DMX Decoder
AL-60-03-0007

The DMX Decoder translates signals from DMX color controllers, such as the Nicolaudie series, into the analog signal used by Radialux™ RGB and RGB-W tape lights. This powerful decoder not only supports large installations with a clean, consistent signal, but is also easy to address with the digital interface.
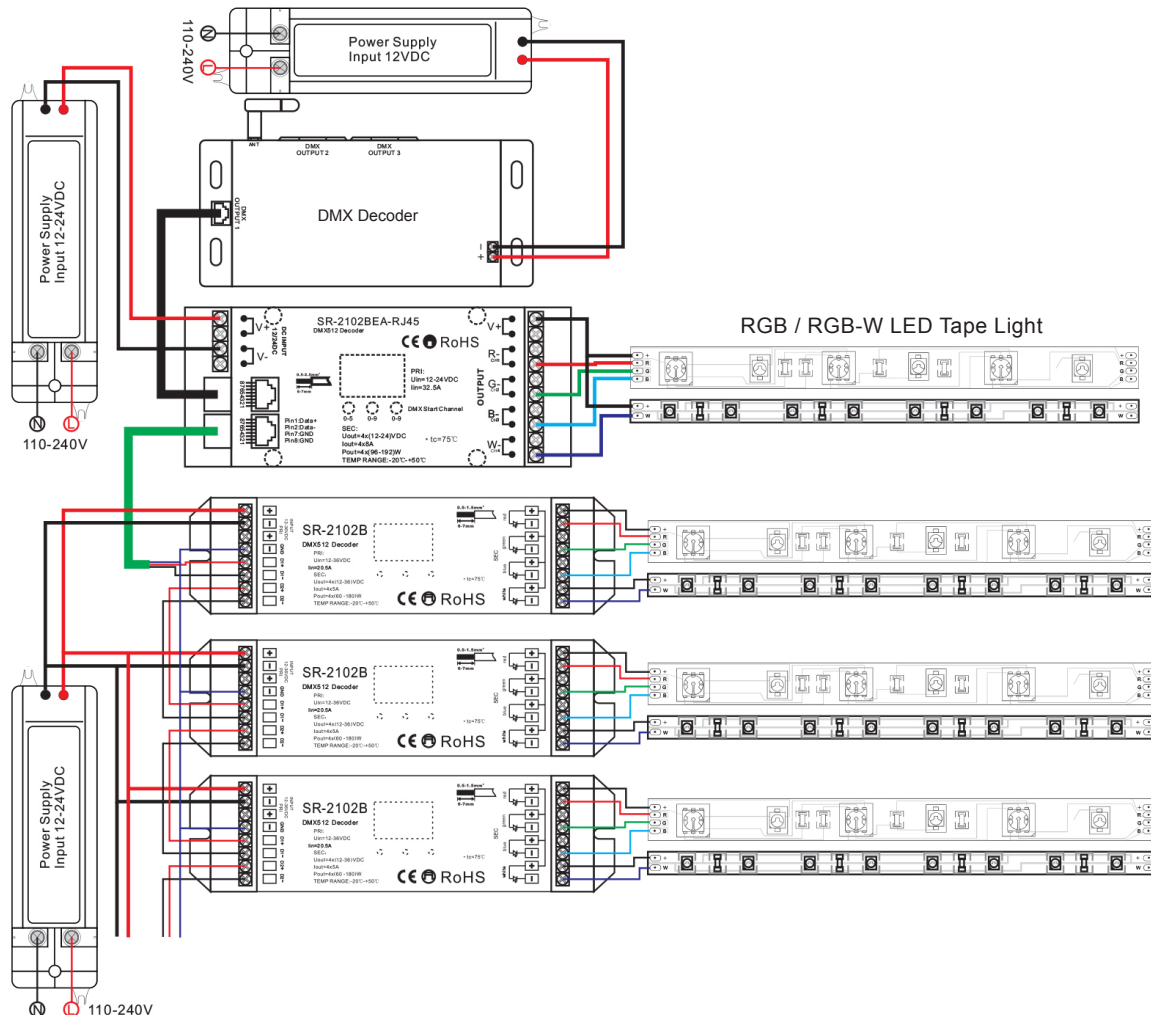

Specifications

- Input Voltage: 12-36V DC
- Max. Wattage: 8A per channel
- Output Voltage:120W (24V)
- Constant Voltage
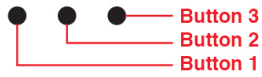- Operating Temperature: -20ºC~+50ºC, -4ºF~122ºF

Wiring Diagram

Operation

Setting DMX Decoder Address

Set the DMX Decoder address as follows; **Button 1** set ˝hundreds place˝ , **Button 2** set ˝tens place˝ , **Button 3** ˝ones place.˝ The address value cannot be more than 512.

Turn on the power of the DMX Decoder.

Choose Channel

Press **Button 1** and **Button 3** at the same time for 2 seconds, channel digital display flashes, then press **Button 1** to choose 1/2/3/4, 3 means total 3 channels, 4 means total 4 channels. Press any button for 2+ seconds to confirm the 1, 2, 3 or 4 channels. The factory preset default is 4 channels outputs.

NOTE:

When selecting one channel, set all four channels to the same address: 001.

When selecting two channels, channel one and channel three will be the same address 001, channel two and channel four will be 002.

When selecting three channels, channels 1, 2, 3 will be address 001, 002, 003, and channel 4 address is also 001

When selecting four channels, channel 1, 2, 3, 4 will be address 001, 002, 003, 004.

Set DMX address

Press **Button 1** for 2 seconds, digital display flashes to set the required DMX address, then press any button for 2+ seconds to confirm.

Choose PWM Frequency

Press 1st button and 3rd button for 2 seconds, digital display flashes to show P-c.

P means PWM frequency, press 1st to show "1", means 1500Hz, "2" means 200Hz.

c means dimming options, press 3rd to show "1", means logarithmic dimming, "2" means linear dimming.

The factory preset default is PWM frequency 200Hz with linear dimming, 2-2.

Safety & Warnings

- This product should be installed and serviced by a qualified tecnician.

- Do not expose this unit to water. When installed outdoors, ensure it is mounted in a water proof enclosure.

- Always mount this unit in an area with proper ventilation to avoid overheating.

- Never connect any cables while power is on. Before switching on, ensure connections are correct to avoid short circuits.

Troubleshooting

- Check if the output voltage of any LED power supplies used comply with the working voltage of the product.

- Ensure that all cable connections are secure.