

DMX Decoder with RDM

AL-60-03-0007-RDM



The new Alloy LED DMX Decoder with RDM has all of the great features of our current DMX Decoder (AL-60-03-0007) with the added benefit of RDM (remote device management) technology. RDM technology allows advanced DMX controllers that also support RDM to automatically manage the Alloy LED RDM Decoder.

If an installation includes a DMX controller that features RDM, you can confidently choose the Alloy LED DMX Decoder with RDM as the perfect DMX accessory to connect the Alloy LED lines of RGB, RGB-W and single-color tape lights. If your installation can use an RDM equipped controller, or you are not sure, you may still use the Alloy LED DMX Decoder with RDM as it can be managed manually without an RDM controller.

Maximum total amount of tape that can be connected to the DMX Decoder (note: observe max. run lengths for individual sections as stated on Radialux tape specification sheets):

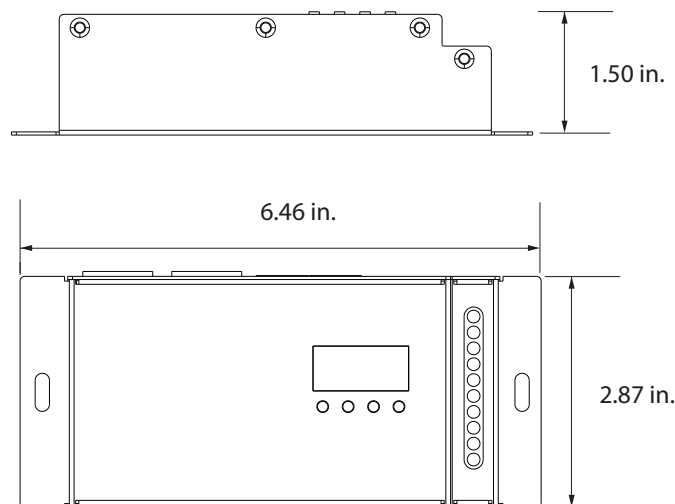
- Radialux[®] 2.2 RGB: 88 ft.
- Radialux 4.4 RGB: 41 ft.
- Radialux 4.4 RGB-W: 50 ft.
- Radialux 4.7 LP RGB-W: 41 ft.
- Radialux 5.9 RGB-W: 30 ft.
- Radialux 8.8 RGB: 20 ft.
- Radialux 8.8 RGB-W: 21 ft.



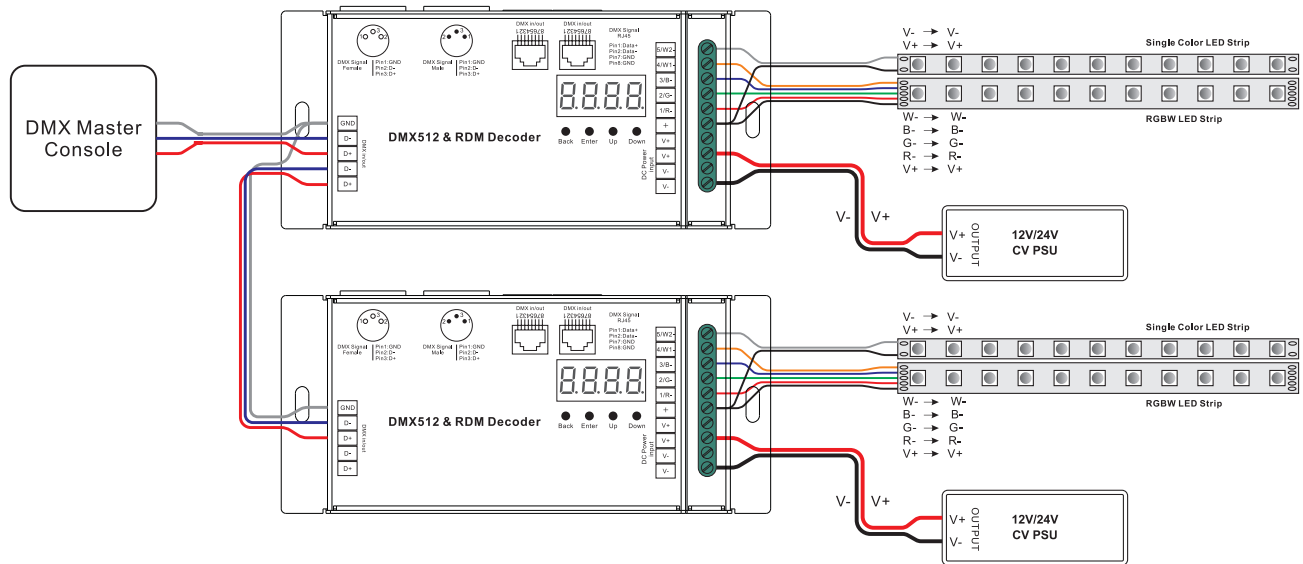
TECHNICAL INFORMATION

- Input Voltage: 12-24V DC
- Max. Wattage: 8A per channel
- Output Power: 5x (96-192W)
- Constant Voltage
- Dimensions: 6.46 x 2.87x 1.5 in.
- Power Source: 12-24V Non-Dimmable Driver

DIMENSIONS



WIRING DIAGRAM



OPERATION INSTRUCTIONS

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

Operation

Button introduction

Up, Down button is for menu selection. After power on the decoder, if keep on clicking Up button, you will find below menu on display:

DMX signal indicator ● :: When DMX signal input is detected, the indicator on the display following after turns on red .

- XXX Means DMX address. factory defaults setting is 001.
- XX Means DMX channels quantity. factory defaults setting is Ch05
- XX Means Bit (8bit or 16bit). factory defaults setting is 16bit
- XX Means output PWM frequency. factory defaults setting is 1K HZ
- XX Means output dimming curve gamma value, factory defaults setting is ga 1.5
- XX Means Decoding mode, factory defaults setting is dp1.1



By holding button Back + Enter together at the same time over 5 seconds until the display go off, it will restore default settings .

1. DMX address setting (factory default is A001):

select menu , click button "Enter", display flashes, then click or hold button "Up" / "Down" to set DMX address (click is slow, hold is fast.), then click button "Back" to confirm.

2. DMX channel quantity setting (factory default is CH05):

Select menu , click button "Enter", display flashes, then click button "Up" / "Down" to set DMX channel quantity, then click button "Back" to confirm.

For example the DMX address is already set 001.

- CH01=1 DMX address for all the output channels, which are all address 001.
- CH02=2 DMX addresses, output 1&3 is address 001, output 2,4&5 is address 002
- CH03=3 DMX addresses, output 1, 2 is address 001,002, output 3,4&5 is address 003
- CH04=4 DMX addresses, output 1,2,3 is address 001,002,003, output 4&5 is address 004
- CH05=5 DMX addresses, output 1,2,3,4,5 is address 001,002,003,004,005.

OPERATION INSTRUCTIONS (CONTINUED)

3. PWM output resolution Bit setting (factory default is bt16):

select menu **88XX**, click button "Enter", display flashes, then click button "Up" / "Down" to choose 08 or 16 bit, then click button "Back" to confirm.

4. output PWM frequency setting (factory default is PF01):

select menu **88XX**, click button "Enter", display flashes, then click button "Up" / "Down" to choose 00~30, then click button "Back" to confirm. 00=500HZ, 01=1kHz, 02=2kHz.....30=30kHz.

5. output dimming curve value setting (factory default is gA1.5):

select menu **88XX**, click button "Enter", display flashes, then click or hold button "Up" / "Down" to choose 0.1~9.9, then click button "Back" to confirm.

6. DMX decoding mode setting (factory default is dP1.1):

Select menu **88XX**, click button "Enter", display flashes, then click or hold button "Up" / "Down" to choose the decoding mode, then click button "Back" to confirm. "dPxx" means the DMX address quantity used for control of corresponding PWM output channel quantity. 1st "x" is DMX address quantity, 2nd "x" is PWM channel quantity.

Micro dimming: the micro dimming effect can only be visible when the dimming curve gamma value is set lower than 1.4, and the lower the value is, the more visible the micro dimming effect will be.

