Briteq

BTI-BLIZZARD BSW1



Manufacturer	**Briteq**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**21, 25, 28 channels**
Beam angle	**4.5-30.7°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**219 × 480 × 300 mm**
GDTF fixture type	**3DD11C7D-DB06-8028-8E9F-14…**

Controls

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

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic	21 ch
Standard	25 ch
Extend	28 ch

Basic

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 Tracking 255–255 Min speed
4	Cyan	0	
5	Magenta	0	
6	Yellow	0	
7	Color Mix MSpeed	0	
8	Color Wheel	0	0–10 Disabled (wheel slot 1) 11–20 L106 (wheel slot 2) 21–30 L194 (wheel slot 3) 31–40 L019 (wheel slot 4) 41–50 R08 (wheel slot 5) 51–60 L213 (wheel slot 6) 61–70 R80 (wheel slot 7) 71–80 L202 (wheel slot 8) 81–90 L328 (wheel slot 9) 91–100 R3314 (wheel slot 10) 101–110 L101 (wheel slot 11) 111–120 L768 (wheel slot 12) 121–128 No function 129–255 Color scroll
9	Color Wheel 2	0	0–10 Open (wheel slot 1) 11–13 Deep Red (wheel slot 2) 14–16 Deep Blue (wheel slot 3) 17–19 Yellow (wheel slot 4) 20–22 Magenta (wheel slot 5) 23–25 Green (wheel slot 6) 26–28 Orange (wheel slot 7) 29–31 CTO (wheel slot 8) 32–34 Blue (wheel slot 9) 35–183 Index 184–184 Spin CW max 185–217 Spin CW <> 218–218 Spin CW min 219–220 Stop 221–221 Spin CCW min 222–254 Spin CCW <> 255–255 Spin CCW max

Basic (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Shake Gobo 1 (wheel slot 2) 75–82 Shake Gobo 2 (wheel slot 3) 83–90 Shake Gobo 3 (wheel slot 4) 91–98 Shake Gobo 4 (wheel slot 5) 99–106 Shake Gobo 5 (wheel slot 6) 107–114 Shake Gobo 6 (wheel slot 7) 115–122 Shake Gobo 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max
11	Gobo Rotation	0	0–120 Index 121–125 NoFeature 1 126–165 Rotation shake 166–170 NoFeature 2 171–171 Rotation CW max 172–209 Rota CW <> 210–210 Rotation CW min 211–215 Stop 216–216 Rotation CCW min 217–254 Rot CCW <> 255–255 Rotation CCW max

Basic (continued)

Ch	Function	Default	DMX values
12	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Gobo 1 (wheel slot 2) 15–18 Gobo 2 (wheel slot 3) 19–22 Gobo 3 (wheel slot 4) 23–26 Gobo 4 (wheel slot 5) 27–30 Gobo 5 (wheel slot 6) 31–34 Gobo 6 (wheel slot 7) 35–38 Gobo 7 (wheel slot 8) 39–42 Gobo 8 (wheel slot 9) 43–46 Gobo 9 (wheel slot 10) 47–50 Gobo 10 (wheel slot 11) 51–54 Gobo 11 (wheel slot 12) 55–58 Gobo 12 (wheel slot 13) 59–63 Gobo 1 (wheel slot 2) 64–68 Gobo 2 (wheel slot 3) 69–73 Gobo 3 (wheel slot 4) 74–78 Gobo 4 (wheel slot 5) 79–83 Gobo 5 (wheel slot 6) 84–88 Gobo 6 (wheel slot 7) 89–93 Gobo 7 (wheel slot 8) 94–98 Gobo 8 (wheel slot 9) 99–103 Gobo 9 (wheel slot 10) 104–108 Gobo 10 (wheel slot 11) 109–113 Gobo 11 (wheel slot 12) 114–118 Gobo 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max
13	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max
14	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max
15	Frost1	0	0–63 Open 64–127 Frost 128–255 Multi-color
16	Zoom	128	0–254 Wide 255–255 Narrow
17	Focus	128	

Basic (continued)

Ch	Function	Default	DMX values
18	Focus1Distance	0	0–12 Disabled 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
19	Dimmer	0	0–254 Closed 255–255 Open
20	Shutter / Strobe	0	0–4 Open 5–9 Closed 10–99 Strobe 100–109 NoFeature 1 110–179 Lightning strobe 180–189 NoFeature 2 190–255 Random strobe
21	Control1	0	0–10 No function 11–20 BO on Pan/Tilt enabled 21–30 BO on Pan/Tilt disabled 31–40 Pan invert 41–50 Tilt invert 51–60 Pan/Tilt invert disable 61–70 Fan mode: Studio 71–80 Fan mode: Power 81–100 Fan mode: Live 101–110 Dim 4 (slowest) 111–120 Dim 3 121–130 Dim 2 131–140 Dim 1 141–150 Dim 0 (fastest) 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 Reset P/T 221–230 Reset Color 231–240 Reset Zoom 241–250 Reset Gobo 251–255 NoFeature

Standard

25 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Tracking 255–255 Min speed
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	

Standard (continued)

Ch	Function	Default	DMX values
9	Color Mix MSpeed	0	
10	Color Wheel	0	0–10 Disabled (wheel slot 1) 11–20 L106 (wheel slot 2) 21–30 L194 (wheel slot 3) 31–40 L019 (wheel slot 4) 41–50 R08 (wheel slot 5) 51–60 L213 (wheel slot 6) 61–70 R80 (wheel slot 7) 71–80 L202 (wheel slot 8) 81–90 L328 (wheel slot 9) 91–100 R3314 (wheel slot 10) 101–110 L101 (wheel slot 11) 111–120 L768 (wheel slot 12) 121–128 No function 129–255 Color scroll
11	Color Wheel 2	0	0–10 Open (wheel slot 1) 11–13 Deep Red (wheel slot 2) 14–16 Deep Blue (wheel slot 3) 17–19 Yellow (wheel slot 4) 20–22 Magenta (wheel slot 5) 23–25 Green (wheel slot 6) 26–28 Orange (wheel slot 7) 29–31 CTO (wheel slot 8) 32–34 Blue (wheel slot 9) 35–183 Index 184–184 Spin CW max 185–217 Spin CW <> 218–218 Spin CW min 219–220 Stop 221–221 Spin CCW min 222–254 Spin CCW <> 255–255 Spin CCW max
12	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Shake Gobo 1 (wheel slot 2) 75–82 Shake Gobo 2 (wheel slot 3) 83–90 Shake Gobo 3 (wheel slot 4) 91–98 Shake Gobo 4 (wheel slot 5) 99–106 Shake Gobo 5 (wheel slot 6) 107–114 Shake Gobo 6 (wheel slot 7) 115–122 Shake Gobo 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max

Standard (continued)

Ch	Function	Default	DMX values
13	Gobo Rotation	0	0–120 Index 121–125 NoFeature 1 126–165 Rotation shake 166–170 NoFeature 2 171–171 Rotation CW max 172–209 Rota CW <> 210–210 Rotation CW min 211–215 Stop 216–216 Rotation CCW min 217–254 Rot CCW <> 255–255 Rotation CCW max
14	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
15	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Gobo 1 (wheel slot 2) 15–18 Gobo 2 (wheel slot 3) 19–22 Gobo 3 (wheel slot 4) 23–26 Gobo 4 (wheel slot 5) 27–30 Gobo 5 (wheel slot 6) 31–34 Gobo 6 (wheel slot 7) 35–38 Gobo 7 (wheel slot 8) 39–42 Gobo 8 (wheel slot 9) 43–46 Gobo 9 (wheel slot 10) 47–50 Gobo 10 (wheel slot 11) 51–54 Gobo 11 (wheel slot 12) 55–58 Gobo 12 (wheel slot 13) 59–63 Gobo 1 (wheel slot 2) 64–68 Gobo 2 (wheel slot 3) 69–73 Gobo 3 (wheel slot 4) 74–78 Gobo 4 (wheel slot 5) 79–83 Gobo 5 (wheel slot 6) 84–88 Gobo 6 (wheel slot 7) 89–93 Gobo 7 (wheel slot 8) 94–98 Gobo 8 (wheel slot 9) 99–103 Gobo 9 (wheel slot 10) 104–108 Gobo 10 (wheel slot 11) 109–113 Gobo 11 (wheel slot 12) 114–118 Gobo 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max
16	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max

Standard (continued)

Ch	Function	Default	DMX values
17	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max
18	Frost1	0	0–63 Open 64–127 Frost 128–255 Multi-color
19	Zoom	128	0–254 Wide 255–255 Narrow
20	Focus	128	
21	Focus1Distance	0	0–12 Disabled 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
22	Dimmer	0	0–254 Closed 255–255 Open
23	Dimmer Fine	0	Fine byte of Dimmer
24	Shutter / Strobe	0	0–4 open 5–9 Closed 10–99 Strobe 100–109 NoFeature 1 110–179 Lightning strobe 180–189 NoFeature 2 190–255 Random strobe

Standard (continued)

Ch	Function	Default	DMX values
25	Control1	0	0–10 No function 11–20 BO on Pan/Tilt enabled 21–30 BO on Pan/Tilt disabled 31–40 Pan invert 41–50 Tilt invert 51–60 Pan/Tilt invert disable 61–70 Fan mode: Studio 71–80 Fan mode: Power 81–100 Fan mode: Live 101–110 Dim 4 (slowest) 111–120 Dim 3 121–130 Dim 2 131–140 Dim 1 141–150 Dim 0 (fastest) 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 Reset P/T 221–230 Reset Color 231–240 Reset Zoom 241–250 Reset Gobo 251–255 NoFeature

Extend

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	0–254 Tracking 255–255 Min speed
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	Color Mix MSpeed	0	
10	Color Wheel	0	0–10 Disabled (wheel slot 1) 11–20 L106 (wheel slot 2) 21–30 L194 (wheel slot 3) 31–40 L019 (wheel slot 4) 41–50 R08 (wheel slot 5) 51–60 L213 (wheel slot 6) 61–70 R80 (wheel slot 7) 71–80 L202 (wheel slot 8) 81–90 L328 (wheel slot 9) 91–100 R3314 (wheel slot 10) 101–110 L101 (wheel slot 11) 111–120 L768 (wheel slot 12) 121–128 No function 129–255 Color scroll

Extend (continued)

Ch	Function	Default	DMX values
11	Color Wheel 2	0	0–10 Open (wheel slot 1) 11–13 Deep Red (wheel slot 2) 14–16 Deep Blue (wheel slot 3) 17–19 Yellow (wheel slot 4) 20–22 Magenta (wheel slot 5) 23–25 Green (wheel slot 6) 26–28 Orange (wheel slot 7) 29–31 CTO (wheel slot 8) 32–34 Blue (wheel slot 9) 35–183 Index 184–184 Spin CW max 185–217 Spin CW <> 218–218 Spin CW min 219–220 Stop 221–221 Spin CCW min 222–254 Spin CCW <> 255–255 Spin CCW max
12	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
13	Gobo	0	0–10 Open (wheel slot 1) 11–18 Gobo 1 (wheel slot 2) 19–26 Gobo 2 (wheel slot 3) 27–34 Gobo 3 (wheel slot 4) 35–42 Gobo 4 (wheel slot 5) 43–50 Gobo 5 (wheel slot 6) 51–58 Gobo 6 (wheel slot 7) 59–66 Gobo 7 (wheel slot 8) 67–74 Shake Gobo 1 (wheel slot 2) 75–82 Shake Gobo 2 (wheel slot 3) 83–90 Shake Gobo 3 (wheel slot 4) 91–98 Shake Gobo 4 (wheel slot 5) 99–106 Shake Gobo 5 (wheel slot 6) 107–114 Shake Gobo 6 (wheel slot 7) 115–122 Shake Gobo 7 (wheel slot 8) 123–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max
14	Gobo Rotation	0	0–120 Index 121–125 NoFeature 1 126–165 Rotation shake 166–170 NoFeature 2 171–171 Rotation CW max 172–209 Rota CW <> 210–210 Rotation CW min 211–215 Stop 216–216 Rotation CCW min 217–254 Rot CCW <> 255–255 Rotation CCW max
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Extend (continued)

Ch	Function	Default	DMX values
16	Gobo 2	0	0–10 Open (wheel slot 1) 11–14 Gobo 1 (wheel slot 2) 15–18 Gobo 2 (wheel slot 3) 19–22 Gobo 3 (wheel slot 4) 23–26 Gobo 4 (wheel slot 5) 27–30 Gobo 5 (wheel slot 6) 31–34 Gobo 6 (wheel slot 7) 35–38 Gobo 7 (wheel slot 8) 39–42 Gobo 8 (wheel slot 9) 43–46 Gobo 9 (wheel slot 10) 47–50 Gobo 10 (wheel slot 11) 51–54 Gobo 11 (wheel slot 12) 55–58 Gobo 12 (wheel slot 13) 59–63 Gobo 1 (wheel slot 2) 64–68 Gobo 2 (wheel slot 3) 69–73 Gobo 3 (wheel slot 4) 74–78 Gobo 4 (wheel slot 5) 79–83 Gobo 5 (wheel slot 6) 84–88 Gobo 6 (wheel slot 7) 89–93 Gobo 7 (wheel slot 8) 94–98 Gobo 8 (wheel slot 9) 99–103 Gobo 9 (wheel slot 10) 104–108 Gobo 10 (wheel slot 11) 109–113 Gobo 11 (wheel slot 12) 114–118 Gobo 12 (wheel slot 13) 119–127 Open (wheel slot 1) 128–128 Spin CW max 129–189 Spin CW <> 190–190 Spin CW min 191–192 Stop 193–193 Spin CCW min 194–254 Spin CCW <> 255–255 Spin CCW max
17	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max
18	Prism	0	0–10 Open 11–145 Index 146–150 NoFeature 1 151–151 Spin CW max 152–199 Spin CW <> 200–200 Spin CW min 201–205 Stop 206–206 Spin CCW min 207–254 Spin CCW <> 255–255 Spin CCW max
19	Frost1	0	0–63 Open 64–127 Frost 128–255 Multi-color
20	Zoom	128	0–254 Wide 255–255 Narrow
21	Zoom Fine	128	Fine byte of Zoom
22	Focus	128	

Extend (continued)

Ch	Function	Default	DMX values
23	Focus Fine	128	Fine byte of Focus
24	Focus1Distance	0	0–12 Disabled 13–39 3m 40–66 5m 67–93 7m 94–120 9m 121–147 11m 148–174 13m 175–201 15m 202–228 17m 229–255 19m
25	Dimmer	0	0–254 Closed 255–255 Open
26	Dimmer Fine	0	Fine byte of Dimmer
27	Shutter / Strobe	0	0–4 Open 5–9 Closed 10–99 Strobe 100–109 NoFeature 1 110–179 Lightning strobe 180–189 NoFeature 2 190–255 Random strobe
28	Control1	0	0–10 No function 11–20 BO on Pan/Tilt enabled 21–30 BO on Pan/Tilt disabled 31–40 Pan invert 41–50 Tilt invert 51–60 Pan/Tilt invert disable 61–70 Fan mode: Studio 71–80 Fan mode: Power 81–100 Fan mode: Live 101–110 Dim 4 (slowest) 111–120 Dim 3 121–130 Dim 2 131–140 Dim 1 141–150 Dim 0 (fastest) 151–160 1200Hz 161–170 2400Hz 171–180 4000Hz 181–190 6000Hz 191–200 25000Hz 201–210 Reset All 211–220 Reset P/T 221–230 Reset Color 231–240 Reset Zoom 241–250 Reset Gobo 251–255 NoFeature