CONSTANT CURRENT CINQUE-LED DMX DIMMER

5 CHANNEL X 8 AMP DMX512 DECODER
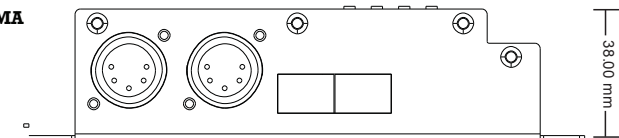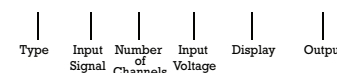### V 3.2

PROTECT-A-FET

Our most advanced standalone DMX Dimmer Ever.
The Cinque-LED DMX Dimmer is fantastic.
All the features our film, television, and theatrical
friends have been asking for have been included.
High current rating, smooth dimming, adjustable
PWM frequency, 8-bit and 16-bit options,
full manual mode, RDM control,
XLR5 and RJ45 connections,
Protect-A-FET technology,
as well as UL certified as a component.

New Features in V3.2
1 - Brought back Terminal Block DMX I/O
2 - PWM Frequency adjustable via RDM

DMX Address is 001, CH04

DMX CHANNEL	FACTORY DEFAULT dp 1.1	TRUE 16-BIT dp 2.1	dp 5.4	dp 6.4
1	output 1 dim	output 1 dim	output 1 dim	output 1 dim
2	output 2 dim	output 1 fine dim	output 2 dim	output 2 dim
3	output 3 dim	output 2 dim	output 3 dim	output 3 dim
4	output 4,5 dim	output 2 fine dim	output 4,5 dim	output 4,5 dim
5		output 3 dim	master dim	master dim
6		output 3 fine dim		strobe effects
7		output 4,5 dim		
8		output 4,5 fine dim		

DMX Address is 001, CH05

DMX CHANNEL	FACTORY DEFAULT dp 1.1	TRUE 16-BIT dp 2.1	dp 6.5	dp 7.5
1	output 1 dim	output 1 dim	output 1 dim	output 1 dim
2	output 2 dim	output 1 fine dim	output 2 dim	output 2 dim
3	output 3 dim	output 2 dim	output 3 dim	output 3 dim
4	output 4 dim	output 2 fine dim	output 4 dim	output 4 dim
5	output 5 dim	output 3 dim	output 5 dim	output 5 dim
6		output 3 fine dim	master dim	master dim
7		output 4 dim		strobe FX
8		output 4 fine dim		
9		output 5 dim		
10		output 5 fine dim		

The data definitions for strobe channel are as follows:

{0, 7}, //undefined
{8, 65}, //slow strobe ->fast strobe
{66, 71}, //undefined
{72, 127}, //slow push fast close
{128, 133}, //undefined
{134, 189}, //slow close fast push
{190, 195}, //undefined
{196, 250}, //random strobe
{251, 255}, //undefined

The supported RDM PIDs are as follows:

DISC_UNIQUE_BRANCH
DISC_MUTE
DISC_UN_MUTE
DEVICE_INFO
DMX_START_ADDRESS
IDENTIFY_DEVICE
SOFTWARE_VERSION_LABEL
DMX_PERSONALITY
DMX_PERSONALITY_DESCRIPTION
SLOT_INFO

SLOT_DESCRIPTION
MANUFACTURER_LABEL
SUPPORTED_PPARAMETERS

Restore to Factory Default Settings

Press and hold down both "Menu" & "Enter" keys
until the digital display turns off, then release the keys.
The system will reset and the digital display will turn on
again. All settings will be restored to factory default.

Factory Default Settings

A.001   CH 05   bt16
PF 10   9A 1.5   dP 1.1

Specifications

Input — 5A MAX, 12V to 48V DC

Output — 12V to 48V DC, 1A per Channel, 60 ~ 240 Watts

PWM Frequency — 500Hz to 35KHz

Resolution — 8 Bit & 16 Bit

DMX512 — 5 Channel

Manual Mode

DMX 512 RDM Compliant

UL Component Recognized — E489028

IP Rating — IP 20

Temperature Range — -20°C to +70°C, -4°F to +158°F

Dimensions
L 164mm 6-9/20″
W 73mm 2-7/8″
H 38mm 1-1/2″

Weight — 300g, 10.5 oz

CONT DMX 5CH 12V48V LCD CC1000MA

Type | Input Signal | Number of Channels | Input Voltage | Display | Output
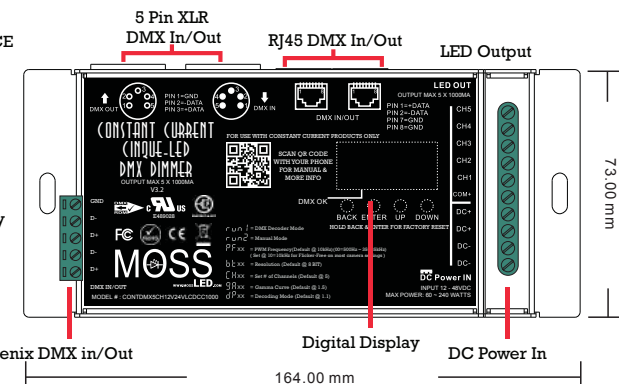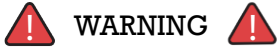
⚠ WARNING ⚠

DO NOT WIRE WITH POWER APPLIED TO DEVICE
Only energize when all input and output
power wires have been securely
attached to terminal block. Connecting LEDs
while Cinque is energized can expose LEDs
to an overcurrent which will render them
permanently damaged.

CONSTANT CURRENT DEVICES ONLY
Constant voltage LEDs will not operate properly
and will likely be permanently damaged.

DO NOT USE IN WET LOCATIONS
Indoor use only.
Do not expose device to excessive moisture.

5 Pin XLR DMX In/Out
RJ45 DMX In/Out
LED Output

Phoenix DMX in/Out
Digital Display
DC Power In

164.00 mm
38.00 mm
73.00 mm

FCC CE RoHS COMPLIANT

# WIRING DIAGRAM

## Master/Manual Mode ⎡⎺⎣ ⎓ 2

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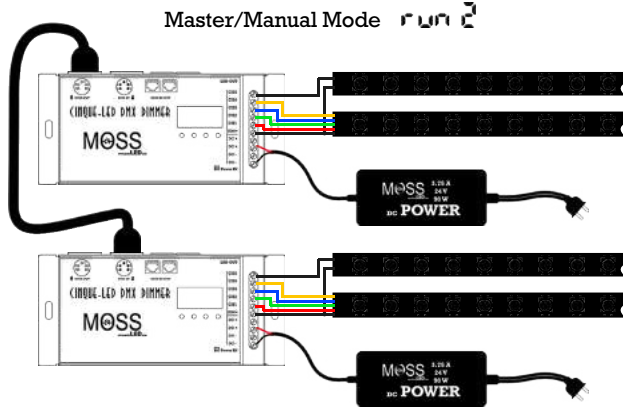
DMX Decoder Mode ⎡⎓⎣ 1
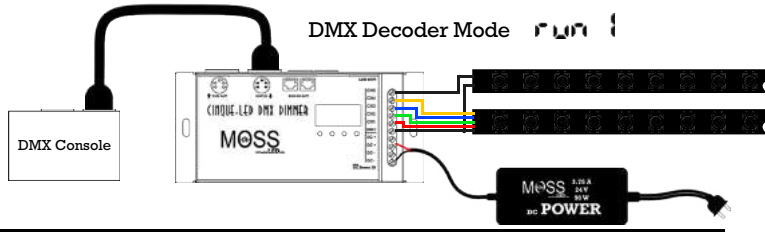
OPERATION

DMX Mode (Decoder Mode) [DMX 512]

Using the "Up/DOWN" buttons you can cycle through the following menus.

A.XXX	DMX address 1 to 507, default set to 001. The decimal after the "A" indicates reciving a DMX signal.
CH XX	DMX channel quantity, default set to CH05
bt XX	Bit resolution 8bit/16bit, default set to 16bit
PF XX	PWM frequency 500Hz to 35KHz, default set to 10KHz
9A XX	Dimming gamma curve value, default set to 1.5
dP XX	Decoding mode, default set to dP1.1
run 1	Switch between DMX Mode and Manual Mode

Protect-A-FET
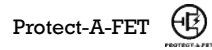
When a short circuit occurs all the outputs will stop functioning and the LED display with flash.
Power cycle it (turn it off then on again) to restore normal operation.

Manual Mode (Master Mode)

To enter Manual Mode use the "UP/DOWN" and set to "run 1" press "ENTER"
then with the "UP" button set to "run 2". Press "BACK" to confirm. Power cycle the unit.
The following menu will apear.

P.XXX	Program 1 to 31. P01 channel 1 is on P02 channel 2 is on etc...
1XX to 5XX	Manual control over channels 1 to 5 from 00 to FL
b XX	Program brightness 1 to 8
S XX	Program speed 1 to 16
run 2	Switch between DMX Mode and Manual Mode

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1. Set DMX Address

To set the DMX address select menu A.XXX, press "ENTER" the display will flash.
Press "UP/DOWN" to set the DMX address. Press "BACK" to confirm.

2. Set Channel Quantity

Select menu CH XX, press "ENTER" the display will flash. Press "UP/DOWN"
and set the DMX channel quantity. Press "BACK" to confirm.

Example: DMX address is set to 001.
CH01 : DMX Footprint = 1 (DMX address for all channels is 001)
CH02 : DMX Footprint = 2 (DMX address 001 for channels 1&3. DMX address 002 for channels 2, 4&5)
CH03 : DMX Footprint = 3 (DMX address 001&002 for channels 1, 2. DMX address 003 for channels 3, 4&5)
CH04 : DMX Footprint = 4 (DMX address 001&002&003 for channels 1, 2&3. DMX address 004 for channels 4&5)
CH05 : DMX Footprint = 5 (DMX address 001,002,003,004&005 for channels 1, 2, 3, 4 ,5 respectively)

3. Resolution

Select menu bt XX, press "ENTER" the display will flash. Press "UP/DOWN"
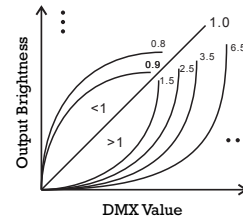to choose 8bit or 16bit. Press "BACK" to confirm.

4. PWM Frequency

Select menu PF XX, press "ENTER" the display will flash. Press "UP/DOWN"
to choose from 00 to 35. Press "BACK" to confirm. Default @ 10khz.

00 = 500Hz	03 = 3KHz	06 = 6KHz	09 = 9KHz	14 = 14KHz	20 = 20KHz
01 = 1KHz	04 = 4KHz	07 = 7KHz	10 = 10KHz	16 = 16KHz	25 = 25KHz
02 = 2KHz	05 = 5KHz	08 = 8KHz	12 = 12kHz	18 = 18KHz	35 = 35KHz

5. Gamma Curve Value

Select menu 9A XX, press "ENTER" the display will flash.
Press "UP/DOWN" to choose 0.1 to 9.9. Press "BACK" to confirm.

*Gamma adjusts the dimming curve of the unit so you can have an extremely high resolution low end or an extremely high resolution high end.

6. Decoding Mode

Select menu dP XX, press "ENTER" the display will flash.
Press "UP/DOWN" to choose the decoding mode. Press "BACK" to confirm.

DMX Address is 001, CH01

DMX CHANNEL	FACTORY DEFAULT dp 1.1	TRUE 16-BIT dp 2.1
1	all output dim	all output dim
2	not in use	all output fine dim

DMX Address is 001, CH02

DMX CHANNEL	FACTORY DEFAULT dp 1.1	TRUE 16-BIT dp 2.1	dp 3.2
1	output 1,3 dim	output 1,3 dim	output 1,3 dim
2	output 2,4,5 dim	output 1,3 fine dim	output 2,4,5 dim
3		output 2,4,5 dim	all output dim
4		output 2,4,5 fine dim	

DMX Address is 001, CH03

DMX CHANNEL	FACTORY DEFAULT dp 1.1	TRUE 16-BIT dp 2.1	dp 4.3	dp 5.3
1	output 1 dim	output 1 dim	output 1 dim	output 1 dim
2	output 2 dim	output 1 fine dim	output 2 dim	output 2 dim
3	output 3,4,5 dim	output 2 dim	output 3,4,5 dim	output 3,4,5 dim
4		output 2 fine dim	master dim	master dim
5		output 3,4,5 dim	all output dim	strobe FX
6		output 3,4,5 fine dim		