

XD3-10600-RJ

DMX Decoder/Driver

Product Features

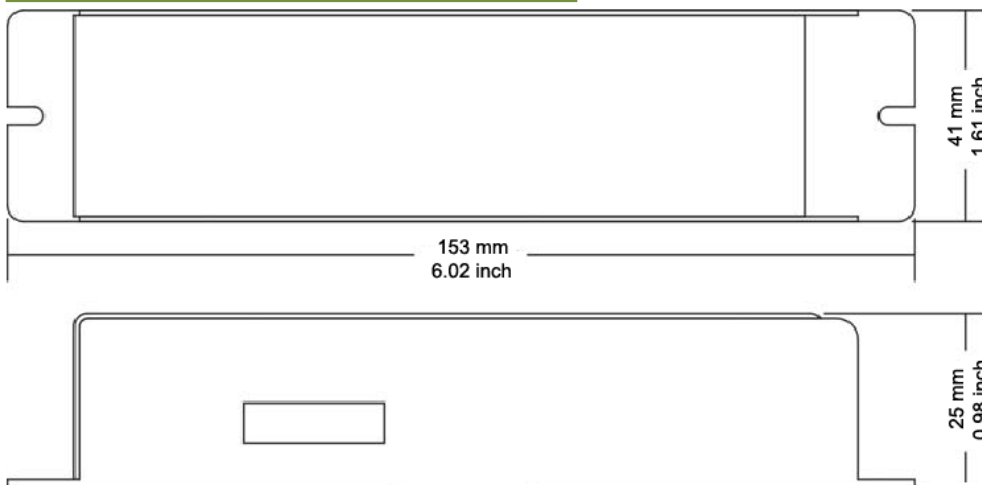
- 1-channel output, 6A MAX.
- 256 grey level changes and full-color control.
- Meets DMX512(1990) International Standard.
- Set DMX address with DIP Switches.
- Supports analog 0-10V dimmer (Source) input.

Product Specifications

- Output Current 6A * 1-Channel
- Input Signal DMX-512/1990 digital signal
- Output Signal maximum 6A
- Input Voltage Range (Vin) 12 - 24VDC
- Power Consumption w/o Load < 1W
- Output Power (Pout) Max: 72W@12V; 144W@24V
- Operating Temperature 0-70°C
- Product Dimensions (L)153 x (W)41x (H)25 (mm); (L)6.02 x (W)1.61 x (H)0.98(inch)
- Gross Weight 222grams

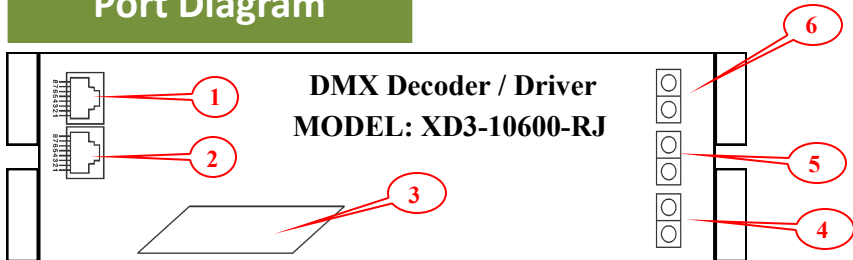


Dimensions



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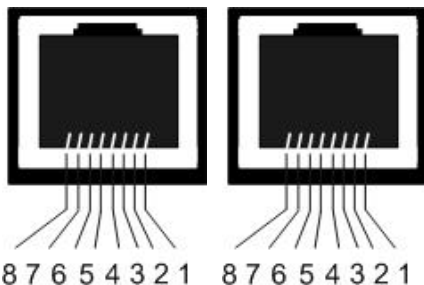
Port Diagram



- ① DMX signal input port (RJ45).
- ② DMX signal output port (RJ45).
- ③ DMX Address DIP switches.
- ④ 12VDC Input Port.
- ⑤ 12VDC output port to LEDs.
- ⑥ Analog 0-10V dimmer (Source) input port.

DMX Signal Ports:

- 1: DATA+.
- 2: DATA-.
- 3-6: NC.
- 7-8: GND



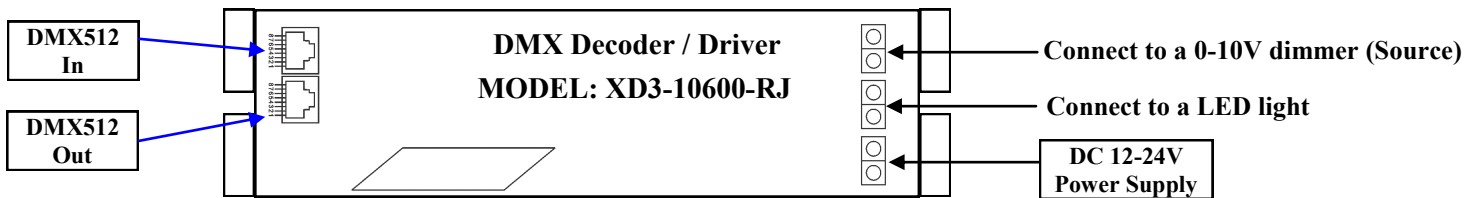
DMX Series Address Code Table:

Zone	DIP Switch Settings										Comment
	1	2	3	4	5	6	7	8	9	10	
1	1	0	0	0	0	0	0	0	0	0	Binary 000000001 = address "1"
2	1	0	1	0	0	0	0	0	0	0	Binary 000000101 = address "5"
3	1	0	0	1	0	0	0	0	0	1	Binary 000001001 = address "9" Last zone-termination (DIP 10) = "ON"

- **Input Power port:** DC 12-24V input supplies power for the decoder and the connected lights.
- **Output ports (1-Channel):** One V+ port and one V- output port can be connected to single-color modules; Automatically adjusts output current to module load requirements, with 6A maximum per channel.

Typical Applications

Circuit Diagram:



Connection of DMX-512 Signal:

The DMX cable is a CAT 5 networking cable. The DMX signal has "+" and "-" polarity. Please pay attention when making the connections. Correct connection of the "+" wire, "-" wire and "ground" wire from a DMX512 controller to the corresponding input ports of XD3-10600-RJ is critical for proper operation.

Connection of 0-10V Dimmer:

When the driver connects to a 0-10V analog dimmer (Source), if there is any DMX signal input, it will automatically switch to DMX dimming; It will switch back to analog dimming when the DMX signal has been disconnected.

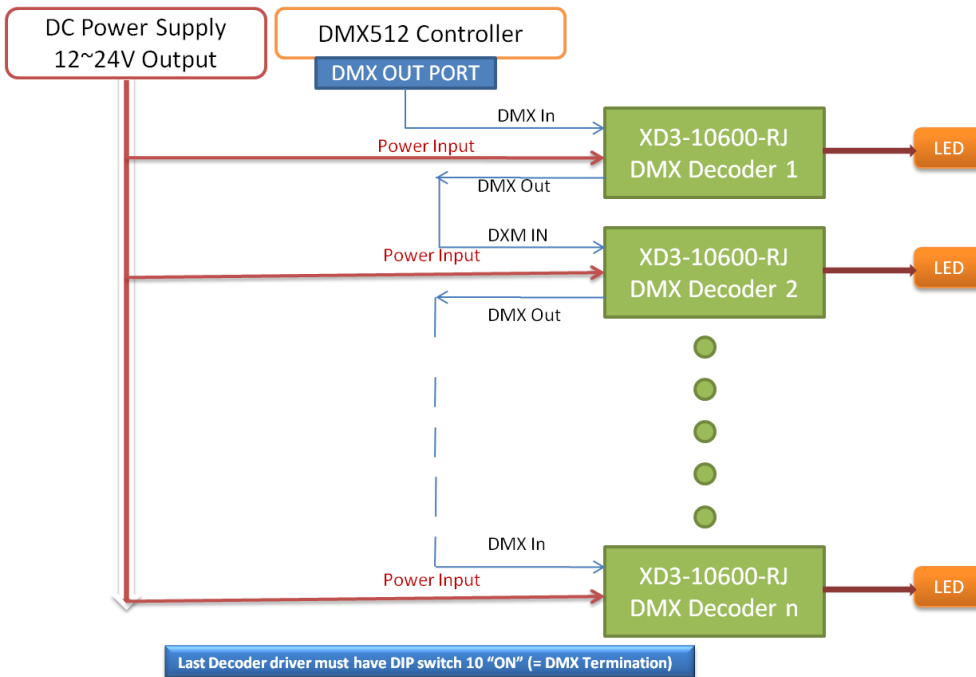
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Usage

XD3-10600-RJ RGB Decoding driver is controlled by a DMX-512 digital signal. It is connected to a DMX-512 controller. Its analog 0-10V dimmer input port can be connected to a 0-10V analog signal equipment.

Connection of DMX-512 Signal Example:



Notes:
1. n is the maximum number of available addresses per output.
2. All above parameters are dependent on controller used.

Connection of 0-10V Dimmer Example:

