



## MOSS LED 5 Channel X8 AMP DMX512 Decoder Instructions

[Home](#) » [MOSS LED](#) » MOSS LED 5 Channel X8 AMP DMX512 Decoder Instructions 

### Contents

- [1 MOSS LED 5 Channel X8 AMP DMX512 Decoder](#)
- [2 New Features in V3.2](#)
- [3 WIRING DIAGRAM](#)
- [4 OPERATION](#)
- [5 Documents / Resources](#)
  - [5.1 References](#)
- [6 Related Posts](#)















**MOSS LED 5 Channel X8 AMP DMX512 Decoder**



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.

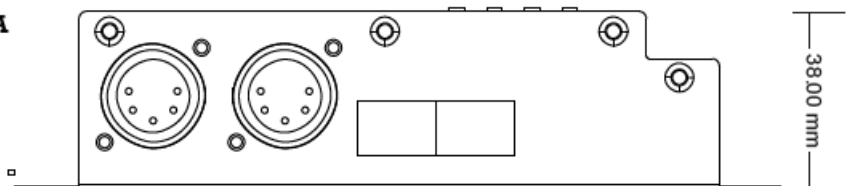
## New Features in V3.2

1. Brought back Terminal Block DMX I/O
2. PWM Frequency adjustable via RDM

 <b>Input</b> 5A MAX 12V to 48V DC	 <b>Output</b> 12V to 48V DC 1A per Channel 60 ~ 240 Watts	 <b>PWM Frequency</b> 500Hz to 35KHz	 <b>Resolution</b> 8 Bit & 16 Bit
 <b>DMX512</b> 5 Channel	 <b>Manual Mode</b>	 <b>DMX 512</b> RDM Compliant	 <b>UL</b> Component Recognized E489028
 <b>IP Rating</b> IP 20	 <b>Temperature Range</b> -20°C to +70°C -4°F to +158°F	 <b>Dimensions</b> L 164mm 6-9/20" W 73mm 2-7/8" H 38mm 1-1/2"	 <b>Weight</b> 300g 10.5 oz

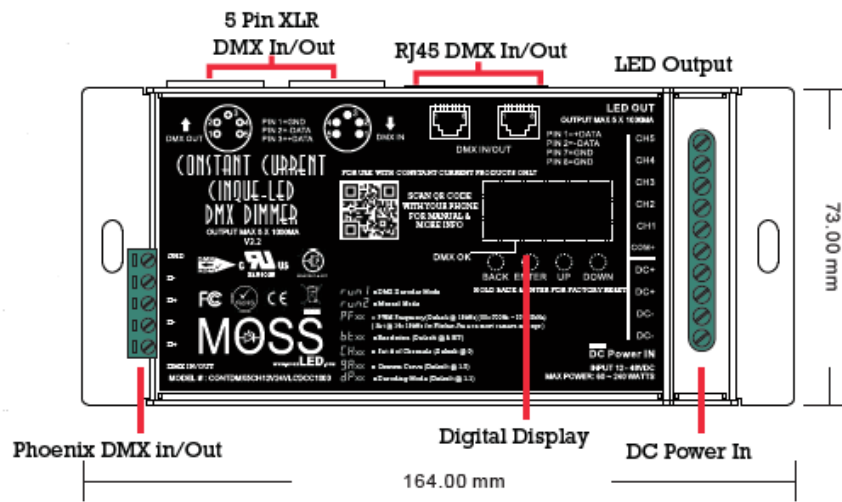
### CONT DMX 5CH 12V48V LCD CC1000MA

Type	Input Signal	Number of Channels	Input Voltage	Display	Output
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## 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.



**DMX Address is 001, CH04**

DMX CHANNEL	FACTORY DEFAULT	TRUE 16-BIT		
	dp 1.1	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		
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**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

### **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.

**The supported RDM PIDs are as follows:**

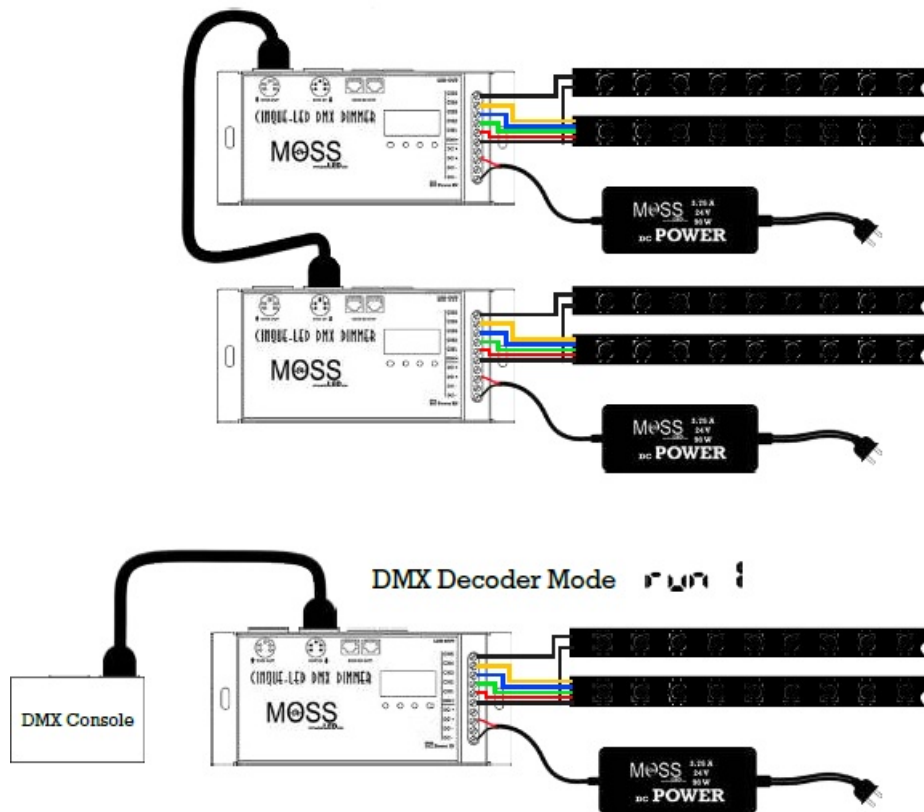
- DISC\_UNIQUE\_BRANCH
- DISC\_MUTE
- DISC\_UN\_MUTE
- DEVICE\_INFO
- DMX\_START\_ADDRESS
- IDENTIFY\_DEVICE
- SOFTWARE\_VERSION\_LABEL
- DMX\_PERSONALITY
- DMX\_PERSONALITY\_DESCRIPTION SLOT\_INFO

SLOT\_DESCRIPTION MANUFACTURER\_LABEL SUPPORTED\_PARAMETERS

## **WIRING DIAGRAM**

### **WARNING**

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## OPERATION

DMX Mode (Decoder Mode) Using the “Up/DOWN” buttons you can cycle through the following menus.

- DMX address 1 to 507, default set to 001. The decimal after the “A” indicates receiving a DMX signal.
- DMX channel quantity, default set to CH05
- Bit resolution 8bit/16bit, default set to 16bit
- PWM frequency 500Hz to 35KHz, default set to 10KHz
- Dimming gamma curve value, default set to 1.5
- Decoding mode, default set to dP1.1
- 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 will 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 “then with the “UP” button set to “ The following menu will appear. ”. Press “BACK” to confirm. Power cycle the unit.

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

### Set DMX Address

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

### **Set Channel Quantity**

Select menu , 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)

### **Resolution**

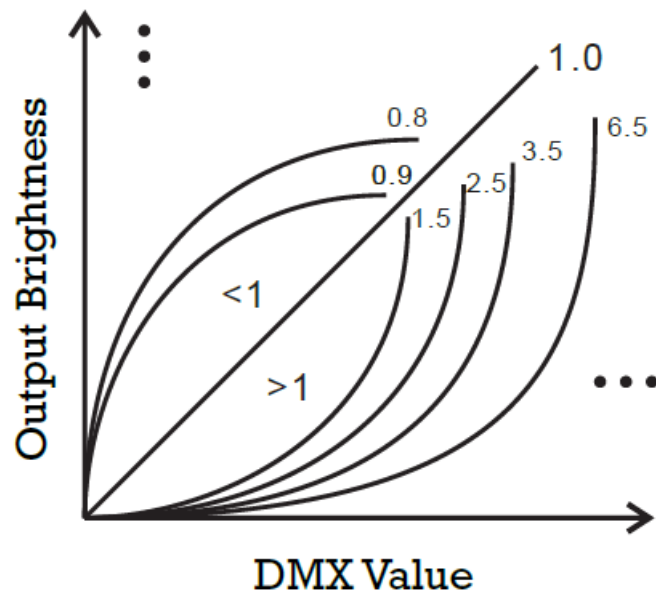
press “ENTER” the display will flash. Press “UP/DOWN”to choose 8bit or 16bit. Press “BACK” to confirm.

### **PWM Frequency**

Select menu , press “ENTER” the display will flash. Press “UP/DOWN” to choose from 00 to 35. Press “BACK” to confirm. Default

- @ 10khz.
- 01 = 1KHz
- 02 = 2KHz
- 03 = 3KHz
- 05 = 5KHz
- 06 = 6KHz
- 08 = 8KHz
- 09 = 9KHz
- 10 = 10KHz
- 12 = 12kHz
- 14 = 14KHz
- 18 = 18KHz
- 20 = 20KHz
- 35 = 35KHz

Select menu , press “ENTER” the display will flash. Press “UP/DOWN” to choose 0.1 to 9.9. Press “BACK” to confirm.



Select menu , 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		

## Documents / Resources

	<a href="#">MOSS LED 5 Channel X8 AMP DMX512 Decoder</a> [pdf] Instructions 5 Channel X8 AMP DMX512 Decoder
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## References

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