

24 CHANNEL MODE (Basic Setting)

Channel	Value	Function
1	0 - 255	PAN MOVEMENT BY 540°
2	0 - 255	TILT MOVEMENT BY 270°
3	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 127 128 - 190 191 - 192 193 - 255	COLOR WHEEL OPEN RED LIGHT GREEN PINK ORANGE CTB CTO UV GREEN LIGHT BLUE COLOR INDEXING CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST
4	0 - 255	CYAN 0% - 100%
5	0 - 255	MAGENTA 0% - 100%
6	0 - 255	YELLOW 0% - 100%
7	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 72 73 - 81 82 - 90 91 - 99 100 - 108 109 - 117 118 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBOS (GOBO WHEEL 1) OPEN ROTATING GOBO 1 ROTATING GOBO 2 ROTATING GOBO 3 ROTATING GOBO 4 ROTATING GOBO 5 ROTATING GOBO 6 ROTATING GOBO 7 ROTATING GOBO 1 SHAKE ROTATING GOBO 2 SHAKE ROTATING GOBO 3 SHAKE ROTATING GOBO 4 SHAKE ROTATING GOBO 5 SHAKE ROTATING GOBO 6 SHAKE ROTATING GOBO 7 SHAKE CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST
8	0 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBO INDEXING & GOBO ROTATION GOBO INDEXING 0 - 360 CLOCKWISE ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE ROTATION SLOW - FAST

24 CHANNEL MODE (Basic Setting) (continued)

Channel	Value	Function
9	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 70 71 - 77 78 - 84 85 - 91 92 - 98 99 - 105 106 - 112 113 - 119 120 - 127 128 - 190 191 - 192 193 - 255	FIXED GOBOS (GOBO WHEEL 2) OPEN GOBO 1 GOBO 2 GOBO 3 GOBO 4 GOBO 5 GOBO 6 GOBO 7 GOBO 8 GOBO 9 GOBO 1 SHAKE SLOW – FAST GOBO 2 SHAKE SLOW – FAST GOBO 3 SHAKE SLOW – FAST GOBO 4 SHAKE SLOW – FAST GOBO 5 SHAKE SLOW – FAST GOBO 6 SHAKE SLOW – FAST GOBO 7 SHAKE SLOW – FAST GOBO 8 SHAKE SLOW – FAST GOBO 9 SHAKE SLOW – FAST CLOCKWISE WHEEL ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE WHEEL ROTATION SLOW - FAST
10	0 - 10 11 - 127 128 - 255	PRISM 1 (LINEAR) NO EFFECT ON MACRO 1 - 32
11	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 1 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
12	0 - 127 128 - 255	PRISM 2 (3 FACET) NO EFFECT ON
13	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 2 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
14	0 - 255	FOCUS CONTINUOUS ADJUSTMENT FROM NEAR - FAR
15	0 - 255	ZOOM ZOOM ADJUSTMENT FROM SMALL - BIG
16	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER & STROBE SHUTTER CLOSED SHUTTER OPEN STROBE EFFECT SLOW - FAST SHUTTER OPEN PULSE EFFECT SHUTTER OPEN RANDOM STROBE EFFECT SLOW - FAST SHUTTER OPEN
17	0 - 255	MASTER DIMMER 0% - 100%

24 CHANNEL MODE (Basic Setting) (continued)

Channel	Value	Function
18	0 - 191 192 - 223 224 - 255	IRIS MAXIMUM DIAMETER TO MINIMUM DIAMETER PULSE CLOSING FAST - SLOW PULSE OPENING SLOW - FAST
19	0 - 255	FROST 0% - 100%
20	0 - 255	CMY SPEED & COLOR MACRO SPEED FAST - SLOW
21		PAN/TILT MOVEMENT SPEED FAST – SLOW
22	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 71 72 - 79 80 - 87 88 - 95 96 - 103 104 - 111 112 - 119 120 - 127 128 - 135 136 - 143 144 - 151 152 - 159 160 - 167 168 - 175 176 - 183 184 - 191 192 - 199 200 - 207 208 - 215 216 - 223 224 - 231 232 - 239 240 - 247 248 - 255	COLOR MACRO OFF MACRO 1 MACRO 2 MACRO 3 MACRO 4 MACRO 5 MACRO 6 MACRO 7 MACRO 8 MACRO 9 MACRO 10 MACRO 11 MACRO 12 MACRO 13 MACRO 14 MACRO 15 MACRO 16 MACRO 17 MACRO 18 MACRO 19 MACRO 20 MACRO 21 MACRO 22 MACRO 23 MACRO 24 MACRO 25 MACRO 26 MACRO 27 MACRO 28 MACRO 29 MACRO 30 RANDOM CMY
23	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER MODES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT SETTING

24 CHANNEL MODE (Basic Setting) (continued)

Channel	Value	Function
24	0 - 69	SPECIAL FUNCTIONS NOTHING
	70 - 79	ENABLE BLACKOUT WITH PAN/TILT MOVEMENT
	80 - 89	DISABLE BLACKOUT WITH PAN/TILT MOVEMENT
	90 - 99	ENABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	100 - 109	DISABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	110 - 119	ENABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	120 - 129	DISABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	130 - 139	FOCUS COMPENSATE DISABLE
	140 - 149	FOCUS COMPENSATE NEAR
	150 - 159	FOCUS COMPENSATE MEDIUM
	160 - 169	FOCUS COMPENSATE FAR
	170 - 199	NOTHING
	200 - 209	RESET ALL
	210 - 219	RESET EFFECT
	220 - 229	RESET PAN/TILT MOTORS
	230 - 255	NOTHING

26 CHANNEL MODE (Standard Setting)

Channel	Value	Function
1	0 - 255	PAN MOVEMENT BY 540°
2		PAN MOVEMENT FINE (16BIT)
3	0 - 255	TILT MOVEMENT BY 270°
4	0 - 255	TILT MOVEMENT FINE (16BIT)
5	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 127 128 - 190 191 - 192 193 - 255	COLOR WHEEL OPEN RED LIGHT GREEN PINK ORANGE CTB CTO UV GREEN LIGHT BLUE COLOR INDEXING CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST
6	0 - 255	CYAN 0% - 100%
7	0 - 255	MAGENTA 0% - 100%
8	0 - 255	YELLOW 0% - 100%
9	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 72 73 - 81 82 - 90 91 - 99 100 - 108 109 - 117 118 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBOS (GOBO WHEEL 1) OPEN ROTATING GOBO 1 ROTATING GOBO 2 ROTATING GOBO 3 ROTATING GOBO 4 ROTATING GOBO 5 ROTATING GOBO 6 ROTATING GOBO 7 ROTATING GOBO 1 SHAKE ROTATING GOBO 2 SHAKE ROTATING GOBO 3 SHAKE ROTATING GOBO 4 SHAKE ROTATING GOBO 5 SHAKE ROTATING GOBO 6 SHAKE ROTATING GOBO 7 SHAKE CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST
10	0 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBO INDEXING & GOBO ROTATION GOBO INDEXING 0 - 360 CLOCKWISE ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE ROTATION SLOW - FAST

26 CHANNEL MODE (Standard Setting) (continued)

Channel	Value	Function
11	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 70 71 - 77 78 - 84 85 - 91 92 - 98 99 - 105 106 - 112 113 - 119 120 - 127 128 - 190 191 - 192 193 - 255	FIXED GOBOS (GOBO WHEEL 2) OPEN GOBO 1 GOBO 2 GOBO 3 GOBO 4 GOBO 5 GOBO 6 GOBO 7 GOBO 8 GOBO 9 GOBO 1 SHAKE SLOW – FAST GOBO 2 SHAKE SLOW – FAST GOBO 3 SHAKE SLOW – FAST GOBO 4 SHAKE SLOW – FAST GOBO 5 SHAKE SLOW – FAST GOBO 6 SHAKE SLOW – FAST GOBO 7 SHAKE SLOW – FAST GOBO 8 SHAKE SLOW – FAST GOBO 9 SHAKE SLOW – FAST CLOCKWISE WHEEL ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE WHEEL ROTATION SLOW - FAST
12	0 - 10 11 - 127 128 - 255	PRISM 1 (LINEAR) NO EFFECT ON MACRO 1 - 32
13	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 1 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
14	0 - 127 128 - 255	PRISM 2 (3 FACET) NO EFFECT ON
15	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 2 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
16	0 - 255	FOCUS CONTINUOUS ADJUSTMENT FROM NEAR - FAR
17	0 - 255	ZOOM ZOOM ADJUSTMENT FROM SMALL - BIG
18	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	SHUTTER & STROBE SHUTTER CLOSED SHUTTER OPEN STROBE EFFECT SLOW - FAST SHUTTER OPEN PULSE EFFECT SHUTTER OPEN RANDOM STROBE EFFECT SLOW - FAST SHUTTER OPEN
19	0 - 255	MASTER DIMMER 0% - 100%

26 CHANNEL MODE (Standard Setting) (continued)

Channel	Value	Function
20	0 - 191 192 - 223 224 - 255	IRIS MAXIMUM DIAMETER TO MINIMUM DIAMETER PULSE CLOSING FAST - SLOW PULSE OPENING SLOW - FAST
21	0 - 255	FROST 0% - 100%
22	0 - 255	CMY SPEED & COLOR MACRO SPEED FAST - SLOW
23		PAN/TILT MOVEMENT SPEED FAST – SLOW
24	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 71 72 - 79 80 - 87 88 - 95 96 - 103 104 - 111 112 - 119 120 - 127 128 - 135 136 - 143 144 - 151 152 - 159 160 - 167 168 - 175 176 - 183 184 - 191 192 - 199 200 - 207 208 - 215 216 - 223 224 - 231 232 - 239 240 - 247 248 - 255	COLOR MACRO OFF MACRO 1 MACRO 2 MACRO 3 MACRO 4 MACRO 5 MACRO 6 MACRO 7 MACRO 8 MACRO 9 MACRO 10 MACRO 11 MACRO 12 MACRO 13 MACRO 14 MACRO 15 MACRO 16 MACRO 17 MACRO 18 MACRO 19 MACRO 20 MACRO 21 MACRO 22 MACRO 23 MACRO 24 MACRO 25 MACRO 26 MACRO 27 MACRO 28 MACRO 29 MACRO 30 RANDOM CMY
25	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER MODES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT SETTING

26 CHANNEL MODE (Standard Setting) (continued)

Channel	Value	Function
26	0 - 69	SPECIAL FUNCTIONS NOTHING
	70 - 79	ENABLE BLACKOUT WITH PAN/TILT MOVEMENT
	80 - 89	DISABLE BLACKOUT WITH PAN/TILT MOVEMENT
	90 - 99	ENABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	100 - 109	DISABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	110 - 119	ENABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	120 - 129	DISABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	130 - 139	FOCUS COMPENSATE DISABLE
	140 - 149	FOCUS COMPENSATE NEAR
	150 - 159	FOCUS COMPENSATE MEDIUM
	160 - 169	FOCUS COMPENSATE FAR
	170 - 199	NOTHING
	200 - 209	RESET ALL
	210 - 219	RESET EFFECT
	220 - 229	RESET PAN/TILT MOTORS
	230 - 255	NOTHING

38 CHANNEL MODE (Extended Setting)

Channel	Value	Function
1	0 - 255	PAN MOVEMENT BY 540°
2		PAN MOVEMENT FINE (16BIT)
3	0 - 255	TILT MOVEMENT BY 270°
4	0 - 255	TILT MOVEMENT FINE (16BIT)
5	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 127 128 - 190 191 - 192 193 - 255	COLOR WHEEL OPEN RED LIGHT GREEN PINK ORANGE CTB CTO UV GREEN LIGHT BLUE COLOR INDEXING CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST
6	0 - 255	COLOR WHEEL FINE COLOR WHEEL CHANGE TO ANY POSITION
7	0 - 255	CYAN 0% - 100%
8	0 - 255	CYAN FINE 0% - 100%
9	0 - 255	MAGENTA 0% - 100%
10	0 - 255	MAGENTA FINE 0% - 100%
11	0 - 255	YELLOW 0% - 100%
12	0 - 255	YELLOW FINE 0% - 100%
13	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 72 73 - 81 82 - 90 91 - 99 100 - 108 109 - 117 118 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBOS (GOBO WHEEL 1) OPEN ROTATING GOBO 1 ROTATING GOBO 2 ROTATING GOBO 3 ROTATING GOBO 4 ROTATING GOBO 5 ROTATING GOBO 6 ROTATING GOBO 7 ROTATING GOBO 1 SHAKE ROTATING GOBO 2 SHAKE ROTATING GOBO 3 SHAKE ROTATING GOBO 4 SHAKE ROTATING GOBO 5 SHAKE ROTATING GOBO 6 SHAKE ROTATING GOBO 7 SHAKE CLOCKWISE SCROLL FAST - SLOW STOP COUNTER-CLOCKWISE SCROLL SLOW - FAST

38 CHANNEL MODE (Extended Setting) (continued)

Channel	Value	Function
14	0 - 127 128 - 190 191 - 192 193 - 255	ROTATING GOBO INDEXING & GOBO ROTATION GOBO INDEXING 0 - 360 CLOCKWISE ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE ROTATION SLOW - FAST
15	0 - 255	ROTATING GOBO FINE INDEXING
16	0 - 6 7 - 12 13 - 18 19 - 25 26 - 31 32 - 37 38 - 44 45 - 50 51 - 56 57 - 63 64 - 70 71 - 77 78 - 84 85 - 91 92 - 98 99 - 105 106 - 112 113 - 119 120 - 127 128 - 190 191 - 192 193 - 255	FIXED GOBOS (GOBO WHEEL 2) OPEN GOBO 1 GOBO 2 GOBO 3 GOBO 4 GOBO 5 GOBO 6 GOBO 7 GOBO 8 GOBO 9 GOBO 1 SHAKE SLOW - FAST GOBO 2 SHAKE SLOW - FAST GOBO 3 SHAKE SLOW - FAST GOBO 4 SHAKE SLOW - FAST GOBO 5 SHAKE SLOW - FAST GOBO 6 SHAKE SLOW - FAST GOBO 7 SHAKE SLOW - FAST GOBO 8 SHAKE SLOW - FAST GOBO 9 SHAKE SLOW - FAST CLOCKWISE WHEEL ROTATION FAST - SLOW STOP COUNTER-CLOCKWISE WHEEL ROTATION SLOW - FAST
17	0 - 255	FIXED GOBE FINE INDEXING
18	0 - 10 11 - 127 128 - 255	PRISM 1 (LINEAR) NO EFFECT ON MACRO 1 - 32
19	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 1 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
20	0 - 255	PRISM 1 FINE INDEXING
21	0 - 127 128 - 255	PRISM 2 (3 FACET) NO EFFECT ON
22	0 - 127 128 - 190 191 - 192 193 - 255	PRISM 2 ROTATION PRISM INDEXING CLOCKWISE ROTATION FAST - SLOW NO ROTATION COUNTER-CLOCKWISE ROTATION SLOW - FAST
23	0 - 255	PRISM 2 FINE INDEXING
24	0 - 255	FOCUS CONTINUOUS ADJUSTMENT FROM NEAR - FAR

38 CHANNEL MODE (Extended Setting) (continued)

Channel	Value	Function
25	0 - 255	FINE FOCUS CONTINUOUS ADJUSTMENT FROM NEAR - FAR
26	0 - 255	ZOOM ZOOM ADJUSTMENT FROM SMALL - BIG
27	0 - 255	FINE ZOOM ZOOM ADJUSTMENT FROM SMALL - BIG
28	0 - 31	SHUTTER & STROBE
	32 - 63	SHUTTER CLOSED
	64 - 95	SHUTTER OPEN
	96 - 127	STROBE EFFECT SLOW - FAST
	128 - 159	SHUTTER OPEN
	160 - 191	PULSE EFFECT
	192 - 223	SHUTTER OPEN
	224 - 255	RANDOM STROBE EFFECT SLOW - FAST SHUTTER OPEN
29	0 - 255	MASTER DIMMER 0% - 100%
30	0 - 255	FINE MASTER DIMMER 0% - 100%
31	0 - 191	IRIS
	192 - 223	MAXIMUM DIAMETER TO MINIMUM DIAMETER
	224 - 255	PULSE CLOSING FAST - SLOW PULSE OPENING SLOW - FAST
32	0 - 255	FINE IRIS
33	0 - 255	FROST 0% - 100%
34	0 - 255	CMY SPEED & COLOR MACRO SPEED FAST - SLOW
35		PAN/TILT MOVEMENT SPEED FAST – SLOW

38 CHANNEL MODE (Extended Setting) (continued)

Channel	Value	Function
36	0 - 7 8 - 15 16 - 23 24 - 31 32 - 39 40 - 47 48 - 55 56 - 63 64 - 71 72 - 79 80 - 87 88 - 95 96 - 103 104 - 111 112 - 119 120 - 127 128 - 135 136 - 143 144 - 151 152 - 159 160 - 167 168 - 175 176 - 183 184 - 191 192 - 199 200 - 207 208 - 215 216 - 223 224 - 231 232 - 239 240 - 247 248 - 255	COLOR MACRO OFF MACRO 1 MACRO 2 MACRO 3 MACRO 4 MACRO 5 MACRO 6 MACRO 7 MACRO 8 MACRO 9 MACRO 10 MACRO 11 MACRO 12 MACRO 13 MACRO 14 MACRO 15 MACRO 16 MACRO 17 MACRO 18 MACRO 19 MACRO 20 MACRO 21 MACRO 22 MACRO 23 MACRO 24 MACRO 25 MACRO 26 MACRO 27 MACRO 28 MACRO 29 MACRO 30 RANDOM CMY
37	0 - 20 21 - 40 41 - 60 61 - 80 81 - 100 101 - 255	DIMMER MODES STANDARD STAGE TV ARCHITECTURAL THEATER DEFAULT TO UNIT SETTING
38	0 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 119 120 - 129 130 - 139 140 - 149 150 - 159 160 - 169 170 - 199 200 - 209 210 - 219 220 - 229 230 - 255	SPECIAL FUNCTIONS NOTHING ENABLE BLACKOUT WITH PAN/TILT MOVEMENT DISABLE BLACKOUT WITH PAN/TILT MOVEMENT ENABLE BLACKOUT WITH COLOR WHEEL MOVEMENT DISABLE BLACKOUT WITH COLOR WHEEL MOVEMENT ENABLE BLACKOUT WITH GOBO WHEEL MOVEMENT DISABLE BLACKOUT WITH GOBO WHEEL MOVEMENT FOCUS COMPENSATE DISABLE FOCUS COMPENSATE NEAR FOCUS COMPENSATE MEDIUM FOCUS COMPENSATE FAR NOTHING RESET ALL RESET EFFECT RESET PAN/TILT MOTORS NOTHING

38 CHANNEL MODE (Extended Setting) (continued)

Channel	Value	Function
38	0 - 69	SPECIAL FUNCTIONS NOTHING
	70 - 79	ENABLE BLACKOUT WITH PAN/TILT MOVEMENT
	80 - 89	DISABLE BLACKOUT WITH PAN/TILT MOVEMENT
	90 - 99	ENABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	100 - 109	DISABLE BLACKOUT WITH COLOR WHEEL MOVEMENT
	110 - 119	ENABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	120 - 129	DISABLE BLACKOUT WITH GOBO WHEEL MOVEMENT
	130 - 139	FOCUS COMPENSATE DISABLE
	140 - 149	FOCUS COMPENSATE NEAR
	150 - 159	FOCUS COMPENSATE MEDIUM
	160 - 169	FOCUS COMPENSATE FAR
	170 - 199	NOTHING
	200 - 209	RESET ALL
	210 - 219	RESET EFFECT
	220 - 229	RESET PAN/TILT MOTORS
	230 - 255	NOTHING