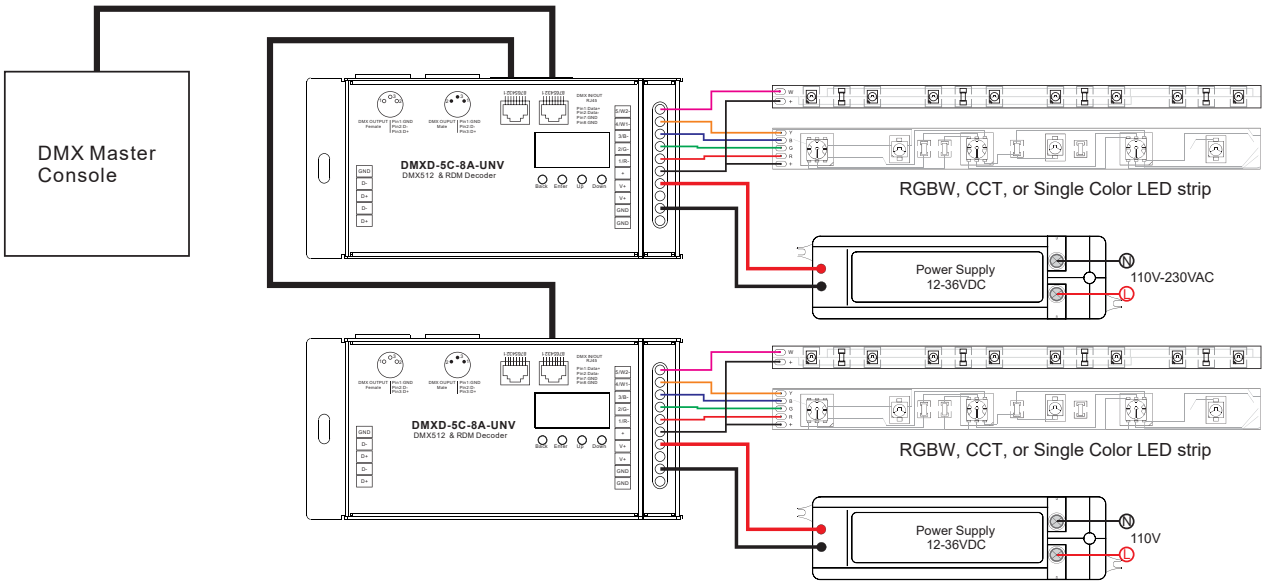
DMXD-5C-8A-UNV

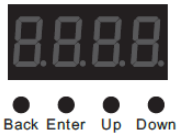
SETUP INSTRUCTIONS

1. Connect power supply, DMX signal, and LED lighting strip(s) to DMX512 decoder following the option below that best represents your lighting configuration. *Note: DMX signal can be connected via XLR, RJ45, or terminal block options following pinout assignments noted on decoder.*



2. Once all connections have been made, turn on power supply. Screen will display A.XXX When DMX signal is detected, the DMX signal indicator dot will change to red, as shown: A.XXX

3. Navigation Buttons:



- Use Up and Down to cycle through settings and adjust parameters.
- Use Enter to select setting.
- Use Back to save current setting and stop further adjustments.
- Press Back + Enter togther for 5 seconds to restore default settings.

4. DMX address setting: A.XXX
- This indicates the current DMX starting address. Press Enter and wait for display to flash. Then press Up or Down to change the DMX starting address (default factory address is 001). Press and hold Up or Down to quickly scroll through addresses.
- Press Back to confirm selection.

5. Output Channel Quantity Setting: CH XX
- The DMXD-4C-8A-UNV is set to 5-channel mode (for RGBWA) by default. To change decoder's channel configuration:

a) Press Enter and wait for display to flash. Use Up and Down buttons to set desired channel quantity.

b) Press Back button to confirm selection.

c) Based on the number of independent channels needed, the outputs will be mapped as follows:

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SETUP INSTRUCTIONS

If decoder is set to DMX address 001:

- In CH01 mode, channels 1, 2, 3, 4, & 5 = DMX address 001.
- In CH02 mode, channels 1 & 3 = DMX address 001. Channels 2,4,& 5 = DMX address 002.
- In CH03 mode, channel 1 = 001, channel 2 = 002, channel 3,4,& 5 = DMX address 003.
- In CH04 mode, channel 1 = 001, channel 2 = 002, channel 3 = 003, and channels 4&5 = 004.
- In CH05 mode, ch1 = 001, ch2 = 002, ch 3 = 003, ch4 = 004, and ch5 = 005.

Note: Multiple decoders set to the same DMX address will function in unison.

6 Refer to setup instructions of system's DMX controller for completion of setup.

Note: The DMXD-4C-8A-UNV decoder complies to standard DMX512 protocol and is compatible with any third party standard DMX512 controller.

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ADVANCED SETTINGS

QUICK REFERENCE

Ⓐ PWM Output Resolution Bit Setting
Ⓑ PWM Frequency Setting
Ⓒ Output Dimming Curve Setting
Ⓓ DMX Decoding Mode

Ⓐ PWM Output Resolution Bit Setting: bt XX

1) Press Enter and wait for display to flash. Use Up or Down buttons to choose 8 or 16-bit (default factory setting is 16-bit).

2) Press Back button to confirm selection.

Ⓑ PWM Frequency Setting: PF XX

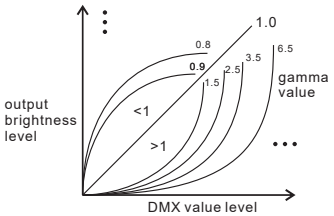
- Pulse-Width Modulation (PWM) frequency is set by this parameter with "XX" in the display representing the frequency in kHz.

1) Press Enter and wait for display to flash. Use Up or Down buttons to adjust the frequency. Options range from "00" = 500Hz to "30" = 30kHz (default factory setting is 01 = 1kHz).

2) Press Back button to confirm selection.

Ⓒ Output Dimming Curve Setting: gA XX

- The "gamma" value of the dimming curve is set with this parameter. This changes the rate at which the brightness changes at different DMX values, useful for making dimming less sensitive at the high/low end for greater precision. Human vision is more sensitive at low light levels, so values greater than 1 are most common.



a) Press Enter and wait for display to flash. Use Up or Down buttons to choose between 0.1-9.9 (default factory setting is 1.5).

b) Press Back button to confirm selection.

Ⓓ DMX Decoding Mode: dP XX

- This determines how the DMX input is processed and mapped to the outputs. Output channel settings must be configured before adjusting these DMX Decoding parameters.

1) Press Enter and wait for display to flash. Use Up or Down buttons to choose desired decoding mode (default factory setting is dp1.1).

2) See tables below to determine appropriate decoding mode.

3) Press Back button to confirm selection.

CH01

DMX Channel	Decoding Mode	
	dP1.1	dP2.1
001	Dimming all channels	Dimming all channels
002		micro-dimming all channels

(More tables on next page)

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ADVANCED SETTINGS

CH02

DMX Channel	Decoding Mode		
	dP1.1	dP2.1	dP3.2
001	Dimming output 1 & 3	Dimming output 1 & 3	Dimming output 1 & 3
002	Dimming output 2 & 4	Micro-dimming output 1 & 3	Dimming output 2 & 4
003		Dimming output 2 & 4	Master dimming
004		Micro-dimming output 2 & 4	

CH03

DMX Channel	Decoding Mode			
	dP1.1	dP2.1	dP4.3	dP5.3
001	Dimming output 1	Dimming output 1	Dimming output 1	Dimming output 1
002	Dimming output 2	Micro-dimming output 1	Dimming output 2	Dimming output 2
003	Dimming output 3, 4 & 5	Dimming output 2	Dimming output 3, 4 & 5	Dimming output 3, 4 & 5
004		Micro-dimming output 2	Master dimming	Master dimming
005		Dimming output 3, 4 & 5		Strobe
006		Micro-dimming output 3, 4 & 5		

CH04

DMX Channel	Decoding Mode			
	dP1.1	dP2.1	dP5.4	dP6.4
001	Dimming output 1	Dimming output 1	Dimming output 1	Dimming output 1
002	Dimming output 2	Micro-dimming output 1	Dimming output 2	Dimming output 2
003	Dimming output 3	Dimming output 2	Dimming output 3	Dimming output 3
004	Dimming output 4 & 5	Micro-dimming output 2	Dimming output 4 & 5	Dimming output 4 & 5
005		Dimming output 3	Master dimming	Master dimming
006		Micro-dimming output 3		Strobe
007		Dimming output 4 & 5		
008		Micro-dimming output 4 & 5		

CH05

DMX Channel	Decoding Mode			
	dP1.1	dP2.1	dP6.5	dP7.5
001	Dimming output 1	Dimming output 1	Dimming output 1	Dimming output 1
002	Dimming output 2	Micro-dimming output 1	Dimming output 2	Dimming output 2
003	Dimming output 3	Dimming output 2	Dimming output 3	Dimming output 3
004	Dimming output 4	Micro-dimming output 2	Dimming output 4	Dimming output 4
005	Dimming output 5	Dimming output 3	Dimming output 5	Dimming output 5
006		Micro-dimming output 3	Master dimming	Master dimming
007		Dimming output 4		Strobe
008		Micro-dimming output 4		
009		Dimming output 5		
010		Micro-dimming output 5		