RGBW DMX Controller

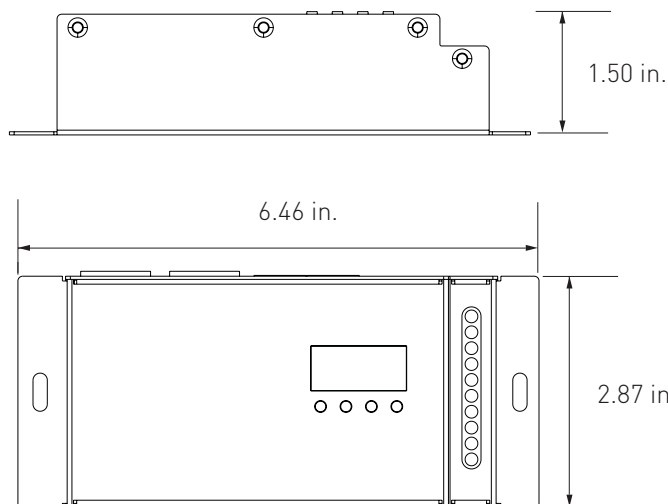## AL-60-03-0007-RDM Specification Sheet

OPTIQUE

The Optique RGBW DMX Controller translates the signals from DMX controllers such as the Nicolaudie series into the analog signals used by Optique RGBW tape lights. Optique RGBW DMX Controller includes RDM (remote device management) technology that allows advanced DMX controllers that support RDM to automatically manage it.

ℹ Technical Information

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

⊠ Dimensions

1.50 in.

6.46 in.

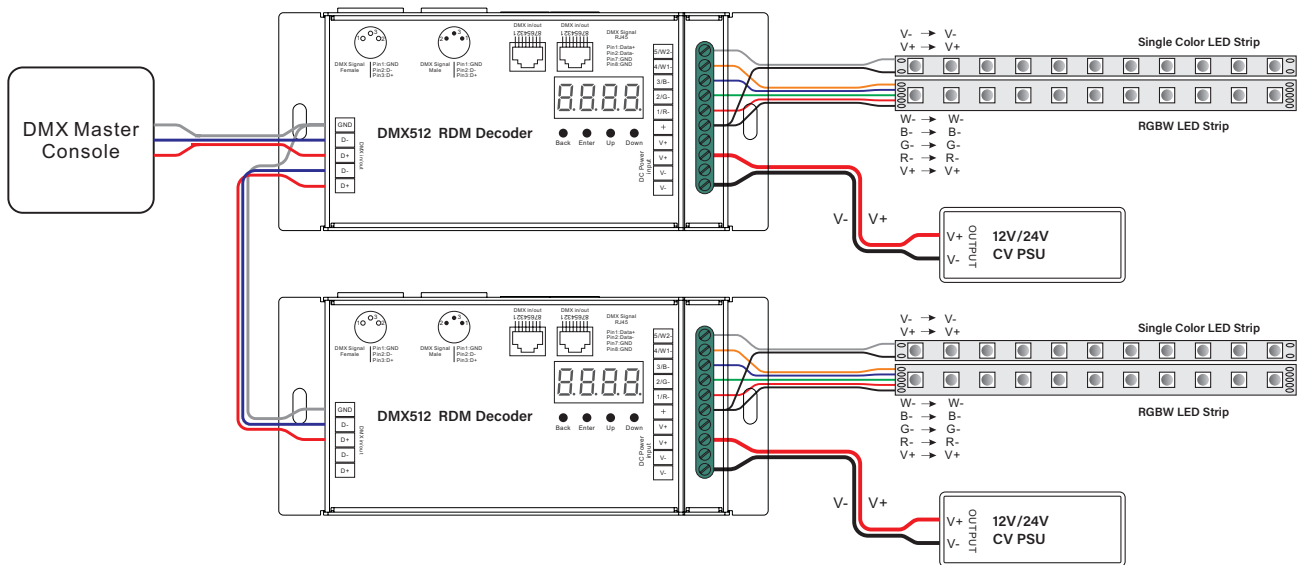2.87 in.

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Wiring Diagram


Operation Instructions

Safety & Warnings

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

Operation

Button Introduction

Up, Down button is for menu selection. After powering on the decoder, if you keep on clicking the Up button, you will find menu on display. Example to right:

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

Back   Enter   Up   Down
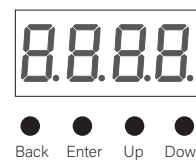
🄰.XXX   Means DMX address. Factory default setting is 001.

🄲🄷.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 down Back + Enter together at the same time over 5 seconds until display goes off, it will restore default settings.

⚒ Operation Instructions Continued

01.

DMX address setting (factory default is A001):

Select menu $\boxed{A}$.XXX , 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.

02.

DMX channel quantity setting (factory degault is CH0

Select menu $\boxed{B.B}$.XX , 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 to 001.

CH01=1 DMX address for all the output chanels, 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

03.

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

Select menu $\boxed{B.B}$.XX , click button "Enter", display flashes, then click button "Up" / "Down" to choose 08 or 16 bit, then click button "Back" to confirm.
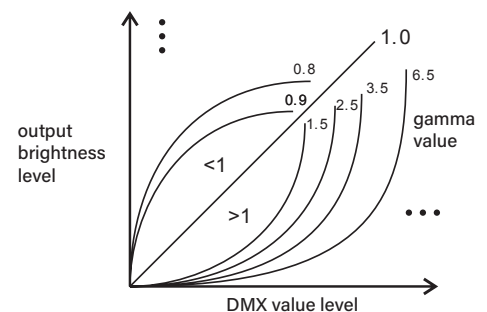
04.

Output PWM frequency setting (factory default is PF01):

Select menu $\boxed{B.B}$.XX , 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.

05.

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

Select menu $\boxed{B.B}$.XX , click button "Enter", display flashes, then click or hold button "Up" / "Down" to choose 0.1~9.9, then click "Back to confirm.

06.

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

Select menu $\boxed{B.B}$.XX , 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.