



QUASAR



DMX

DMX CHART

8 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Tilt 16 bits	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	No strobe
		010-079	Strobe, from slow to fast
		080-149	Pulse, from slow to fast
		150-219	Random Strobe, from slow to fast
		220-255	Open
5	Red (Wash)	000-255	0-100%
6	Green (Wash)	000-255	0-100%
7	Blue (Wash)	000-255	0-100%
8	White Beam	000-255	0-100%

11 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Tilt 16 bits	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Wash, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
5	Wash, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
6	Beam, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
7	Beam, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
8	Red (Wash)	000-255	0-100%
9	Green (Wash)	000-255	0-100%
10	Blue (Wash)	000-255	0-100%
11	White (Beam)	000-255	0-100%

13 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Tilt 16 Bits	000-255	0-100%
3	Dimmer (Wash)	000-255	0-100%
4	Dimmer Beam	000-255	0-100%
5	Wash, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
6	Wash, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
7	Beam, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
8	Beam, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
9	Red (Wash)	000-255	0-100%
10	Green (Wash)	000-255	0-100%
11	Blue (Wash)	000-255	0-100%
12	Beam Effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
13	CONTROL	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan Auto
		060-065	Fan Full
		066-070	Reset
		071-075	Invert segments Wash 1 to 7 OFF
		076-080	Invert segments Wash 1 to 7 ON
		081-085	Invert segments Wash 8 to 14 OFF
		086-090	Invert segments Wash 8 to 14 ON
		091-095	Invert segments Beam 1 to 14 OFF
		096-100	Invert segments Beam 1 to 14 ON
		101-105	Invert segments Beam 15 to 28 OFF
		106-110	Invert segments Beam 15 to 28 ON
		111-115	Invert the 2 groups of Wash segments ON
		116-120	Invert the 2 groups of Wash segments OFF
		121-125	Invert the 2 groups of Beam segments ON
		126-130	Invert the 2 groups of Beam segments OFF
		131-135	Fast dimmer On
136-140	Fast Dimmer Off		
141-255	Idle		

24 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer Master	000-255	0-100%
4	Dimmer (Wash)	000-255	0-100%
5	Dimmer Beam	000-255	0-100%
6	Wash, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
7	Wash, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
8	Beam, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
9	Beam, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
10	Red (Wash)	000-255	0-100%
11	Green (Wash)	000-255	0-100%
12	Blue (Wash)	000-255	0-100%
13	Beam Effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
14	Wash (foreground)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW Rotation from fast to slow
		248-255	CCW Rotation from fast to slow
15	Dimmer Wash (foreground)	000-255	0-100%
16	Wash (background)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW Rotation from fast to slow
		248-255	CCW Rotation from fast to slow
17	Dimmer Wash (background)	000-255	0-100%
18	Wash Effect Selection	000-002	No Effects
		003-255	Effects
19	Wash Effects Speed & Direction	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
20	Wash Effect Crossfade	000-002	No fade
		003-255	Fade from fast to slow

21	Beams 1-2 Effect Selection	000-002	No Effects
		003-255	Effects
22	Beams 1-2 Direction & Speed	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
23	Beam Effects Fade	000-002	No fade
		003-255	Fade from fast to slow
24	Control	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Fan Auto
		060-065	Fan Full
		066-070	Reset
		071-075	Invert segments Wash 1 to 7 OFF
		076-080	Invert segments Wash 1 to 7 ON
		081-085	Invert segments Wash 8 to 14 OFF
		086-090	Invert segments Wash 8 to 14 ON
		091-095	Invert segments Beam 1 to 14 OFF
		096-100	Invert segments Beam 1 to 14 ON
		101-105	Invert segments Beam 15 to 28 OFF
		106-110	Invert segments Beam 15 to 28 ON
		111-115	Invert the 2 groups of Wash segments ON
		116-120	Invert the 2 groups of Wash segments OFF
		121-125	Invert the 2 groups of Beam segments ON
		126-130	Invert the 2 groups of Beam segments OFF
		131-135	Fast dimmer On
136-140	Fast Dimmer Off		
141-255	Idle		

28 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer Master	000-255	0-100%
4	Dimmer Master fine	000-255	0-100%
5	Dimmer Beam	000-255	0-100%
6	Dimmer Beam fine	000-255	0-100%
7	Beam, Strobe duration	000-009	Classic strobe
		010-250	Slow to fast duration
		251-255	No strobe
8	Beam, Strobe frequency	000-009	No strobe
		010-250	Slow to fast
		251-255	No strobe
9	Beam effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
10	Beams 1&2 effect selection	000-002	No effects
		003-255	Effects
11	Beams 1&2 direction and speed	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
12	Beam effect fade	000-002	No fade
		003-255	Fade from fast to slow
13	Red coarse	000-255	0-100%
14	Red fine	000-255	0-100%
15	Green	000-255	0-100%
16	Green fine	000-255	0-100%
17	Blue coarse	000-255	0-100%
18	Blue fine	000-255	0-100%
19	Wash, Strobe duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow to fast
		251-255	100% On, no flash/strobe
20	Wash, Strobe frequency	000-009	100%
		010-250	Slow to fast
		251-255	100%
21	Wash (foreground)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
248-255	CCW rotation, fast to slow		
22	Dimmer Wash (foreground)	000-255	0-100%

23	Wash (background)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
		248-255	CCW rotation, fast to slow
24	Dimmer Wash (background)	000-255	0-100%
25	Wash Effect Selection	000-002	No effects
		003-255	Effects
26	Wash Effect Speed & Direction	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
		250-255	Idle
27	Wash crossfade effect	000-002	No fade
		003-255	Fade from fast to slow
28	Control	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Auto Fan
		060-065	Full Fan
		066-070	Reset
		071-075	Wash segments 1 to 7 inversion OFF
		076-080	Wash segments 1 to 7 inversion ON
		081-085	Wash segments 8 to 14 inversion OFF
		086-090	Wash segments 8 to 14 inversion ON
		091-095	Beam segments 1 to 14 inversion OFF
		096-100	Beam segments 1 to 14 inversion ON
		101-105	Beam segments 15 to 28 inversion OFF
		106-110	Beam segments 15 to 28 inversion ON
		111-115	Two groups of Wash segments inversion ON
		116-120	Two groups of Wash segments inversion OFF
		121-125	Two groups of Beam segments inversion ON
		126-130	Two groups of Beam segments inversion OFF
		131-135	Fast dimmer On
136-140	Fast dimmer Off		
141-255	Idle		



30 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Plate dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Wash, Strobe duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow to fast
		251-255	100% On, no flash/strobe
7	Wash, Strobe frequency	000-009	100%
		010-250	Slow to fast
		251-255	100%
8	Beam flash duration	000-009	Classic shutter mode: disables duration control
		010-250	Slow to fast
		251-255	100% On, no flash/strobe
9	Beam flash rate	000-009	100%
		010-250	Slow to fast
		251-255	100%
10	Red	000-255	0-100%
11	Green	000-255	0-100%
12	Blue	000-255	0-100%
13	Beam effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
14	Wash (foreground)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
		248-255	CCW rotation, fast to slow
15	Dimmer Wash (foreground)	000-255	0-100%
16	Wash (background)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
		248-255	CCW rotation, fast to slow
17	Dimmer Wash (background)	000-255	0-100%
18	Wash Effect Selection - Pixels 1-7	000-002	No effects
		003-255	Effects
19	Wash Effect Speed & Direction - Pixels 1-7	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
		250-255	Idle
20	Wash crossfade effect - Pixels 1-7	000-002	No fade
		003-255	Fade from fast to slow

21	Wash Effect Selection - Pixels 8-14	000-002	No effects
		003-255	Effects
22	Wash Effect Speed & Direction - Pixels 8-14	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
		250-255	Idle
23	Wash crossfade effect - Pixels 1-7	000-002	No fade
		003-255	Fade from fast to slow
24	Beams 1 effect selection - Pixels 1-14	000-002	No effects
		003-255	Effects
25	Beams 1 direction and speed - Pixels 1-14	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
		250-255	Idle
26	Beam 1 fade effect - Pixels 15-28	000-002	No fade
		003-255	Fade from fast to slow
27	Beams 2 effect selection - Pixels 15-28	000-002	No effects
		003-255	Effects
28	Beams 2 direction and speed - Pixels 15-28	000-005	Idle
		006-124	Left to right, slow to fast
		125-130	Idle
		131-249	Right to left, slow to fast
		250-255	Idle
29	Beam 2 fade effect - Pixels 15-28	000-002	No fade
		003-255	Fade from fast to slow
30	Control	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Auto Fan
		060-065	Full Fan
		066-070	Reset
		071-075	Wash segments 1 to 7 inversion OFF
		076-080	Wash segments 1 to 7 inversion ON
		081-085	Wash segments 8 to 14 inversion OFF
		086-090	Wash segments 8 to 14 inversion ON
		091-095	Beam segments 1 to 14 inversion OFF
		096-100	Beam segments 1 to 14 inversion ON
		101-105	Beam segments 15 to 28 inversion OFF
		106-110	Beam segments 15 to 28 inversion ON
		111-115	Two groups of Wash segments inversion ON
		116-120	Two groups of Wash segments inversion OFF
		121-125	Two groups of Beam segments inversion ON
		126-130	Two groups of Beam segments inversion OFF
131-135	Fast dimmer On		
136-140	Fast dimmer Off		
141-255	Idle		

34 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	16-bit Master dimmer Coarse	000-255	0-100%
4	16-bit Master dimmer Fine	000-255	0-100%
5	16-bit Beam dimmer Coarse	000-255	0-100%
6	16-bit Beam dimmer Fine	000-255	0-100%
7	Beam, Strobe duration	000-009	Classic strobe - Duration disabled
		010-250	Duration from Slow to Fast
		251-255	No strobe
8	Beam, Strobe duration	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
9	Beam Effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes
10	Beams 1 Effect Selection - Pixels 1-14	000-002	No Effects
		003-255	Effects
11	Beams 1 Direction and Speed - Pixels 1-14	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
12	Beam 1 Fade Effects - Pixels 1-14	000-002	No fade
		003-255	Fade from fast to slow
13	Beams 2 Effect Selection - Pixels 15-28	000-002	No Effects
		003-255	Effects
14	Beams 2 Direction and Speed - Pixels 15-28	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
15	Beam 2 Fade Effects - Pixels 15-28	000-002	No fade
		003-255	Fade from fast to slow
16	Red coarse	000-255	0-100%
17	Fine Red	000-255	0-100%
18	Green coarse	000-255	0-100%
19	Fine Green	000-255	0-100%
20	Blue coarse	000-255	0-100%
21	Fine Blue	000-255	0-100%
22	Wash, Strobe duration	000-009	Classic strobe - Duration disabled
		010-250	Duration from Slow to Fast
		251-255	No strobe
23	Wash, Strobe frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
24	Wash (foreground)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
		248-255	CCW rotation, fast to slow
25	Dimmer Wash (foreground)	000-255	0-100%

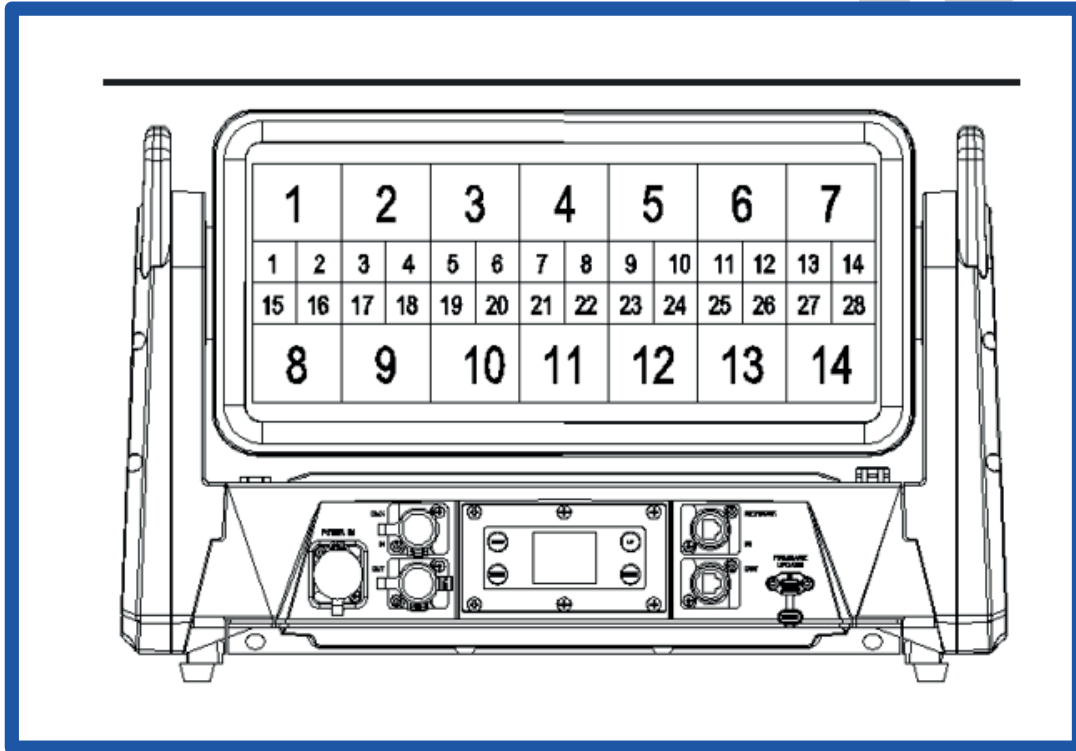
26	Wash (background)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	CW rotation, fast to slow
		248-255	CCW rotation, fast to slow
27	Plates background dimmer	000-255	0-100%
28	Wash Effect Selection - Plate 1 - Pixels 1-7	000-002	No Effects
		003-255	Effects
29	Wash Effect Speed & Direction - Plate 1 - Pixels 1-7	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
30	Wash crossfade effect - Plate 1 - Pixels 1-7	000-002	No fade
		003-255	Fade from fast to slow
31	Wash Effect Selection - Plate 2 - Pixels 8-14	000-002	No Effects
		003-255	Effects
32	Wash Effect Speed & Direction - Plate 2 - Pixels 8-14	000-005	Idle
		006-124	From left to right, slow to fast
		125-130	Idle
		131-249	From right to left, slow to fast
		250-255	Idle
33	Wash crossfade effect - Plate 2 - Pixels 8-14	000-002	No fade
		003-255	Fade from fast to slow
34	Control	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Auto Fan
		060-065	Full Fan
		066-070	Reset
		071-075	Wash segments 1 to 7 inversion OFF
		076-080	Wash segments 1 to 7 inversion ON
		081-085	Wash segments 8 to 14 inversion OFF
		086-090	Wash segments 8 to 14 inversion ON
		091-095	Beam segments 1 to 14 inversion OFF
		096-100	Beam segments 1 to 14 inversion ON
		101-105	Beam segments 15 to 28 inversion OFF
		106-110	Beam segments 15 to 28 inversion ON
		111-115	Two groups of Wash segments inversion ON
		116-120	Two groups of Wash segments inversion OFF
		121-125	Two groups of Beam segments inversion ON
		126-130	Two groups of Beam segments inversion OFF
		131-135	Fast dimmer On
		136-140	Fast dimmer Off
		141-255	Idle

47 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master Dimmer	000-255	0-100%
4	Dimmer (Wash)	000-255	0-100%
5	Dimmer Beam	000-255	0-100%
6	Wash, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
7	Wash, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
8	Beam, Strobe Duration	000-009	Classic strobe
		010-250	Duration from Slow to Fast
		251-255	No strobe
9	Beam, Strobe Frequency	000-009	No strobe
		010-250	From Slow to Fast
		251-255	No strobe
10	Wash Plates Inversion	000-005	Idle
		006-124	Scroll direction inversion Plate 1&2
		125-130	Scroll inversion 1, Plate 2 normal
		131-249	Scroll inversion 2, Plate 1 normal
		250-255	Idle
11	Beams Inversion	000-005	Idle
		006-124	Scroll direction inversion Beam 1&2
		125-130	Scroll inversion Beam 1, Beam 2 normal
		131-249	Scroll inversion Beam 2, Beam 1 normal
		250-255	Idle
12	Wash Pixel 1 - 8 Red	000-255	0-100%
13	Wash Pixel 1 - 8 Green	000-255	0-100%
14	Wash Pixel 1 - 8 Blue	000-255	0-100%
15	Wash Pixel 2 - 9 Red	000-255	0-100%
16	Wash Pixel 2 - 9 Green	000-255	0-100%
17	Wash Pixel 2 - 9 Blue	000-255	0-100%
18	Wash Pixel 3 - 10 Red	000-255	0-100%
19	Wash Pixel 3 - 10 Green	000-255	0-100%
20	Wash Pixel 3 - 10 Blue	000-255	0-100%
21	Wash Pixel 4 - 11 Red	000-255	0-100%
22	Wash Pixel 4 - 11 Green	000-255	0-100%
23	Wash Pixel 4 - 11 Blue	000-255	0-100%
24	Wash Pixel 5 - 12 Red	000-255	0-100%
25	Wash Pixel 5 - 12 Green	000-255	0-100%
26	Wash Pixel 5 - 12 Blue	000-255	0-100%
27	Wash Pixel 6 - 13 Red	000-255	0-100%
28	Wash Pixel 6 - 13 Green	000-255	0-100%
29	Wash Pixel 6 - 13 Blue	000-255	0-100%
30	Wash Pixel 7 - 14 Red	000-255	0-100%
31	Wash Pixel 7 - 14 Green	000-255	0-100%
32	Wash Pixel 7 - 14 Blue	000-255	0-100%

33	Beam Pixel 1 - 15	000-255	0-100%
34	Beam Pixel 2 - 16	000-255	0-100%
35	Beam Pixel 3 - 17	000-255	0-100%
36	Beam Pixel 4 - 18	000-255	0-100%
37	Beam Pixel 5 - 19	000-255	0-100%
38	Beam Pixel 6 - 20	000-255	0-100%
39	Beam Pixel 7 - 21	000-255	0-100%
40	Beam Pixel 8 - 22	000-255	0-100%
41	Beam Pixel 9 - 23	000-255	0-100%
42	Beam Pixel 10 - 24	000-255	0-100%
43	Beam Pixel 11 - 25	000-255	0-100%
44	Beam Pixel 12 - 26	000-255	0-100%
45	Beam Pixel 13 - 27	000-255	0-100%
46	Beam Pixel 14 - 28	000-255	0-100%
47	Control	000-005	Idle
		006-010	DIMO
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Auto Fan
		060-065	Full Fan
		066-070	Reset
		071-075	Inversion of Wash segments 1 to 7 OFF
		076-080	Inversion of Wash segments 1 to 7 ON
		081-085	Inversion of Wash segments 8 to 14 OFF
		086-090	Inversion of Wash segments 8 to 14 ON
		091-095	Inversion of Beam segments 1 to 14 OFF
		096-100	Inversion of Beam segments 1 to 14 ON
		101-105	Inversion of Beam segments 15 to 28 OFF
		106-110	Inversion of Beam segments 15 to 28 ON
		111-115	Inversion of 2 groups of Wash segments ON
		116-120	Inversion of 2 groups of Wash segments OFF
		121-125	Inversion of 2 groups of Beam segments ON
		126-130	Inversion of 2 groups of Beam segments OFF
		131-135	Fast dimmer On
136-140	Fast dimmer Off		
141-255	Idle		

PIXEL LAYOUT



74 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Dimmer	000-255	0-100%
4	Strobe	000-009	No strobe
		010-079	Strobe, from slow to fast
		080-149	Pulse, from slow to fast
		150-219	Random Strobe, from slow to fast
		220-255	Open
5	Wash pixel 1 Red	000-255	0-100%
6	Wash pixel 1 Green	000-255	0-100%
7	Wash pixel 1 Blue	000-255	0-100%
8	Wash pixel 2 Red	000-255	0-100%
9	Wash pixel 2 Green	000-255	0-100%
10	Wash pixel 2 Blue	000-255	0-100%
11	Wash pixel 3 Red	000-255	0-100%
12	Wash pixel 3 Green	000-255	0-100%
13	Wash pixel 3 Blue	000-255	0-100%
14	Wash pixel 4 Red	000-255	0-100%
15	Wash pixel 4 Green	000-255	0-100%
16	Wash pixel 4 Blue	000-255	0-100%
17	Wash pixel 5 Red	000-255	0-100%
18	Wash pixel 5 Green	000-255	0-100%
19	Wash pixel 5 Blue	000-255	0-100%
20	Wash pixel 6 Red	000-255	0-100%
21	Wash pixel 6 Green	000-255	0-100%
22	Wash pixel 6 Blue	000-255	0-100%
23	Wash pixel 7 Red	000-255	0-100%
24	Wash pixel 7 Green	000-255	0-100%
25	Wash pixel 7 Blue	000-255	0-100%
26	Wash pixel 8 Red	000-255	0-100%
27	Wash pixel 8 Green	000-255	0-100%
28	Wash pixel 8 Blue	000-255	0-100%
29	Wash pixel 9 Red	000-255	0-100%
30	Wash pixel 9 Green	000-255	0-100%
31	Wash pixel 9 Blue	000-255	0-100%
32	Wash pixel 10 Red	000-255	0-100%
33	Wash pixel 10 Green	000-255	0-100%
34	Wash pixel 10 Blue	000-255	0-100%
35	Wash pixel 11 Red	000-255	0-100%
36	Wash pixel 11 Green	000-255	0-100%
37	Wash pixel 11 Blue	000-255	0-100%
38	Wash pixel 12 Red	000-255	0-100%
39	Wash pixel 12 Green	000-255	0-100%
40	Wash pixel 12 Blue	000-255	0-100%
41	Wash pixel 13 Red	000-255	0-100%
42	Wash pixel 13 Green	000-255	0-100%
43	Wash pixel 13 Blue	000-255	0-100%
44	Wash pixel 14 Red	000-255	0-100%
45	Wash pixel 14 Green	000-255	0-100%
46	Wash pixel 14 Blue	000-255	0-100%

47	Beam pixel 1	000-255	0-100%
48	Beam pixel 2	000-255	0-100%
49	Beam pixel 3	000-255	0-100%
50	Beam pixel 4	000-255	0-100%
51	Beam pixel 5	000-255	0-100%
52	Beam pixel 6	000-255	0-100%
53	Beam pixel 7	000-255	0-100%
54	Beam pixel 8	000-255	0-100%
55	Beam pixel 9	000-255	0-100%
56	Beam pixel 10	000-255	0-100%
57	Beam pixel 11	000-255	0-100%
58	Beam pixel 12	000-255	0-100%
59	Beam pixel 13	000-255	0-100%
60	Beam pixel 14	000-255	0-100%
61	Beam pixel 15	000-255	0-100%
62	Beam pixel 16	000-255	0-100%
63	Beam pixel 17	000-255	0-100%
64	Beam pixel 18	000-255	0-100%
65	Beam pixel 19	000-255	0-100%
66	Beam pixel 20	000-255	0-100%
67	Beam pixel 21	000-255	0-100%
68	Beam pixel 22	000-255	0-100%
69	Beam pixel 23	000-255	0-100%
70	Beam pixel 24	000-255	0-100%
71	Beam pixel 25	000-255	0-100%
72	Beam pixel 26	000-255	0-100%
73	Beam pixel 27	000-255	0-100%
74	Beam pixel 28	000-255	0-100%

97 Channel Mode

CHANNEL	FUNCTION	VALUE	
1	Tilt	000-255	0-100%
2	Fine tilt	000-255	0-100%
3	Master dimmer	000-255	0-100%
4	Wash dimmer	000-255	0-100%
5	Beam dimmer	000-255	0-100%
6	Wash, Strobe duration	000-009	Classic Strobe
		010-250	Slow to Fast Duration
		251-255	No Strobe
7	Wash, Strobe frequency	000-009	No Strobe
		010-250	Slow to Fast
		251-255	No Strobe
8	Beam, Strobe duration	000-009	Classic Strobe
		010-250	Slow to Fast Duration
		251-255	No Strobe
9	Beam, Strobe frequency	000-009	No Strobe
		010-250	Slow to Fast
		251-255	No Strobe
10	Wash pixel 1 Red	000-255	0-100%
11	Wash pixel 1 Green	000-255	0-100%
12	Wash pixel 1 Blue	000-255	0-100%
13	Wash pixel 2 Red	000-255	0-100%
14	Wash pixel 2 Green	000-255	0-100%
15	Wash pixel 2 Blue	000-255	0-100%
16	Wash pixel 3 Red	000-255	0-100%
17	Wash pixel 3 Green	000-255	0-100%
18	Wash pixel 3 Blue	000-255	0-100%
19	Wash pixel 4 Red	000-255	0-100%
20	Wash pixel 4 Green	000-255	0-100%
21	Wash pixel 4 Blue	000-255	0-100%
22	Wash pixel 5 Red	000-255	0-100%
23	Wash pixel 5 Green	000-255	0-100%
24	Wash pixel 5 Blue	000-255	0-100%
25	Wash pixel 6 Red	000-255	0-100%
26	Wash pixel 6 Green	000-255	0-100%
27	Wash pixel 6 Blue	000-255	0-100%
28	Wash pixel 7 Red	000-255	0-100%
29	Wash pixel 7 Green	000-255	0-100%
30	Wash pixel 7 Blue	000-255	0-100%
31	Wash pixel 8 Red	000-255	0-100%
32	Wash pixel 8 Green	000-255	0-100%
33	Wash pixel 8 Blue	000-255	0-100%
34	Wash pixel 9 Red	000-255	0-100%
35	Wash pixel 9 Green	000-255	0-100%
36	Wash pixel 9 Blue	000-255	0-100%
37	Wash pixel 10 Red	000-255	0-100%
38	Wash pixel 10 Green	000-255	0-100%
39	Wash pixel 10 Blue	000-255	0-100%
40	Wash pixel 11 Red	000-255	0-100%
41	Wash pixel 11 Green	000-255	0-100%

42	Wash pixel 11 Blue	000-255	0-100%
43	Wash pixel 12 Red	000-255	0-100%
44	Wash pixel 12 Green	000-255	0-100%
45	Wash pixel 12 Blue	000-255	0-100%
46	Wash pixel 13 Red	000-255	0-100%
47	Wash pixel 13 Green	000-255	0-100%
48	Wash pixel 13 Blue	000-255	0-100%
49	Wash pixel 14 Red	000-255	0-100%
50	Wash pixel 14 Green	000-255	0-100%
51	Wash pixel 14 Blue	000-255	0-100%
52	Beam pixel 1	000-255	0-100%
53	Beam pixel 2	000-255	0-100%
54	Beam pixel 3	000-255	0-100%
55	Beam pixel 4	000-255	0-100%
56	Beam pixel 5	000-255	0-100%
57	Beam pixel 6	000-255	0-100%
58	Beam pixel 7	000-255	0-100%
59	Beam pixel 8	000-255	0-100%
60	Beam pixel 9	000-255	0-100%
61	Beam pixel 10	000-255	0-100%
62	Beam pixel 11	000-255	0-100%
63	Beam pixel 12	000-255	0-100%
64	Beam pixel 13	000-255	0-100%
65	Beam pixel 14	000-255	0-100%
66	Beam pixel 15	000-255	0-100%
67	Beam pixel 16	000-255	0-100%
68	Beam pixel 17	000-255	0-100%
69	Beam pixel 18	000-255	0-100%
70	Beam pixel 19	000-255	0-100%
71	Beam pixel 20	000-255	0-100%
72	Beam pixel 21	000-255	0-100%
73	Beam pixel 22	000-255	0-100%
74	Beam pixel 23	000-255	0-100%
75	Beam pixel 24	000-255	0-100%
76	Beam pixel 25	000-255	0-100%
77	Beam pixel 26	000-255	0-100%
78	Beam pixel 27	000-255	0-100%
79	Beam pixel 28	000-255	0-100%
80	Beam Effect	000-005	No function
		006-042	Ramp up
		043-085	Ramp down
		086-128	Ramp up-down
		129-171	Random
		172-214	Lightning
		215-255	Spikes

81	Wash (foreground)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	Clockwise Rotation Fast to Slow
		248-255	Counterclockwise Rotation Fast to Slow
82	Wash Dimmer (foreground)	000-255	0-100%
83	Wash (background)	000-000	No function
		001-002	White - 2700K
		003-004	White - 3200K
		005-006	White - 4200K
		007-008	White - 5600K
		009-010	White - 8000K
		011-239	Virtual Color Wheel (see page 21)
		240-247	Clockwise Rotation Fast to Slow
		248-255	Counterclockwise Rotation Fast to Slow
84	Wash Dimmer (background)	000-255	0-100%
85	Wash Effects Selection - Plate 1 - Pixels 1-7	000-002	No Effects
		003-255	Effects
86	Wash Effects Speed & Direction - Plate 1 - Pixels 1-7	000-005	Idle
		006-124	Left to Right Slow to Fast
		125-130	Idle
		131-249	Right to Left Slow to Fast
		250-255	Idle
87	Wash Crossfade Effect - Plate 1 - Pixels 1-7	000-002	No fade
		003-255	Fade from Fast to Slow
88	Wash Effects Selection - Plate 2 - Pixels 8-14	000-002	No Effects
		003-255	Effects
89	Wash Effects Speed & Direction - Plate 2 - Pixels 8-14	000-005	Idle
		006-124	Left to Right Slow to Fast
		125-130	Idle
		131-249	Right to Left Slow to Fast
		250-255	Idle
90	Wash Crossfade Effect - Plate 2 - Pixels 8-14	000-002	No fade
		003-255	Fade from Fast to Slow



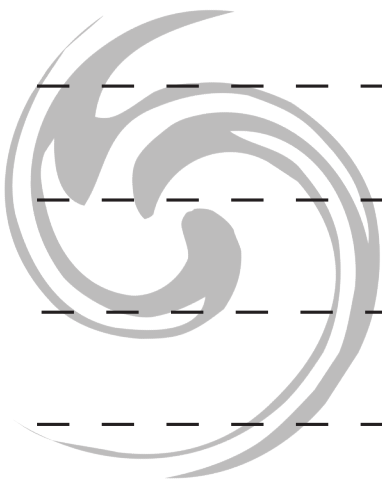
91	Beams 1 Effects Selection - Pixels 1-14	000-002	No Effects
		003-255	Effects
92	Beams 1 Direction and Speed - Pixels 1-14	000-005	Idle
		006-124	Left to Right Slow to Fast
		125-130	Idle
		131-249	Right to Left Slow to Fast
		250-255	Idle
93	Beam 1 Effects Fade - Pixels 1-14	000-002	No fade
		003-255	Fade from Fast to Slow
94	Beams 2 Effects Selection - Pixels 15-28	000-002	No Effects
		003-255	Effects
95	Beams 2 Direction and Speed - Pixels 15-28	000-005	Idle
		006-124	Left to Right Slow to Fast
		125-130	Idle
		131-249	Right to Left Slow to Fast
		250-255	Idle
96	Beam 2 Effects Fade - Pixels 15-28	000-002	No fade
		003-255	Fade from Fast to Slow
97	Control	000-005	Idle
		006-010	DIM0
		011-015	DIM1
		016-020	DIM2
		021-025	DIM3
		026-030	600 Hz
		031-035	1200 Hz
		036-040	2000 Hz
		041-045	4000 Hz
		046-050	6000 Hz
		051-055	25 KHz
		056-060	Auto Fan
		060-065	Full Fan
		066-070	Reset
		071-075	Invert Wash Segments 1 to 7 OFF
		076-080	Invert Wash Segments 1 to 7 ON
		081-085	Invert Wash Segments 8 to 14 OFF
		086-090	Invert Wash Segments 8 to 14 ON
		091-095	Invert Beam Segments 1 to 14 OFF
		096-100	Invert Beam Segments 1 to 14 ON
		101-105	Invert Beam Segments 15 to 28 OFF
		106-110	Invert Beam Segments 15 to 28 ON
		111-115	Invert both Wash segment groups ON
		116-120	Invert both Wash segment groups OFF
121-125	Invert both Beam segment groups ON		
126-130	Invert both Beam segment groups OFF		
131-135	Fast Dimmer On		
136-140	Fast Dimmer Off		
141-255	Idle		

VIRTUAL COLOR WHEEL

000-000	Idle
001-002	White 2700°K
003-004	White 3200°K
005-006	White 4200°K
007-008	White 5600°K
009-010	White 8000°K
011	Blue
012-048	
049	Cyan
050-086	
87	Green
088-124	
125	Yellow
126-162	
163	Red
164-200	
201	Magenta
202-238	
239	Blue

NOTES

A series of horizontal dashed lines for writing notes.



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