Starway

Aperta



Manufacturer	**Starway**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**19, 22, 25 channels**
Beam angle	**3°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**185 × 260 × 185 mm**
GDTF fixture type	**1737A443-7065-4D76-BD56-47…**

Controls

Focus · Frost · Prism · Prism rotation · RGB colour mixing · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Strobe

DMX modes

Basic 19CH	19 ch
Standard 22CH	22 ch
Extended 25CH	25 ch

Basic 19CH

19 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Pan Rotate	0	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
4	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
5	Red	255	
6	Green	255	
7	Blue	255	
8	Gobo	0	0–3 Open (wheel slot 1) 4–7 FixedGobo1 (wheel slot 2) 8–11 FixedGobo2 (wheel slot 3) 12–15 FixedGobo3 (wheel slot 4) 16–19 FixedGobo4 (wheel slot 5) 20–23 FixedGobo5 (wheel slot 6) 24–27 FixedGobo6 (wheel slot 7) 28–31 FixedGobo7 (wheel slot 8) 32–35 FixedGobo8 (wheel slot 9) 36–39 FixedGobo9 (wheel slot 10) 40–43 FixedGobo10 (wheel slot 11) 44–47 FixedGobo11 (wheel slot 12) 48–51 FixedGobo12 (wheel slot 13) 52–55 FixedGobo13 (wheel slot 14) 56–59 FixedGobo14 (wheel slot 15) 60–63 FixedGobo15 (wheel slot 16) 64–73 FixedGobo 1 shake (wheel slot 2) 74–83 FixedGobo 2 shake (wheel slot 3) 84–93 FixedGobo 3 shake (wheel slot 4) 94–103 FixedGobo 4 shake (wheel slot 5) 104–113 FixedGobo 5 shake (wheel slot 6) 114–123 FixedGobo 6 shake (wheel slot 7) 124–133 FixedGobo 7 shake (wheel slot 8) 134–143 FixedGobo 8 shake (wheel slot 9) 144–153 FixedGobo 9 shake (wheel slot 10) 154–163 FixedGobo 10 shake (wheel slot 11) 164–173 FixedGobo 11 shake (wheel slot 12) 174–183 FixedGobo 12 shake (wheel slot 13) 184–193 FixedGobo 13 shake (wheel slot 14) 194–203 FixedGobo 14 shake (wheel slot 15) 204–211 FixedGobo 15 shake (wheel slot 16) 212–232 clockwise from slow to fast 233–234 No rotation 235–255 counter-clockwise from slow to fast
9	Prism	0	0–31 open (wheel slot 1) 32–255 8 facet prism (wheel slot 2)
10	Prism Rotation	0	0–127 indexing 128–189 Forwards prism1 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism1 rotation from slow to fast
11	Prism	0	0–31 Open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)

Basic 19CH (continued)

Ch	Function	Default	DMX values
12	Prism Rotation	0	0–127 indexing 128–189 Forwards prism2 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism2 rotation from slow to fast
13	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min strobe 95–95 max strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
14	Dimmer	0	0–254 closed 255–255 open
15	Focus	0	
16	Frost1	0	0–225 0 -100%(Linear) 226–235 Pulse opening effect from fast to slow 236–245 Pulse closing effect from slow to fast 246–255 Frost at 100%
17	Dimmer Mode	0	0–20 Dim 0 21–40 Dim 1 41–60 Dim 2 61–80 Dim 3 81–100 Dim 4 101–255 Default to Unit Setting
18	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–255 no function
19	Control1	0	0–0 Save RGB calibration data 1–19 No function 20–29 Fan Speed Set Auto 30–39 Fan Speed Set High 40–49 Fan Speed Set Low 50–59 Quick path P/T Off 60–69 Quick path P/T On 70–79 Pan Tilt Reset 80–89 All Motors Reset 90–98 No function 99–99 Restore the default calibration Before or After 2022-... 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–245 Before 2022-8-23(Hold 10s) 246–250 After 2022-8-23(Hold 10s) 251–255 Adjust calibration before or after(Hold 10s)

Standard 22CH

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan

Standard 22CH (continued)

Ch	Function	Default	DMX values
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Pan Rotate	0	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
6	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
7	Red	255	
8	Green	255	
9	Blue	255	
10	Gobo	0	0–3 Open (wheel slot 1) 4–7 FixedGobo1 (wheel slot 2) 8–11 FixedGobo2 (wheel slot 3) 12–15 FixedGobo3 (wheel slot 4) 16–19 FixedGobo4 (wheel slot 5) 20–23 FixedGobo5 (wheel slot 6) 24–27 FixedGobo6 (wheel slot 7) 28–31 FixedGobo7 (wheel slot 8) 32–35 FixedGobo8 (wheel slot 9) 36–39 FixedGobo9 (wheel slot 10) 40–43 FixedGobo10 (wheel slot 11) 44–47 FixedGobo11 (wheel slot 12) 48–51 FixedGobo12 (wheel slot 13) 52–55 FixedGobo13 (wheel slot 14) 56–59 FixedGobo14 (wheel slot 15) 60–63 FixedGobo15 (wheel slot 16) 64–73 FixedGobo 1 shake (wheel slot 2) 74–83 FixedGobo 2 shake (wheel slot 3) 84–93 FixedGobo 3 shake (wheel slot 4) 94–103 FixedGobo 4 shake (wheel slot 5) 104–113 FixedGobo 5 shake (wheel slot 6) 114–123 FixedGobo 6 shake (wheel slot 7) 124–133 FixedGobo 7 shake (wheel slot 8) 134–143 FixedGobo 8 shake (wheel slot 9) 144–153 FixedGobo 9 shake (wheel slot 10) 154–163 FixedGobo 10 shake (wheel slot 11) 164–173 FixedGobo 11 shake (wheel slot 12) 174–183 FixedGobo 12 shake (wheel slot 13) 184–193 FixedGobo 13 shake (wheel slot 14) 194–203 FixedGobo 14 shake (wheel slot 15) 204–211 FixedGobo 15 shake (wheel slot 16) 212–232 clockwise from slow to fast 233–234 No rotation 235–255 counter-clockwise from slow to fast
11	Prism	0	0–31 open (wheel slot 1) 32–255 8 facet prism (wheel slot 2)
12	Prism Rotation	0	0–127 indexing 128–189 Forwards prism1 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism1 rotation from slow to fast
13	Prism	0	0–31 Open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)
14	Prism Rotation	0	0–127 indexing 128–189 Forwards prism2 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism2 rotation from slow to fast

Standard 22CH (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min strobe 95–95 max strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
16	Dimmer	0	0–254 closed 255–255 open
17	Dimmer Fine	0	Fine byte of Dimmer
18	Focus	0	
19	Frost1	0	0–225 0 -100%(Linear) 226–235 Pulse opening effect from fast to slow 236–245 Pulse closing effect from slow to fast 246–255 Frost at 100%
20	Dimmer Mode	0	0–20 Dim 0 21–40 Dim 1 41–60 Dim 2 61–80 Dim 3 81–100 Dim 4 101–255 Default to Unit Setting
21	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–255 no function
22	Control1	0	0–0 Save RGB calibration data 1–19 No function 20–29 Fan Speed Set Auto 30–39 Fan Speed Set High 40–49 Fan Speed Set Low 50–59 Quick path P/T Off 60–69 Quick path P/T On 70–79 Pan Tilt Reset 80–89 All Motors Reset 90–98 No function 99–99 Restore the default calibration Before or After 2022-... 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–245 Before 2022-8-23(Hold 10s) 246–250 After 2022-8-23(Hold 10s) 251–255 Adjust calibration before or after(Hold 10s)

Extended 25CH

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

Extended 25CH (continued)

Ch	Function	Default	DMX values
5	Pan Rotate	0	0–127 no function 128–189 Pan clockwise from fast to slow 190–193 No rotation 194–255 Pan counter-clockwise from slow to fast
6	Tilt Rotate	0	0–127 no function 128–189 Titl clockwise from fast to slow 190–193 No rotation 194–255 Titl counter-clockwise from slow to fast
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Gobo	0	0–3 Open (wheel slot 1) 4–7 FixedGobo1 (wheel slot 2) 8–11 FixedGobo2 (wheel slot 3) 12–15 FixedGobo3 (wheel slot 4) 16–19 FixedGobo4 (wheel slot 5) 20–23 FixedGobo5 (wheel slot 6) 24–27 FixedGobo6 (wheel slot 7) 28–31 FixedGobo7 (wheel slot 8) 32–35 FixedGobo8 (wheel slot 9) 36–39 FixedGobo9 (wheel slot 10) 40–43 FixedGobo10 (wheel slot 11) 44–47 FixedGobo11 (wheel slot 12) 48–51 FixedGobo12 (wheel slot 13) 52–55 FixedGobo13 (wheel slot 14) 56–59 FixedGobo14 (wheel slot 15) 60–63 FixedGobo15 (wheel slot 16) 64–73 FixedGobo 1 shake (wheel slot 2) 74–83 FixedGobo 2 shake (wheel slot 3) 84–93 FixedGobo 3 shake (wheel slot 4) 94–103 FixedGobo 4 shake (wheel slot 5) 104–113 FixedGobo 5 shake (wheel slot 6) 114–123 FixedGobo 6 shake (wheel slot 7) 124–133 FixedGobo 7 shake (wheel slot 8) 134–143 FixedGobo 8 shake (wheel slot 9) 144–153 FixedGobo 9 shake (wheel slot 10) 154–163 FixedGobo 10 shake (wheel slot 11) 164–173 FixedGobo 11 shake (wheel slot 12) 174–183 FixedGobo 12 shake (wheel slot 13) 184–193 FixedGobo 13 shake (wheel slot 14) 194–203 FixedGobo 14 shake (wheel slot 15) 204–211 FixedGobo 15 shake (wheel slot 16) 212–232 clockwise from slow to fast 233–234 No rotation 235–255 counter-clockwise from slow to fast
14	Prism	0	0–31 open (wheel slot 1) 32–255 8 facet prism (wheel slot 2)
15	Prism Rotation	0	0–127 indexing 128–189 Forwards prism1 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism1 rotation from slow to fast
16	Prism	0	0–31 Open (wheel slot 1) 32–255 6 facet prism (wheel slot 2)

Extended 25CH (continued)

Ch	Function	Default	DMX values
17	Prism Rotation	0	0–127 indexing 128–189 Forwards prism2 rotation from fast to slow 190–193 No rotation 194–255 Backwards prism2 rotation from slow to fast
18	Shutter / Strobe	50	0–31 closed 32–63 open 64–94 min strobe 95–95 max strobe 96–127 shutter open(2) 128–158 min pulse 159–159 max pulse 160–191 shutter open(3) 192–222 min Random 223–223 max Random 224–255 shutter open(4)
19	Dimmer	0	0–254 closed 255–255 open
20	Dimmer Fine	0	Fine byte of Dimmer
21	Focus	0	
22	Frost1	0	0–225 0 -100%(Linear) 226–235 Pulse opening effect from fast to slow 236–245 Pulse closing effect from slow to fast 246–255 Frost at 100%
23	Dimmer Mode	0	0–20 Dim 0 21–40 Dim 1 41–60 Dim 2 61–80 Dim 3 81–100 Dim 4 101–255 Default to Unit Setting
24	Position MSpeed	0	0–225 max to min speed 226–235 blackout by movement 236–255 no function
25	Control1	0	0–0 Save RGB calibration data 1–19 No function 20–29 Fan Speed Set Auto 30–39 Fan Speed Set High 40–49 Fan Speed Set Low 50–59 Quick path P/T Off 60–69 Quick path P/T On 70–79 Pan Tilt Reset 80–89 All Motors Reset 90–98 No function 99–99 Restore the default calibration Before or After 2022-... 100–119 Internal program 1 120–139 Internal program 2 140–159 Internal program 3 160–179 Internal program 4 180–199 Internal program 5 200–219 Internal program 6 220–239 Internal program 7 240–245 Before 2022-8-23(Hold 10s) 246–250 After 2022-8-23(Hold 10s) 251–255 Adjust calibration before or after(Hold 10s)