

CYCLOPS

LIGHTING

RoS – MIRAGE

DMX CHART

23 Channel Mode

CH	FUNCTION	VALUE	Description
1	Pan	0-255	0°→ 540°
2	Pan Fine	0-255	16 Bit Adjustable
3	Tilt	0-255	0°→ 270°
4	Tilt Fine	0-255	16 Bit Adjustable
5	PAN/TILT Speed	0-255	Fast to Slow
6	Cyan	0-255	0-100%
7	Magenta	0-255	0-100%
8	Yellow	0-255	0-100%
9	CTO	0-255	0-100%
10	CRI	0-127	CRI Filter In
		128-255	CRI Filter Out
11	Color Wheel	000 - 005	WHITE
		006 - 115	White light → Color 1.. Color 6 → White light Linear movement
		116 - 120	WHITE
		121 - 130	Color 1
		131 - 140	Color 2
		141 - 150	Color 3
		151 - 160	Color 4
		161 - 170	Color 5
		171 - 192	WHITE
		193 - 223	Color wheel reverses from fast to slow
		224 - 224	STOP
		225 - 255	The color wheel rotates from slow to fast
12	Color Wheel Fine	0-255	0-100%
13	Iris	000 - 225	Iris from large to small
		226 - 235	Iris slow open fast close from slow to fast
		236 - 245	Iris slow close fast open from slow to fast
		246 - 255	Iris slow close fast open from slow to fast
14	Iris Fine	0-255	0-100%
15	Frost 1	0-127	Frost 1 Off

		128-255	Frost 1 On
16	Zoom	0-255	From wide to narrow
17	Zoom Fine	0-255	0-100%
18	Focus	0-255	0-100%
19	Focus Fine	0-255	0-100%
20	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
21	Dimmer	0-255	0-100%
22	Dimmer Fine	0-255	0-100%
23	Macro	000 - 005	No function
		006 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Mobile light blocking ON
		041 - 045	Mobile light blocking OFF
		046 - 050	No function
		051 - 055	Fan set to auto mode
		056 - 060	Fan set to high speed mode
		061 - 065	Fan set to high Silent mode
		066 - 070	Fan set to ultra-quiet mode
		071 - 075	Curve Linear
		076 - 080	Curve Square
		081 - 085	Curve Inv Square
		086 - 090	Curve S
		091 - 095	400Hz
		096 - 100	1200Hz
		101 - 105	2000Hz
		106 - 110	4000Hz
		111 - 115	6000Hz
		116 - 120	8000Hz
		121 - 125	16KHz
		126 - 130	24KHz
		131 - 135	Display backlight on
		136 - 140	Display backlight for 15 s
		141 - 145	Display backlight for 30 s
		146 - 150	Display backlight for 60 s
		151 - 155	Dimmer Speed Smooth
		156 - 160	Dimmer Speed Fast
		161 - 165	Reset Pan/Tilt
		166 - 170	Reset Moving Head

		171 - 175	Reset All
		176 - 180	Signal Keep on
		181 - 185	Signal Keep off
		186 - 255	No function

32S Channel Spot Mode

CH	FUNCTION	VALUE	Description
1	Pan	0-255	0°→ 540°
2	Pan Fine	0-255	16 Bit Adjustable
3	Tilt	0-255	0°→ 270°
4	Tilt Fine	0-255	16 Bit Adjustable
5	PAN/TILT Speed	0-255	Fast to Slow
6	Cyan	0-255	0-100%
7	Magenta	0-255	0-100%
8	Yellow	0-255	0-100%
9	CTO	0-255	0-100%
10	CRI	0-127	CRI Filter In
		128-255	CRI Filter Out
11	Color Wheel	000 - 005	WHITE
		006 - 115	White light → Color 1.. Color 6 → White light Linear movement
		116 - 120	WHITE
		121 - 130	Color 1
		131 - 140	Color 2
		141 - 150	Color 3
		151 - 160	Color 4
		161 - 170	Color 5
		171 - 192	WHITE
		193 - 223	Color wheel reverses from fast to slow
		224 - 224	STOP
		225 - 255	The color wheel rotates from slow to fast
12	Color Wheel Fine	0-255	0-100%
13	Gobo wheel	0-7	White light
		8-20	Gobo 1
		21-33	Gobo 2
		34-46	Gobo 3
		47-59	Gobo 4
		60-72	Gobo 5
		73-85	Gobo 6
		86-98	Gobo 7
		99-111	Gobo 1 shakes from slow to fast
		112-124	Gobo 2 shakes from slow to fast
		125-137	Gobo 3 shakes from slow to fast
		138-150	Gobo 4 shakes from slow to fast
		151-163	Gobo 5 shakes from slow to fast
		164-176	Gobo 6 shakes from slow to fast

14	Gobo wheel Rotate	177-189	Gobo 7 shakes from slow to fast
		190-221	Counterclockwise flow from fast to slow
		222-223	Stop water flow
		224-255	Clockwise flow from slow to fast
		0-127	Slide, 0-360°
		128-189	Counterclockwise rotation, from fast to slow
		190-193	STOP
		194-255	Rotate clockwise, from slow to fast
15	Gobo wheel Rotate Fine	0-255	0-100%
16	Pattern	0-7	White light
		8-20	Pattern 1
		21-33	Pattern 2
		34-46	Pattern 3
		47-59	Pattern 4
		60-72	Pattern 5
		73-85	Pattern 6
		86-98	Pattern 7
		99-111	Pattern 1 shakes from slow to fast
		112-124	Pattern 2 shakes from slow to fast
		125-137	Pattern 3 shakes from slow to fast
		138-150	Pattern 4 shakes from slow to fast
		151-163	Pattern 5 shakes from slow to fast
		164-176	Pattern 6 shakes from slow to fast
		177-189	Pattern 7 shakes from slow to fast
		190-221	Counterclockwise flow from fast to slow
		222-223	Stop water flow
		224-255	Clockwise flow from slow to fast
17	Pattern Effect	0-7	Open
		7-63	Slide, 0-360°
		64-126	Counterclockwise rotation, from fast to slow
		127-128	Stop
		129-191	Rotate clockwise, from slow to fast
		192-255	Effect pattern rotates back and forth, from slow to fast
18	IRIS	000 - 225	Iris from large to small
		226 - 235	Iris slow open fast close from slow to fast
		236 - 245	Iris slow close fast open from slow to fast
		246 - 255	Iris slow close fast open from slow to fast
19	Iris Fine Adjustment	0-255	0-100%
20	Prism 1	0-7	Prism 1 cut out
		8-255	Prism 1 cut in
21	Prism 1 Rotate	0-127	Slide, 0-360°
		128-189	Counterclockwise rotation, from fast to slow
		190-193	STOP
		194-255	Rotate clockwise, from slow to fast
22	Prism 2	0-7	Prism 2 cut out

23	Prism 2 Rotate	8-255	Prism 2 cut in
		0-127	Slide, 0-360°
		128-189	Counterclockwise rotation, from fast to slow
		190-193	STOP
		194-255	Rotate clockwise, from slow to fast
24	Frost 1	0-127	Frost 1 cut out
		128-255	Frost 1 cut in
25	Zoom	0-255	Wide to Narrow
26	Zoom Fine	0-255	0-100%
27	Focus	0-255	0-100%
28	Focus Fine	0-255	0-100%
29	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
30	Dimmer	0-255	0-100%
31	Dimmer Fine	0-255	0-100%
32	Macro	000 - 005	No function
		006 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Mobile light blocking ON
		041 - 045	Mobile light blocking OFF
		046 - 050	No function
		051 - 055	Fan set to auto mode
		056 - 060	Fan set to high speed mode
		061 - 065	Fan set to high Silent mode
		066 - 070	Fan set to ultra-quiet mode
		071 - 075	Curve Linear
		076 - 080	Curve Square
		081 - 085	Curve Inv Square
		086 - 090	Curve S
		091 - 095	400Hz
		096 - 100	1200Hz
		101 - 105	2000Hz
		106 - 110	4000Hz
		111 - 115	6000Hz
		116 - 120	8000Hz
		121 - 125	16KHz
		126 - 130	24KHz
		131 - 135	Display backlight on
		136 - 140	Display backlight for 15 s
		141 - 145	Display backlight for 30 s

		146 – 150	Display backlight for 60 s
		151 – 155	Dimmer Speed Smooth
		156 – 160	Dimmer Speed Fast
		161 – 165	Reset Pan/Tilt
		166 – 170	Reset Moving Head
		171 – 175	Reset All
		176 – 180	Signal Keep on
		181 – 185	Signal Keep off
		186 – 255	No function

32F Channel F-Wash Mode

CH	FUNCTION	VALUE	Description
1	Pan	0-255	0°→ 540°
2	Pan Fine	0-255	16 Bit Adjustable
3	Tilt	0-255	0°→ 270°
4	Tilt Fine	0-255	16 Bit Adjustable
5	PAN/TILT Speed	0-255	Fast to Slow
6	Cyan	0-255	0-100%
7	Magenta	0-255	0-100%
8	Yellow	0-255	0-100%
9	CTO	0-255	0-100%
10	CRI	0-127	CRI Filter In
		128-255	CRI Filter Out
11	Color Wheel	000 – 005	WHITE
		006 – 115	White light → Color 1.. Color 6 → White light Linear movement
		116 – 120	WHITE
		121 – 130	Color 1
		131 – 140	Color 2
		141 – 150	Color 3
		151 – 160	Color 4
		161 – 170	Color 5
		171 – 192	WHITE
		193 – 223	Counter-Clockwise Rotation, Fast to Slow
		224 – 224	STOP
		225 – 255	Clockwise Rotation, Slow to Fast
12	Color Wheel Fine	0-255	0-100%
13	Iris	000 – 225	Iris from large to small
		226 – 235	Iris slow open fast close from slow to fast
		236 – 245	Iris slow close fast open from slow to fast
		246 – 255	Iris slow close fast open from slow to fast
14	Iris Fine	0-255	0-100%
15	Frost 1	0-127	Frost 1 Off
		128-255	Frost 1 On
16	Zoom	0-255	Wide to Narrow

17	Zoom Fine	0-255	0-100%
18	Focus	0-255	0-100%
19	Focus Fine	0-255	0-100%
20	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
21	Dimmer	0-255	0-100%
22	Dimmer Fine	0-255	0-100%
23	BLADE Rotate	0-255	0°-180°
24	BLADE UP 1	0-255	Blade Up A 0%-100%
25	BLADE UP 2	0-255	Blade Up B 0%-100%
26	BLADE LF 1	0-255	Blade Left A 0%-100%
27	BLADE LF 2	0-255	Blade Left B 0%-100%
28	BLADE DW 1	0-255	Blade Down A 0%-100%
29	BLADE DW 2	0-255	Blade Down B 0%-100%
30	BLADE RG 1	0-255	Blade Right A 0%-100%
31	BLADE RG 2	0-255	Blade Right B 0%-100%
32	Macro	000 - 005	No function
		006 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Mobile light blocking ON
		041 - 045	Mobile light blocking OFF
		046 - 050	No function
		051 - 055	Fan set to auto mode
		056 - 060	Fan set to high speed mode
		061 - 065	Fan set to high Silent mode
		066 - 070	Fan set to ultra-quiet mode
		071 - 075	Curve Linear
		076 - 080	Curve Square
		081 - 085	Curve Inv Square
		086 - 090	Curve S
		091 - 095	400Hz
		096 - 100	1200Hz
		101 - 105	2000Hz
		106 - 110	4000Hz
		111 - 115	6000Hz
		116 - 120	8000Hz
		121 - 125	16KHz
		126 - 130	24KHz
		131 - 135	Display backlight on
		136 - 140	Display backlight for 15 s

		141 - 145	Display backlight for 30 s
		146 - 150	Display backlight for 60 s
		151 - 155	Dimmer Speed Smooth
		156 - 160	Dimmer Speed Fast
		161 - 165	Reset Pan/Tilt
		166 - 170	Reset Moving Head
		171 - 175	Reset All
		176 - 180	Signal Keep on
		181 - 185	Signal Keep off
		186 - 255	No function

42 Channel Mode

CH	FUNCTION	VALUE	Description
1	Pan	0-255	0°→ 540°
2	Pan Fine	0-255	16 Bit Adjustable
3	Tilt	0-255	0°→ 270°
4	Tilt Fine	0-255	16 Bit Adjustable
5	PAN/TILT Speed	0-255	Fast to Slow
6	Cyan	0-255	0-100%
7	Magenta	0-255	0-100%
8	Yellow	0-255	0-100%
9	CTO	0-255	0-100%
10	CRI	0-127	CRI Filter In
		128-255	CRI Filter Out
11	Color Wheel	000 - 005	WHITE
		006 - 115	Color Wheel Indexing
		116 - 120	WHITE
		121 - 130	Color 1
		131 - 140	Color 2
		141 - 150	Color 3
		151 - 160	Color 4
		161 - 170	Color 5
		171 - 192	WHITE
		193 - 223	Counter-Clockwise Rotation, Fast to Slow
		224 - 224	STOP
		225 - 255	Clockwise Rotation, Slow to Fast
12	Color Wheel Fine	0-255	0-100%
13	Gobo	0-7	White light
		8-20	Gobo 1
		21-33	Gobo 2
		34-46	Gobo 3
		47-59	Gobo 4
		60-72	Gobo 5
		73-85	Gobo 6
		86-98	Gobo 7

		99-111	Gobo 1 shakes from slow to fast
		112-124	Gobo 2 shakes from slow to fast
		125-137	Gobo 3 shakes from slow to fast
		138-150	Gobo 4 shakes from slow to fast
		151-163	Gobo 5 shakes from slow to fast
		164-176	Gobo 6 shakes from slow to fast
		177-189	Gobo 7 shakes from slow to fast
		190-221	Counterclockwise flow from fast to slow
		222-223	Stop water flow
		224-255	Clockwise flow from slow to fast
14	Gobo Rotate	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fast
15	GOBO Rotate Fine	0-255	0-100%
16	Pattern	0-5	White color
		6-16	Gobo 1
		17-27	Gobo 2
		28-38	Gobo 3
		39-49	Gobo 4
		50-60	Gobo 5
		61-71	Gobo 6
		72-82	Gobo 7
		83-93	Gobo 8
		94-105	Gobo 1 Shaking, Slow to Fast
		106-117	Gobo 2 Shaking, Slow to Fast
		118-129	Gobo 3 Shaking, Slow to Fast
		130-141	Gobo 4 Shaking, Slow to Fast
		142-153	Gobo 5 Shaking, Slow to Fast
		154-165	Gobo 6 Shaking, Slow to Fast
		166-177	Gobo 7 Shaking, Slow to Fast
		178-189	Gobo 8 Shaking, Slow to Fast
		190-221	Counter-Clockwise Rotation, Fast to Slow
		222-223	Stop
		224-255	Clockwise Rotation, Slow to Fast
17	Pattern Effects	0-7	Effects Gobo Cut Out
		7-63	Index 0°- 360°
		64-126	Counter-Clockwise Rotation, Fast to Slow
		127-128	Stop
		129-191	Clockwise Rotation, Slow to Fast
		192-255	Effect pattern rotates back and forth, from slow to fast
18	Iris	000 - 225	Iris from large to small
		226 - 235	Iris slow open fast close from slow to fast
		236 - 245	Iris slow close fast open from slow to fast
		246 - 255	Iris slow close fast open from slow to fast

19	Iris Fine	0-255	0-100%
20	Prism 1	0-7	Prism 1 IN
		8-255	Prism 1 OUT
21	Prism 1 Rotate	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fast
22	Prism 2	0-7	Prism 2 In
		8-255	Prism 2 out
23	PRISM 2 Rotate	0-127	Index 0°- 360°
		128-189	Counter-Clockwise Rotation, Fast to Slow
		190-193	Stop
		194-255	Clockwise Rotation, Slow to Fast
24	Frost 1	0-127	Frost 1 Off
		128-255	Frost 1 On
25	Zoom	0-255	Wide to Narrow
26	Zoom Fine	0-255	0-100%
27	Focus	0-255	0-100%
28	Focus Fine	0-255	0-100%
29	Strobe	0-3	Open
		4-99	Synchronized Strobe
		100-149	Pulse Strobe
		150-199	Flash Strobe
		200-249	Random Strobe
		250-255	Open
30	Dimmer	0-255	0-100%
31	Dimmer Fine	0-255	0-100%
32	Blade Rotate	0-255	0°-180°
33	Blade Rotate fine	0-256	0-100%
34	BLADE UP 1	0-255	Blade Up A 0%-100%
35	BLADE UP 2	0-255	Blade Up B 0%-100%
36	BLADE LF 1	0-255	Blade Left A 0%-100%
37	BLADE LF 2	0-255	Blade Left B 0%-100%
38	BLADE DW 1	0-255	Blade Down A 0%-100%
39	BLADE DW 2	0-255	Blade Down B 0%-100%
40	BLADE RG 1	0-255	Blade Right A 0%-100%
41	BLADE RG 2	0-255	Blade Right B 0%-100%
42	Macro	000 - 005	No function
		006 - 020	Horizontal reverse open
		021 - 025	Horizontal reverse close
		026 - 030	Vertical reverse open
		031 - 035	Vertical reverse close
		036 - 040	Mobile light blocking ON
		041 - 045	Mobile light blocking OFF
		046 - 050	No function

		051 - 055	Fan set to auto mode
		056 - 060	Fan set to high speed mode
		061 - 065	Fan set to high Silent mode
		066 - 070	Fan set to ultra-quiet mode
		071 - 075	Curve Linear
		076 - 080	Curve Square
		081 - 085	Curve Inv Square
		086 - 090	Curve S
		091 - 095	400Hz
		096 - 100	1200Hz
		101 - 105	2000Hz
		106 - 110	4000Hz
		111 - 115	6000Hz
		116 - 120	8000Hz
		121 - 125	16KHz
		126 - 130	24KHz
		131 - 135	Display backlight on
		136 - 140	Display backlight for 15 s
		141 - 145	Display backlight for 30 s
		146 - 150	Display backlight for 60 s
		151 - 155	Dimmer Speed Smooth
		156 - 160	Dimmer Speed Fast
		161 - 165	Reset Pan/Tilt
		166 - 170	Reset Moving Head
		171 - 175	Reset All
		176 - 180	Signal Keep on
		181 - 185	Signal Keep off
		186 - 255	No function