–254 Max Speed 255–255 Min Speed
6	Control1	0	0–19 No Function 20–29 BlackOut Pan/Tilt Enable 30–39 BlackOut Pan/Tilt Disable 40–49 BlackOut Color Enable 50–59 BlackOut Color Disable 60–69 BlackOut Gobo Enable 70–79 BlackOut Gobo Disable 80–89 Linear curve 90–99 Square curve 100–109 Inv Square curve 110–119 S-curve 120–129 Fast mode 130–139 Slow mode 140–149 Silent mode Enable 150–159 Silent mode Disable 160–169 Focus Compensate Disable 170–179 Focus Compensate Near 180–189 Focus Compensate Medium 190–199 Focus Compensate Far 200–219 NoFeature 7 220–229 Reset All 230–239 Reset Effect 240–249 Reset Pan/Tilt 250–255 NoFeature 11
7	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 Red (wheel slot 2) 13–18 Aqua Marine (wheel slot 3) 19–25 Orange (wheel slot 4) 26–31 Green (wheel slot 5) 32–37 CTB 8000K (wheel slot 6) 38–44 CTO 5600K (wheel slot 7) 45–50 CTO 3200K (wheel slot 8) 51–56 Lime Green (wheel slot 9) 57–63 UV (wheel slot 10) 64–127 Index 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	

25Ch (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	10	0–9 CMY Color mix 10–14 LEE 790 - Moroccan Pink (wheel slot 1) 15–19 LEE 157 - Pink (wheel slot 2) 20–24 LEE 332 - Special Rose Pink (wheel slot 3) 25–29 LEE 328 - Follies Pink (wheel slot 4) 30–34 LEE 345 - Fuchsia Pink (wheel slot 5) 35–39 LEE 194 - Surprise Pink (wheel slot 6) 40–44 LEE 181 - Congo Blue (wheel slot 7) 45–49 LEE 071 - Tokyo Blue (wheel slot 8) 50–54 LEE 120 - Deep Blue (wheel slot 9) 55–59 LEE 079 - Just Blue (wheel slot 10) 60–64 LEE 132 - Medium Blue (wheel slot 11) 65–69 LEE 200 - Double CT Blue (wheel slot 12) 70–74 LEE 161 - Slate Blue (wheel slot 13) 75–79 LEE 201 - Full CT Blue (wheel slot 14) 80–84 LEE 202 - Half CT Blue (wheel slot 15) 85–89 LEE 117 - Steel Blue (wheel slot 16) 90–94 LEE 353 - Lighter Blue (wheel slot 17) 95–99 LEE 118 - Light Blue (wheel slot 18) 100–104 LEE 116 - Medium Blue Green (wheel slot 19) 105–109 LEE 124 - Dark Green (wheel slot 20) 110–114 LEE 139 - Primary Green (wheel slot 21) 115–119 LEE 089 - Moss Green (wheel slot 22) 120–124 LEE 122 - Fern Green (wheel slot 23) 125–129 LEE 738 - JAS Green (wheel slot 24) 130–134 LEE 088 - Lime Green (wheel slot 25) 135–139 LEE 100 - Spring Yellow (wheel slot 26) 140–144 LEE 107 - Deep Amber (wheel slot 27) 145–149 LEE 179 - Chrome Orange (wheel slot 28) 150–154 LEE 105 - Orange (wheel slot 29) 155–159 LEE 021 - Gold Amber (wheel slot 30) 160–164 LEE 778 - Millennium Gold (wheel slot 31) 165–169 LEE 135 - Deep Gold Amber (wheel slot 32) 170–174 LEE 164 - Flame Red (wheel slot 33) 175–179 Open 180–180 Rotate CW Max 181–200 Rotate CW fast to slow 201–201 Rotate CW Min 202–207 Stop 208–208 Rotate CCW Min 209–228 Rotate CCW slow to fast 229–229 Rotate CCW Max 230–234 CMY Colormix 235–248 Max 249–249 Min 250–255 CMY Colormix

25Ch (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 (wheel slot 2) 73–81 Gobo 2 (wheel slot 3) 82–90 Gobo 3 (wheel slot 4) 91–99 Gobo 4 (wheel slot 5) 100–108 Gobo 5 (wheel slot 6) 109–117 Gobo 6 (wheel slot 7) 118–127 Gobo 7 (wheel slot 8) 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
13	Gobo Rotation	0	0–127 Index 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
15	Gobo 2	0	0–6 Open (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–56 Gobo 8 (wheel slot 9) 57–63 Gobo 9 (wheel slot 10) 64–70 Gobo 1 (wheel slot 2) 71–77 Gobo 2 (wheel slot 3) 78–84 Gobo 3 (wheel slot 4) 85–91 Gobo 4 (wheel slot 5) 92–98 Gobo 5 (wheel slot 6) 99–105 Gobo 6 (wheel slot 7) 106–112 Gobo 7 (wheel slot 8) 113–119 Gobo 8 (wheel slot 9) 120–127 Gobo 9 (wheel slot 10) 128–128 Rotation CW Max 129–189 Rotation CW fast to slow 190–190 Rotation CW Min 191–192 Stop 193–193 Rotation CCW Min 194–254 Rotation CCW slow to fast 255–255 Rotation CCW Max

25Ch (continued)

Ch	Function	Default	DMX values
16	Prism	0	0–10 Open 11–127 Prism (wheel slot 1) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
17	Prism Rotation	0	0–127 Index (wheel slot 1) 128–128 Rotation CW Max 129–189 Rotation CW fast to slow 190–190 Rotation CW Min 191–192 Stop 193–193 Rotation CCW Min 194–254 Rotation CCW slow to fast 255–255 Rotation CCW Max
18	Zoom	64	0–128 Narrow 129–129 Wide 130–153 Open Pulse Max 154–154 Open Pulse Min 155–159 Wide 160–183 Close Pulse Max 184–184 Close Pulse Min 185–189 Wide 1 190–213 Ramp Max 214–214 Ramp Min 215–219 Wide 2 220–243 Random Max 244–244 Random Min 245–255 Wide 3
19	Focus	0	
20	Focus Fine	0	Fine byte of Focus
21	Frost1	0	0–98 Open 99–123 Max 124–124 Min 125–129 Open 130–153 Max 154–154 Min 155–159 Open 1 160–183 Max 184–184 Min 185–189 Open 2 190–213 Max 214–214 Min 215–219 Open 3 220–244 Depth of field enable 245–255 Depth of field disable

25Ch (continued)

Ch	Function	Default	DMX values
22	Iris	0	0–128 Open 129–129 Closed 130–153 Max 154–154 Min 155–159 Open 160–183 Max 184–184 Min 185–189 Open 1 190–213 Max 214–218 Min 219–219 Open 2 220–243 Max 244–244 Min 245–255 Open 3
23	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–63 Strobe · Max 25–1.13 Hz 64–64 Strobe · Min 0.5 Hz 65–69 Open 70–83 PulseOpen · Max 25–2.25 Hz 84–84 PulseOpen · Min 0.5 Hz 85–89 Open 1 90–103 PulseClose · Max 104–104 PulseClose · Min 105–109 Open 2 110–123 StrobeRandom · Max 124–124 StrobeRandom · Min 125–129 Open 3 130–143 RandomPulseOpen · Max 144–144 RandomPulseOpen · Min 145–149 Open 4 150–163 RandomPulseClose · Max 164–164 RandomPulseClose · Min 165–169 Open 5 170–183 Burst Pulse Max 184–184 Burst Pulse Min 185–189 Open 6 190–203 Random Burst Pulse Max 204–204 Random Burste Pulse Min 205–209 Open 7 210–223 Sine Wave strobe · Sine wave Max 224–224 Sine Wave strobe · Sine wave Min 225–229 Open 8 230–243 Burst strobe · Burst Max 244–244 Burst strobe · Burst Min 245–255 Open 9
24	Dimmer	0	0–254 Closed 255–255 Open
25	Dimmer Fine	0	Fine byte of Dimmer

27Ch

27 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	Position MSpeed	0	0–254 Max Speed 255–255 Min Speed

27Ch (continued)

Ch	Function	Default	DMX values
6	Control1	0	0–19 No Function 20–29 BlackOut Pan/Tilt Enable 30–39 BlackOut Pan/Tilt Disable 40–49 BlackOut Color Enable 50–59 BlackOut Color Disable 60–69 BlackOut Gobo Enable 70–79 BlackOut Gobo Disable 80–89 Linear curve 90–99 Square curve 100–109 Inv Square curve 110–119 S-curve 120–129 Fast mode 130–139 Slow mode 140–149 Silent mode Enable 150–159 Silent mode Disable 160–169 Focus Compensate Disable 170–179 Focus Compensate Near 180–189 Focus Compensate Medium 190–199 Focus Compensate Far 200–219 NoFeature 7 220–229 Reset All 230–239 Reset Effect 240–249 Reset Pan/Tilt 250–255 NoFeature 11
7	Color Wheel	0	0–6 Open (wheel slot 1) 7–12 Red (wheel slot 2) 13–18 Aqua Marine (wheel slot 3) 19–25 Orange (wheel slot 4) 26–31 Green (wheel slot 5) 32–37 CTB 8000K (wheel slot 6) 38–44 CTO 5600K (wheel slot 7) 45–50 CTO 3200K (wheel slot 8) 51–56 Lime Green (wheel slot 9) 57–63 UV (wheel slot 10) 64–127 Index 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	

27Ch (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	0	0–9 CMY Color mix 10–14 LEE 790 - Moroccan Pink (wheel slot 1) 15–19 LEE 157 - Pink (wheel slot 2) 20–24 LEE 332 - Special Rose Pink (wheel slot 3) 25–29 LEE 328 - Follies Pink (wheel slot 4) 30–34 LEE 345 - Fuchsia Pink (wheel slot 5) 35–39 LEE 194 - Surprise Pink (wheel slot 6) 40–44 LEE 181 - Congo Blue (wheel slot 7) 45–49 LEE 071 - Tokyo Blue (wheel slot 8) 50–54 LEE 120 - Deep Blue (wheel slot 9) 55–59 LEE 079 - Just Blue (wheel slot 10) 60–64 LEE 132 - Medium Blue (wheel slot 11) 65–69 LEE 200 - Double CT Blue (wheel slot 12) 70–74 LEE 161 - Slate Blue (wheel slot 13) 75–79 LEE 201 - Full CT Blue (wheel slot 14) 80–84 LEE 202 - Half CT Blue (wheel slot 15) 85–89 LEE 117 - Steel Blue (wheel slot 16) 90–94 LEE 353 - Lighter Blue (wheel slot 17) 95–99 LEE 118 - Light Blue (wheel slot 18) 100–104 LEE 116 - Medium Blue Green (wheel slot 19) 105–109 LEE 124 - Dark Green (wheel slot 20) 110–114 LEE 139 - Primary Green (wheel slot 21) 115–119 LEE 089 - Moss Green (wheel slot 22) 120–124 LEE 122 - Fern Green (wheel slot 23) 125–129 LEE 738 - JAS Green (wheel slot 24) 130–134 LEE 088 - Lime Green (wheel slot 25) 135–139 LEE 100 - Spring Yellow (wheel slot 26) 140–144 LEE 107 - Deep Amber (wheel slot 27) 145–149 LEE 179 - Chrome Orange (wheel slot 28) 150–154 LEE 105 - Orange (wheel slot 29) 155–159 LEE 021 - Gold Amber (wheel slot 30) 160–164 LEE 778 - Millennium Gold (wheel slot 31) 165–169 LEE 135 - Deep Gold Amber (wheel slot 32) 170–174 LEE 164 - Flame Red (wheel slot 33) 175–179 Open 180–180 Rotate CW Max 181–200 Rotate CW fast to slow 201–201 Rotate CW Min 202–207 Stop 208–208 Rotate CCW Min 209–228 Rotate CCW slow to fast 229–229 Rotate CCW Max 230–234 CMY Colormix 235–248 Max 249–249 Min 250–255 CMY Colormix

27Ch (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 (wheel slot 2) 73–81 Gobo 2 (wheel slot 3) 82–90 Gobo 3 (wheel slot 4) 91–99 Gobo 4 (wheel slot 5) 100–108 Gobo 5 (wheel slot 6) 109–117 Gobo 6 (wheel slot 7) 118–127 Gobo 7 (wheel slot 8) 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
13	Gobo Rotation	0	0–127 Index 128–128 Rotate CW Max 129–189 Rotate CW fast to slow 190–190 Rotate CW Min 191–192 Stop 193–193 Rotate CCW Min 194–254 Rotate CCW slow to fast 255–255 Rotate CCW Max
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
15	Gobo 2	0	0–6 Open (wheel slot 1) 7–12 Gobo 1 (wheel slot 2) 13–18 Gobo 2 (wheel slot 3) 19–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–44 Gobo 6 (wheel slot 7) 45–50 Gobo 7 (wheel slot 8) 51–56 Gobo 8 (wheel slot 9) 57–63 Gobo 9 (wheel slot 10) 64–70 Gobo 1 (wheel slot 2) 71–77 Gobo 2 (wheel slot 3) 78–84 Gobo 3 (wheel slot 4) 85–91 Gobo 4 (wheel slot 5) 92–98 Gobo 5 (wheel slot 6) 99–105 Gobo 6 (wheel slot 7) 106–112 Gobo 7 (wheel slot 8) 113–119 Gobo 8 (wheel slot 9) 120–127 Gobo 9 (wheel slot 10) 128–128 Rotation CW Max 129–189 Rotation CW fast to slow 190–190 Rotation CW Min 191–192 Stop 193–193 Rotation CCW Min 194–254 Rotation CCW slow to fast 255–255 Rotation CCW Max

27Ch (continued)

Ch	Function	Default	DMX values
16	Prism	0	0–10 Open 11–127 Prism (wheel slot 1) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
17	Prism Rotation	0	0–127 Index (wheel slot 1) 128–128 Rotation CW Max 129–189 Rotation CW fast to slow 190–190 Rotation CW Min 191–192 Stop 193–193 Rotation CCW Min 194–254 Rotation CCW slow to fast 255–255 Rotation CCW Max
18	Zoom	128	
19	Zoom Fine	0	Fine byte of Zoom
20	Focus	0	
21	Focus Fine	0	Fine byte of Focus
22	Frost1	0	0–98 Open 99–123 Max 124–124 Min 125–129 Open 130–153 Max 154–154 Min 155–159 Open 1 160–183 Max 184–184 Min 185–189 Open 2 190–213 Max 214–214 Min 215–219 Open 3 220–244 Depth of field enable 245–255 Depth of field disable
23	Iris	0	0–254 Open 255–255 Close
24	Iris Fine	0	Fine byte of Iris

27Ch (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	22	0–19 Closed 20–24 Open 25–63 Strobe · Max 25–1.13 Hz 64–64 Strobe · Min 0.5 Hz 65–69 Open 70–83 PulseOpen · Max 25–2.25 Hz 84–84 PulseOpen · Min 0.5 Hz 85–89 Open 1 90–103 PulseClose · Max 104–104 PulseClose · Min 105–109 Open 2 110–123 StrobeRandom · Max 124–124 StrobeRandom · Min 125–129 Open 3 130–143 RandomPulseOpen · Max 144–144 RandomPulseOpen · Min 145–149 Open 4 150–163 RandomPulseClose · Max 164–164 RandomPulseClose · Min 165–169 Open 5 170–183 Burst Pulse Max 184–184 Burst Pulse Min 185–189 Open 6 190–203 Random Burst Pulse Max 204–204 Random Burste Pulse Min 205–209 Open 7 210–223 Sine Wave strobe · Sine wave Max 224–224 Sine Wave strobe · Sine wave Min 225–229 Open 8 230–243 Burst strobe · Burst Max 244–244 Burst strobe · Burst Min 245–255 Open 9
26	Dimmer	0	0–254 Closed 255–255 Open
27	Dimmer Fine	0	Fine byte of Dimmer