

DMX User Manual

for MC Series

MAIN MENU

Function	Value	DMX Value		Channel Number	
Mode		8bit	16bit	8bit	16bit
White Light	1	0~9		5	7
Gel	2	10~19		7	8
White Light	3	20~29		5	7
CIE 1931	4	30~39		5	8
HSI	5	40~49		5	7
RGBDT	6	50~59		8	9
Party Effect	7	60~69		5	6
Candle	8	70~79		5	7
Club Effect	9	80~89		6	7
Cop Car Effect	10	90~99		6	7
Fire Effect	11	100~109		5	7
Fireworks Effect	12	110~119		5	6
Light Strobe Effect	13	120~129		6	8
Lightning Effect	14	130~139		7	9
Paparazzi Effect	15	140~149		6	8
Television Effect	16	150~159		5	7
Clouds	17	160~169		5	6
ColorChase	18	170~179		5	6
FluoreScent	19	180~189		6	8
Pulsing	20	190~199		7	9
Welding	21	200~209		7	9
Reserved		210~255			

White Light		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	20~29		1	10~19
Dim Curve						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve	3		196~255			196~255
Intensity	0.0%-100.0%	3	0~255	3	4	0~65,535
Color Temperature	2400K-9900K	4	0~255	5	6	0~65,535
Green-Magenta						
Minus green	-1.00 – 0.00	5	0~127		7	0~127
Plus green	+0.00 – +1.00		128~255			128~255

Gel		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	10~19		1	10~19
Dim Curve						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve	3		196~255			196~255
Intensity	0.0%~100.0%	3	0~255	3	4	0~65,536
CTT						
3200K	0	4	0~127		5	0~127
5600K	1		128~255			128~255
Manufacturer						
R	0	5	0~63		6	0~127
L	1		64~127			128~255
Reserved			128~255			128~255
Series Name						
R: Color Correction(33) L: Color Correction(39)	0	6	0~31		7	0~24
R: Color Filters(33) L: Color Filters(89)	1		32~63			25~49
R: Sto Selection(10) L: 600 Series(9)	2		64~95			50~74
R: Cine Filters(46) L: Cosmetic(18)	3		96~127			75~99
L: 700 Series(41)	4		128~159			125~255
Reserved			160~255			125~255
Gel Name		7	0~255		8	0~255

CIE 1931		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	30~39		1	30~39
Dim Curve						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve	3		196~255			196~255
Intensity	0.0%-100.0%	3	0~255	3	4	0~65,536
x Coordinate	0.000-0.8000	4	0~255	5	6	0~65,536
y Coordinate	0.000-0.8000	5	0~255	7	8	0~65,536

HSI		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	40~49		1	40~49
Dim Curve						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve	3		196~255			196~255
Intensity	0.0%-100.0%	3	0~255	3	4	0~65,535
Hue	0° - 360°	4	0~255	5	6	0~65,535
Saturation	0%-100%	5	0~255		7	0~255

RGBDT		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	50~59		1	50~59
Dim Curve						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve	3		196~255			196~255
Intensity	0.0%-100.0%	3	0~255	3	4	0~65,535
Red	0.0%-100.0%	4	0~255	5	6	0~65,535
Green	0.0%-100.0%	5	0~255	7	7	0~65,535
Blue	0.0%-100.0%	6	0~255	9	10	0~65,535
Daylight	0.0%-100.0%	7	0~255	11	12	0~65,535
Tungsten	0.0%-100.0%	8	0~255	13	14	0~65,535

Party		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	60~69		1	60~69
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Saturation	0%-100%	5	0~255		6	0~255

Candle		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	70~79		1	70~79
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
CCT	1500K~2400K	5	0~255	6	7	0~65,535

Club Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	80~89		1	80~89
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Color Variety						
Random	0	5	0 ~ 25	6		0 ~ 25
3 Color	1		26 ~ 49			26 ~ 49
6 Color	2		50 ~ 74			50 ~ 74
9	3		75 ~99			75 ~99
12 Color	4		100 ~ 124			100 ~ 124
15 Color	5		125 ~149			125 ~149
18 Color	6		150 ~ 174			150 ~ 174
24 Color	7		175 ~ 199			175 ~ 199
30 Color	8		200 ~ 224			200 ~ 224
36 Color	9		225 ~ 255			225 ~ 255
Switch Mode						
Fade	0	6	0 ~ 84			0 ~ 84
Plus	1		85 ~ 169			85 ~ 169
Flash	2		170 ~ 255			170 ~ 255

Cop Car Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	90~99		1	90~99
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Combination						
R+B	0		0~27			0~27
B	1		28~55			28~55
R	2		56~83			56~83
A	3		84~111			84~111
A+B	4	5	112~139		6	112~139
R+A+B	5		140~167			140~167
B+W	6		168~195			168~195
R+B+W	7		196~223			196~223
R+A	8		224~255			224~255
Flash Mode						
Single	0		0~63			0~63
Double	1	6	64~127		7	64~127
Triple	2		128~192			128~192
Cycle	3		192~255			192~255

Fire Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	100~109		1	100~109
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
CCT	2400K-9900K	5	0~255	6	7	0~65,535

Fireworks Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	110~119		1	110~119
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	0.6S-12.0S	3	0~255		3	0~65,535
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Mode						
Color	0	5	0~85		6	0~85
White	1		86~171			86~171
Random	2		172~255			172~255

Light Strobe Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	120~129		1	120~129
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 S – 25 S	3	0~255		3	0~65,535
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Hue or CCT						
Hue	0° – 360°	5	0~90	6	7	0~2,880
Reserved			91~104			2,881~5,534
CCT	2400K – 9900K		105~255			5,535~66,535
Saturation when using Hue						
Saturation	0% – 100%	6	0~255		8	0~255
Green-Magenta when using CCT						
Minus green	- 1.00 – - 0.00		0~127			0~127
Plus green	+ 0.00 – + 1.00		128~255			128~255

Lightning Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	130~139		1	130~139
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Frequency	1 S ~25 S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
CCT	2400K~9900K	5	0~255	6	7	5,535~66,535
Green~Magenta						
Minus Green	-1.00 ~ -0.00	6	0~127		8	0~127
Plus Green	+0.00 ~ +1.00		128~255			128~255
Lightning Duration	0.01 ~ 0.1S	7	0~255		9	0~255
Flash Strong	Random		0~23			0~23
	1		24~47			24~47
	2		48~71			48~71
	3		72~95			72~95
	4		96~119			96~119
	5	7	120~143		9	120~143
	6		144~167			144~167
	7		168~191			168~191
	8		192~215			192~215
	9		216~239			216~239
	10		240~255			240~255

Paparazzi Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	140~149		1	140~149
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Frequency	0.5 S – 3.0 S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Color Temperature	2400K-9900K	5	0~255	6	7	0~65,535
Mode						
FlashBulb	0	6	0~127		8	0~127
Modern	1		128~255			128~255

Television Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	150~159		1	150~159
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1S – 60S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
CCT	3200K-6500K	5	0~255	6	7	0~65,535

Clouds		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	160~169		1	160~169
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 S – 240 S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Offset	0% – 100%	5	0~255		6	0~255

Color Chase		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	170~179		1	170~179
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 S – 60 S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Offset	0% – 100%	5	0~255		6	0~255

FluoreScent Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	180~189		1	180~189
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 S – 25 S	3	0~255		3	0~65,535
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Hue or CCT						
Hue	0° – 360°	5	0~90	6	7	0~2,880
Reserved			91~104			2,881~5,534
CCT	2400K – 9900K		105~255			5,535~66,535
Saturation when using Hue						
Saturation	0% – 100%	6	0~255		8	0~255
Green-Magenta when using CCT						
Minus green	- 1.00 – - 0.00		0~127			0~127
Plus green	+ 0.00 – + 1.00		128~255			128~255

Plusing Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	190~199		1	190~199
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 S – 25 S	3	0~255		3	0~65,535
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Hue or CCT						
Hue	0° – 360°	5	0~90	6	7	0~2,880
Reserved			91~104			2,881~5,534
CCT	2400K – 9900K		105~255			5,535~66,535
Saturation when using Hue						
Saturation	0% – 100%	6	0~255		8	0~255
Green-Magenta when using CCT						
Minus green	- 1.00 – - 0.00		0~127			0~127
Plus green	+ 0.00 – + 1.00		128~255			128~255
Pulse Width	0.0% – 100%	7	0~255		9	0~255

Welding Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
Mode		1	200~209		1	200~209
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1 – 25 Times/S	3	0~255		3	0~255
Intensity	0.0%-100.0%	4	0~255	4	5	0~65,535
Hue or CCT		5		6	7	
Hue	0° – 360°		0~90			0~2,880
Reserved			91~104			2,881~5,534
CCT	2400K – 9900K		105~255			5,535~66,535
Saturation when using Hue		6			8	
Saturation	0% – 100%		0~255			0~255
Green-Magenta when using CCT						
Minus green	- 1.00 – - 0.00		0~127			0~127
Plus green	+ 0.00 – + 1.00		128~255			128~255
Ambient Dim	0.0% – 100%	7	0~255		9	0~255