



BRIGHT IDEAS

DMX User Manual

for **CTD-Soft**

Main Menu

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

1 White Light

White Light		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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%		0~255	3	4	0~65,535
Color Temperature	2800K-6500K		0~255	5	6	0~65,535
Green~Magenta						
Minus green	-1 – 0.00	5	0~127		7	0~127
Plus green	0.00 – +1.00		128~255			128~255

2 Gel

Gel		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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%		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

3 Ext. Kelvin

Ext. Kelvin		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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%		0~255	3	4	0~65,536
Color Temperature	2400K-9900K		0~255	5	6	0~65,536
Green~Magenta						
Minus green	-1 – 0.00	5	0~127		7	0~127
Plus green	0.00 – +1.00		128~255			128~255

4 CIE 1931

CIE 1931		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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

5 HSI

HSI		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
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

6 RGBDT

RGBDT		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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

7 Party

Party		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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

8 Candle

Candle		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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 (low)	2400K-2700K	5	0~255	6	7	0~65,535
CCT (high)	2400K-2700K	6	0~255	8	9	0~65,535

Club Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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						
Blue	0	5	0~85		6	0~85
RGB	1		86~170			86~170
Random	2		171~255			171~255

10 Cop Car Effect

Cop Car Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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						
Blue	0	5	0~85		6	0~85
Red	1		86~170			86~170
Red&Blue	2		171~255			171~255

11 Fire Effect

Fire Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
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 (low)	2400K-9900K	5	0~255	6	7	0~65,535
CCT (high)	2400K-9900K	6	0~255	8	9	0~65,535

12 Fireworks Effect

Fireworks Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
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
Hue	0° - 360°	5	0~255	6	7	0~65,535

13 Light Strobe Effect

Light Strobe Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1-25 Times/S	3	0~255		3	0~65,535
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
Green~Magenta						
Minus Green	-1.00 – 0.00	6	0~127		8	0~127
Plus Green	0.00 – +1.00		128~255			128~255
neutral/no/effect	44~57		110~145			110~145

14 Lightning Effect

Lightning Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
Status						
Start	0	2	0~127		2	0~127
Stop	1		128~255			128~255
Speed	1-25 Times/S	3	0~255		3	0~65,535
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
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

15 Paparazzi Effect

Paparazzi Effect		8bit		16bit		
Function	Value	Channel	DMX Value	Channel		Value
				HI	LO	
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 Temperature	2400K-9900K	5	0~255	6	7	0~65,535

16 Television Effect

Television Effect		8bit		16bit		
Function	Percent	Channel	DMX Value	Channel		Value
				HI	LO	
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
CCT (low)	2400K-9900K	5	0~255	6	7	0~65,535
CCT (high)	2400K-9900K	6	0~255	8	9	0~65,535