

# DMX User Manual

**for MC Series**

# MAIN MENU

Function	Value	DMX Value		Channel Number	
Mode		8bit	16bit	8bit	16bit
White Light	1	0-9 20-29		5	7
Gel	2	10-19		7	8
CIE 1931	3	30-39		5	8
HSI	4	40-49		5	7
RGBDT	5	50-59		8	14
Party Effect	6	60-69		5	6
Candle	7	70-79		6	9
Club Effect	8	80-89		5	6
Cop Car Effect	9	90-99		5	6
Fire Effect	10	100-109		6	9
Fireworks Effect	11	110-119		5	7
Light Strobe Effect	12	120-129		6	8
Lightning Effect	13	130-139		7	9
Paparazzi Effect	14	140-149		5	7
Television Effect	15	150-159		6	8
<b>Reserved</b>		160-255			

White Light		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Dim Curve</b>						
Linear	0		0~63			0~63
Exponential	1	2	64~127		2	64~127
Logarithmic	2		128~195			128~195
S-Curve			196~255			196~255
<b>Intensity</b>	0.0%-100.0%	3	0~255	3	4	0~65,535
<b>Color Temperature</b>	2400K-9900K	4	0~255	5	6	0~65,535
<b>Green-Magenta</b>						
Minus green	-1 - 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	
<b>Dim Curve</b>						
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
<b>Intensity</b>	0.0%-100.0%	3	0~255	3	4	0~65,536
<b>CTT</b>						
3200K	0	4	0~127		5	0~127
5600K	1		128~255			128~255
<b>Manufacturer</b>						
R	0	5	0~63		6	0~127
L	1		64~127			128~255
<b>Reserved</b>			128~255			128~255
<b>Series Name</b>						
R: Color Correction(33) L: Color Correction(39)	0		0~31			0~24
R: Color Filters(33) L: Color Filters(89)	1		32~63			25~49
R: Sto Selection(10) L: 600 Series(9)	2	6	64~95		7	50~74
R: Cine Filters(46) L: Cosmetic(18)	3		96~127			75~99
L: 700 Series(41)	4		128~159			125~255
<b>Reserved</b>			160~255			125~255
<b>Gel Name</b>		7	0~255		8	0~255

CIE 1931		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Dim Curve</b>						
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
<b>Intensity</b>	0.0%-100.0%	3	0~255	3	4	0~65,536
<b>x Coordinate</b>	0.000-0.8000	4	0~255	5	6	0~65,536
<b>y Coordinate</b>	0.000-0.8000	5	0~255	7	8	0~65,536

HSI		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Dim Curve</b>						
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
<b>Intensity</b>	0.0%-100.0%	3	0-255	3	4	0-65,535
<b>Hue</b>	0° - 360°	4	0-255	5	6	0-65,535
<b>Saturation</b>	0%-100%	5	0-255		7	0-255

RGBDT		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Dim Curve</b>						
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
<b>Intensity</b>	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	
<b>Status</b>						
Start	0	2	0-127		2	0-127
Stop	1		128-255			128-255
<b>Speed</b>	0.6S-12.0S	3	0-255		3	0-255
<b>Intensity</b>	0.0%-100.0%	4	0-255	4	5	0-65,535
<b>Saturation</b>	0%-100%	5	0-255		6	0-255

Candle		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0-127		2	0-127
Stop	1		128-255			128-255
<b>Speed</b>	0.6S-12.0S	3	0-255		3	0-255
<b>Intensity</b>	0.0%-100.0%	4	0-255	4	5	0-65,535
<b>CCT (low)</b>	2400K-2700K	5	0-255	6	7	0-65,535
<b>CCT (high)</b>	2400K-2700K	6	0-255	8	9	0-65,535



Club Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
<b>Speed</b>	0.6S-12.0S	3	0~255		3	0~255
<b>Intensity</b>	0.0%-100.0%	4	0~255	4	5	0~65,535
<b>Color Variety</b>						
Blue	0	5	0~85		6	0~85
RGB	1		86~170			86~170
Random	2		171~255			171~255

Cop Car Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
<b>Speed</b>	0.6S-12.0S	3	0~255		3	0~255
<b>Intensity</b>	0.0%-100.0%	4	0~255	4	5	0~65,535
<b>Combination</b>						
Blue	0	5	0~85		6	0~85
Red	1		86~170			86~170
Red&Blue	2		171~255			171~255

Fire Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0-127		2	0-127
Stop	1		128-255			128-255
<b>Speed</b>	0.6S-12.0S	3	0-255		3	0-255
<b>Intensity</b>	0.0%-100.0%	4	0-255	4	5	0-65,535
<b>CCT (low)</b>	2400K-9900K	5	0-255	6	7	0-65,535
<b>CCT (high)</b>	2400K-9900K	6	0-255	8	9	0-65,535

Fireworks Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0-127		2	0-127
Stop	1		128-255			128-255
<b>Speed</b>	0.6S-12.0S	3	0-255		3	0-255
<b>Intensity</b>	0.0%-100.0%	4	0-255	4	5	0-65,535
<b>Hue</b>	0° - 360°	5	0-255	6	7	0-65,535

Light Strobe Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0-127		2	0-127
Stop	1		128-255			128-255
<b>Speed</b>	1-25 Times/S	3	0-255		3	0-65,535
<b>Intensity</b>	0.0%-100.0%	4	0-255	4	5	0-65,535
<b>Color Temperature</b>	2400K-9900K	5	0-255	6	7	0-65,535
<b>Green~Magenta</b>		6			8	
Minus Green	-1.00 – 0.00		0-127			0-127
Plus Green	0.00 – +1.00		128-255			128-255
neutral/no/effect	44~57		110-145			110-145

Lightning Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
<b>Speed</b>	1-25 Times/S	3	0~255		3	0~65,535
<b>Intensity</b>	0.0%-100.0%	4	0~255	4	5	0~65,535
<b>Color Temperature</b>	2400K-9900K	5	0~255	6	7	0~65,535
<b>Green~Magenta</b>						
Minus Green	-1.00 – 0.00	6	0~127		8	0~127
Plus Green	0.00 – +1.00		128~255			128~255
<b>Lightning Duration</b>	0.01 – 0.1S	7	0~255		9	0~255

Paparazzi Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
<b>Speed</b>	1 – 25 Time/S	3	0~255		3	0~255
<b>Intensity</b>	0.0%-100.0%	4	0~255	4	5	0~65,535
<b>Color Temperature</b>	2400K-9900K	5	0~255	6	7	0~65,535

Television Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
<b>Status</b>						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
<b>Speed</b>	1 – 25 Times/S	3	0~255		3	0~255
<b>Intensity</b>	0.0%-100.0%	4	0~255	4	5	0~65,535
<b>CCT (low)</b>	2400K-9900K	5	0~255	6	7	0~65,535
<b>CCT (high)</b>	2400K-9900K	6	0~255	8	9	0~65,535