CE Certified **RoHS** compliant **UL** **12-24 VDC** **DMX** **COLOR CHANGING RGB-W** **DIMMABLE**
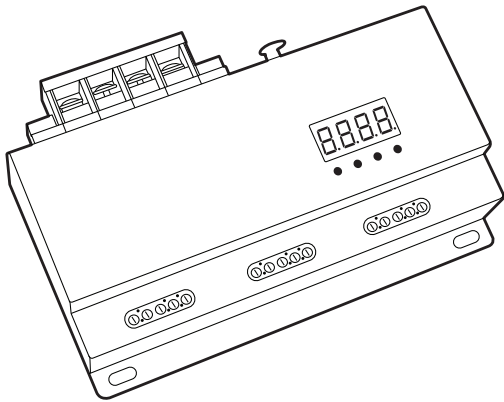
PROAV 12 CHANNEL DMX & RDM TO RGB-W DECODER
SKU: SA-CTRL-DMX-RGBW-12CH

Product Description

Solid Apollo's 12 Channel DMX512 and RDM Decoder is a heavy-duty decoder that converts DMX and RDM signal to RGB-W. Run up to three sets of RGB-W LED fixtures on 12 x 5A output channels (max 1440W at 24V DC) with control of pulse width modulation frequency, PWM resolution, dimming options, and more. Remote Device Management (RDM), an optional feature, communicates to any RDM capable console or fixture. When connected to a DMX console, the decoder works as a "slave" to decode DMX signals from the console and control LEDs. Standalone mode works perfectly as a "master" without a console. "Master" mode includes pre-saved light scenes that can be selected or adjusted for speed. This decoder is a top choice for lighting and video professionals who require perfectly smooth color changing and no noticeable refresh rate. Compared to similar products, the DMX & RDM decoder offers a larger selection of DMX Input/Output signal options including XLR3, RJ45, or screw down connectors allowing for connection to any type of DMX fixture, console, or other DMX products.
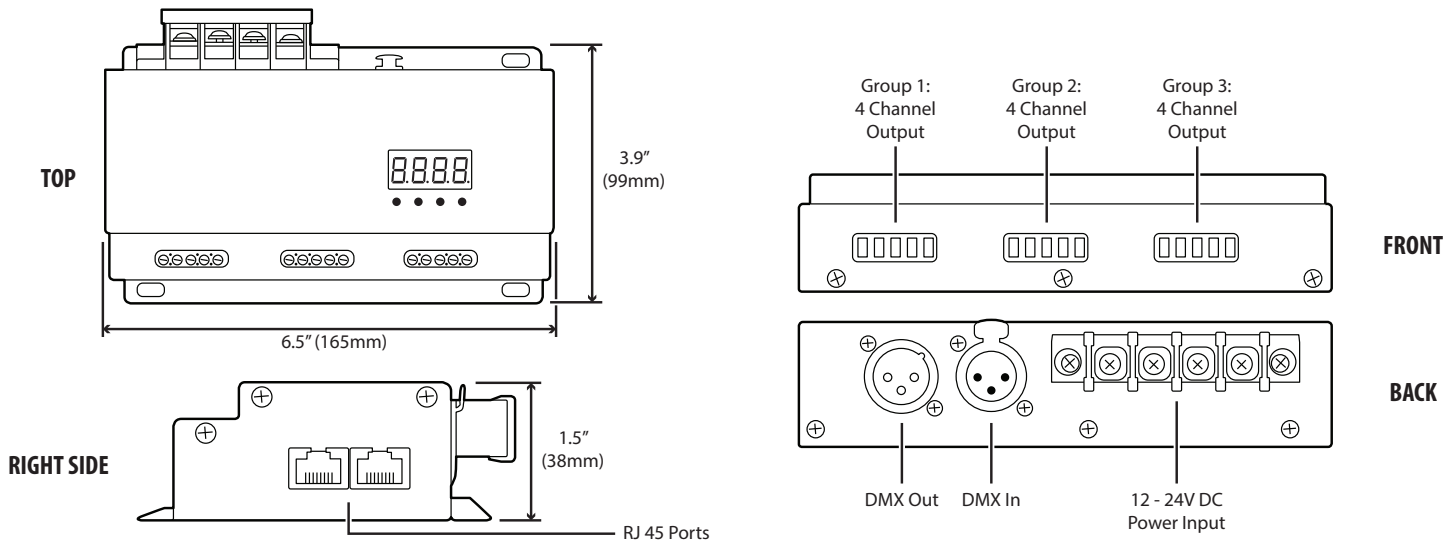
- DMX512 to RGB-W Decoder
- Great for Complete Flicker-Free Performance
- Powerful 12 X 5A Output Channels That Can Run Up to 3 sets of RGB-W Fixtures
- Maximum Power Output of 720W at 12V DC and 1440W at 24V DC
- Excellent Choice for Audiovisual Applications
- Adjustable PWM Frequency/Refresh Rate (500Hz - 30000Hz)
- Crisp numeric display for easy configuration
- Selectable 8-bit or 16-bit PWM ratios for the best output resolution
- Micro-dimming function for ultra-precise color mixing
- Adjustable Gamma Dimming Curves for your specific application
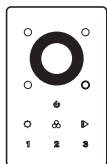- Multiple Input/output connections including RJ45, XLR, and Screw-down Terminal

Quick Spec.

• **UL Listed:**	UL Listed E477171	• **Weight:**	1.4 lb	• **RGB Channels:**	3
• **Dimmable:**	Yes	• **Dimensions:**	6.5"x3.9"x1.5"	• **DMX Channels:**	512
• **Input Voltage:**	12-24V DC	• **Control System:**	DMX512 & RDM	• **Product Color:**	Black
• **Max Power:**	1440W@24V & 720W@12V	• **PWM Refresh Rate:**	500 - 30000Hz	• **Product Material:**	Light Weight Metal
• **Max Amp:**	5A per Channel x 12	• **Dimming Curve:**	0.1 – 9.9 Gamma	• **Working Temp:**	-4 - 122F
• **Warranty:**	3 Years	• **Resolution:**	8-bit / 16-bit	• **Certifications:**	CE, RoHs, UL Listed

Technical Diagrams

TOP

3.9" (99mm)

6.5" (165mm)

RIGHT SIDE

1.5" (38mm)

RJ 45 Ports

Group 1: 4 Channel Output   Group 2: 4 Channel Output   Group 3: 4 Channel Output

FRONT

BACK

DMX Out   DMX In   12 - 24V DC Power Input

Companion Products

Duet 3 Zone DMX & Wireless RGB-W In-Wall Controller
SKU: SA-CTRL-DMX-DUET-3ZONE

Hard Wired LED Power Supply 24V-DC-100W
SKU: SA-PS-24V-4.2A-100W

RGB+Daylight White 5050 72W
SKU: SA-LS-RGB-DW-5050-300-24V