



DODICI-LED DMX DIMMER

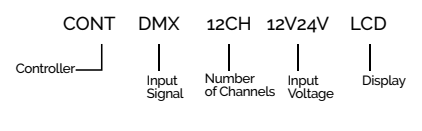
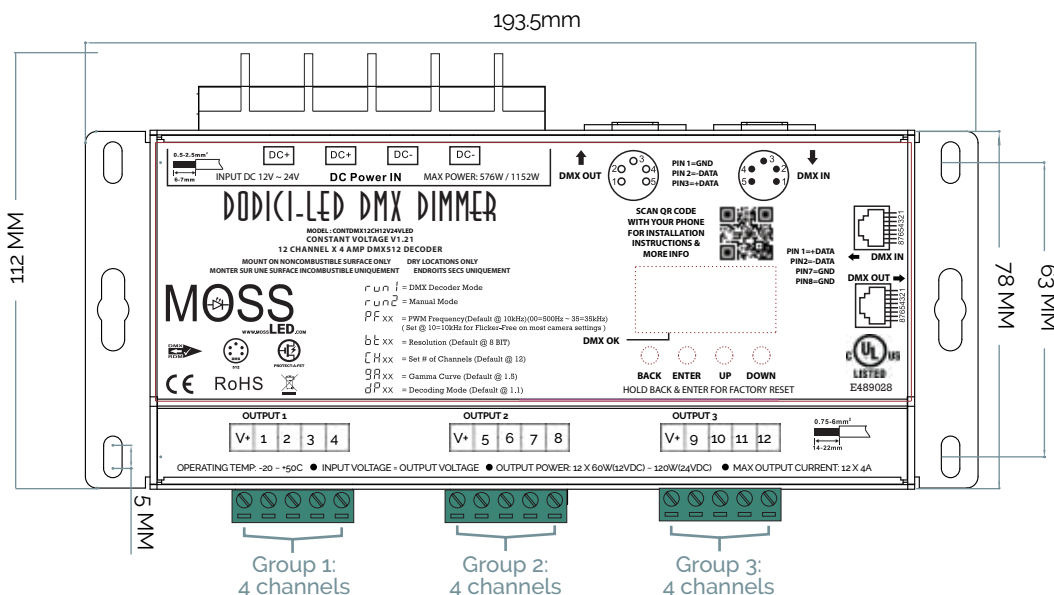
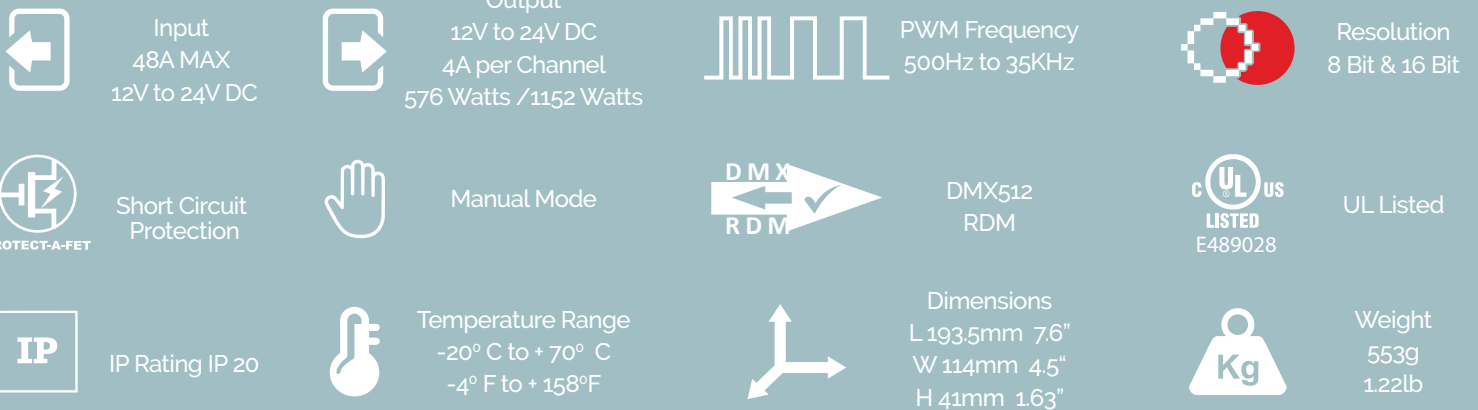
12 CHANNEL X 4 AMP DMX512 DECODER
V1.21 - for indoor use only

The Dodici-LED DMX Dimmer is BY FAR the most advanced standalone DMX Decoder controller unit on the market. The Dodici-LED Dimmer has all the features our film, television, and theatrical friends have been asking for. It is an extremely durable metal, rugged housing with professional-grade XLR 5-Pin In/Out and RJ45 In/Out for DMX signal. The terminal blocks used for the input have two spaces for Voltage + and two spaces for GND which allow for the huge current capability of 48 AMPS of power!

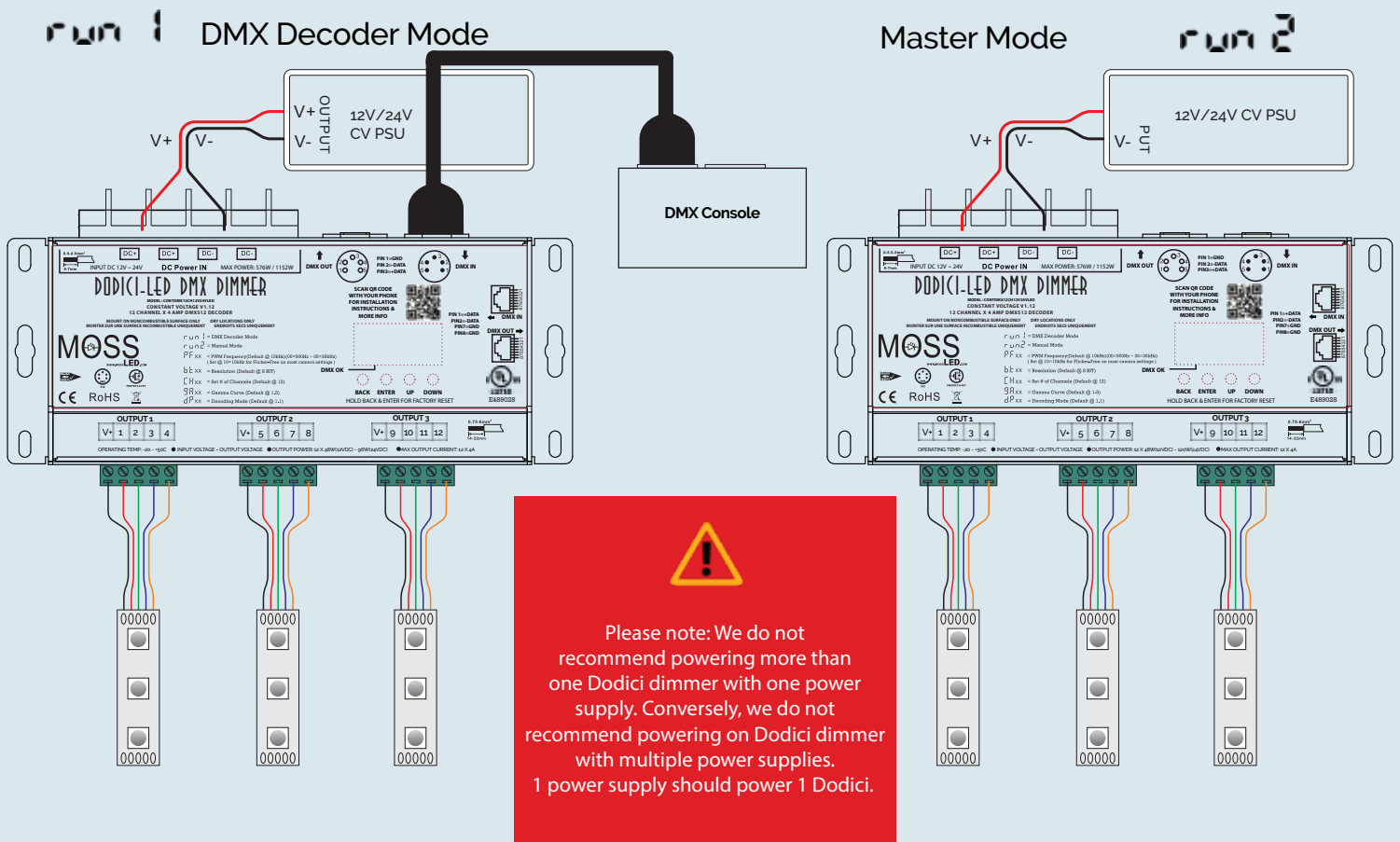


New Features in V 1.1

1. PWM Frequency adjustable via RDM
2. Gamma curve adjustable via RDM
3. Default PWM Frequency now set to 10khz.



WIRING DIAGRAM



OPERATION

run1 DMX Decoding mode

run2 Manul Mode / Standalone Mode / Master Mode

Choose run1 or run2 to confirm operating mode. run1 is standard DMX decoder mode. run2 is manual master mode. run2 allows you to manually control the output of the unit as well as output DMX signal from the unit itself to any DMX units connected via the DMX output ports. To change between run1 and run2 you no longer need to power down the unit. Simply select run1 or run2 and you will access the dmx or manual mode menus.

run1 Menu Options: To reset to factory settings hold down Back + Enter for 5 seconds

- 8.XXX DMX Signal Indicator. If a valid DMX signal is present, a small indicator will present itself.
- 8.XXX Set the DMX address to anything between 001 and 512. To address the unit above 500 it must be set to 4 channel or 1 channel mode. ENTER -> (adjust DMX address) UP/DOWN -> BACK (new address locked in)
- 88xx DMX channel quantity. Factory default is 12 but can also be run in 1 channel and 4 channel mode. ENTER -> (adjust channel footprint) UP/DOWN -> BACK (new channel count locked in)
- 88xx 8bit or 16bit mode. Factory default is 16bit mode. For true 16bit mode please set dP to 2.1 ENTER -> (adjust bitrate) UP/DOWN -> BACK (new bitrate locked in)

88.XX

PWM Frequency adjustment. Factory default is 10kHz. If you experience flickering or banding on camera please adjust to 12kHz or higher. ENTER -> (adjust frequency) UP/DOWN -> BACK (new frequency locked in)

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

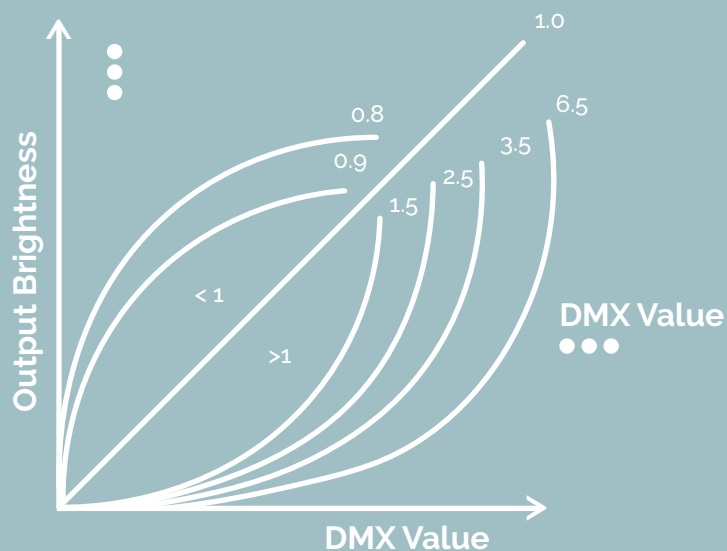
18 = 18KHz

35 = 35KHz

88.XX

Gamma curve adjustment. Factory default is 1.5.

ENTER -> (adjust frequency) UP/DOWN -> BACK (new gamma curve locked in)



88.XX

Decoding mode. Default is set to dp1.1. Please see chart on next page for further details.

DMX address is 001, C H 01

DMX Console Slider number	dp 1.1	dp 2.1	dp 2.2	dp 3.1
DMX channel				
1	All output dimming	All output dimming	All output dimming	All output dimming
2		All output micro dimming	All output strobe effects	All output micro dimming
3				All output strobe effects

Short circuit protection

If short circuit of the connected load is detected, the display will flash to alarm and the load will be forced to open circuit status. Once the fault is removed, the decoder will recover after re-powered on.

DMX address is 001, C H 12

	Standard 8-bit mode	TRUE 16-BIT								
DMX Console Slider number	dp 1.1	dp 2.1	dp 3.2	dp 3.4	dp 4.3	dp 5.3	dp 5.4	dp 6.4	dp 8.6	dp 9.6
DMX channel										
01	Output 1 dimming	Output 1 dimming	Output 1 & 2 dimming	Output 1 & 2 & 3 & 4 dimming	Output 1 & 2 & 3 dimming	Output 1 & 2 & 3 dimming	Output 1 & 2 & 3 & 4 dimming	Output 1 & 2 & 3 & 4 dimming	Output 1 & 2 & 3 & 4 dimming	Output 1 & 2 & 3 & 4 dimming
02	Output 2 dimming	Output 1 micro dimming	Output 1 dimming	Output 1 & 3 dimming	Output 1 dimming	Output 1 dimming	Output 1 dimming	Output 1 dimming	Output 1 dimming	Output 1 dimming
03	Output 3 dimming	Output 2 dimming	Output 2 dimming	Output 2 & 4 dimming	Output 2 dimming	Output 2 dimming	Output 2 dimming	Output 2 dimming	Output 2 dimming	Output 2 dimming
04	Output 4 dimming	Output 2 micro dimming	Output 3 & 4 dimming	Output 5 & 6 & 7 & 8 dimming	Output 3 dimming	Output 3 dimming	Output 3 dimming	Output 3 dimming	Output 3 dimming	Output 3 dimming
05	Output 5 dimming	Output 3 dimming	Output 3 dimming	Output 5 & 7 dimming	Output 4 & 5 & 6 dimming	Output 1 & 2 & 3 strobe effects	Output 4 dimming	Output 4 dimming	Output 4 dimming	Output 4 dimming
06	Output 6 dimming	Output 3 micro dimming	Output 4 dimming	Output 6 & 8 dimming	Output 4 dimming	Output 4 & 5 & 6 dimming	Output 5 & 6 & 7 & 8 dimming	Output 1 & 2 & 3 & 4 strobe effects	Output 5 & 6 dimming	Output 5 & 6 dimming
07	Output 7 dimming	Output 4 dimming	Output 5 & 6 dimming	Output 9 & 10 & 11 & 12 dimming	Output 5 dimming	Output 4 dimming	Output 5 dimming	Output 5 & 6 & 7 & 8 dimming	Output 5 dimming	Output 5 dimming
08	Output 8 dimming	Output 4 micro dimming	Output 5 dimming	Output 9 & 11 dimming	Output 6 dimming	Output 5 dimming	Output 6 dimming	Output 5 dimming	Output 6 dimming	Output 6 dimming
09	Output 9 dimming	Output 5 dimming	Output 6 dimming	Output 10 & 12 dimming	Output 7 & 8 & 9 dimming	Output 6 dimming	Output 7 dimming	Output 6 dimming	Output 7 & 8 & 9 & 10 dimming	Output 1 & 2 & 3 & 4 & 5 & 6 strobe effects
10	Output 10 dimming	Output 5 micro dimming	Output 7 & 8 dimming		Output 7 dimming	Output 4 & 5 & 6 strobe effects	Output 8 dimming	Output 7 dimming	Output 7 dimming	Output 7 & 8 & 9 & 10 dimming
11	Output 11 dimming	Output 6 dimming	Output 7 dimming		Output 8 dimming	Output 7 & 8 & 9 dimming	Output 9 & 10 & 11 & 12 dimming	Output 8 dimming	Output 8 dimming	Output 7 dimming
12	Output 12 dimming	Output 6 micro dimming	Output 8 dimming		Output 9 dimming	Output 7 dimming	Output 9 dimming	Output 5 & 6 & 7 & 8 strobe effects	Output 9 dimming	Output 8 dimming
13		Output 7 dimming	Output 9 & 10 dimming		Output 10 & 11 & 12 dimming	Output 8 dimming	Output 10 dimming	Output 9 & 10 & 11 & 12 dimming	Output 10 dimming	Output 9 dimming
14		Output 7 micro dimming	Output 9 dimming		Output 10 dimming	Output 9 dimming	Output 11 dimming	Output 9 dimming	Output 11 & 12 dimming	Output 10 dimming
15		Output 8 dimming	Output 10 dimming		Output 11 dimming	Output 7 & 8 & 9 strobe effects	Output 12 dimming	Output 10 dimming	Output 11 dimming	Output 11 & 12 dimming
16		Output 8 micro dimming	Output 10 & 11 dimming		Output 12 dimming	Output 10 & 11 & 12 dimming		Output 11 dimming	Output 12 dimming	Output 11 dimming
17		Output 9 dimming	Output 10 dimming			Output 10 dimming		Output 12 dimming		Output 12 dimming
18		Output 9 micro dimming	Output 11 dimming			Output 11 dimming		Output 9 & 10 & 11 & 12 strobe effects		Output 7 & 8 & 9 & 10 & 11 & 12 strobe effects
19		Output 10 dimming				Output 12 dimming				
20		Output 10 micro dimming				Output 10 & 11 & 12 strobe effects				
21		Output 11 dimming								
22		Output 11 micro dimming								
23		Output 12 dimming								
24		Output 12 micro dimming								

Strobe Channel Definitions:

{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

RDM PIDs:

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

Restore Factory Default Settings:

Press and hold down both "Back" and "Enter" keys until the digital display turns off. Release the keys. The system will reset and the digital display will turn back on.
 All settings will be restored to factory default as per below:
 DMX Address Setting: A001
 DMX Address Quantity: CH12
 PWM Resolution Mode: BT16
 PWM Frequency: PF10
 Gamma: ga15
 Decoding Mode: dp1.1