

XD6-30500-RJ

DMX Decoder/Driver

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Product Features

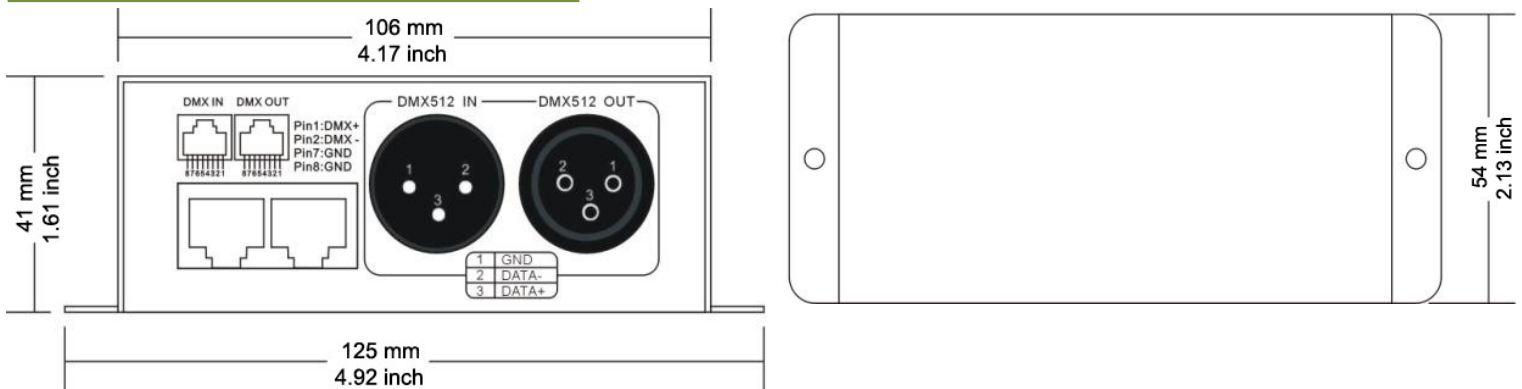
- 3-channel output, 5A MAX.
- 256 grey level changes and full-color control.
- Meets DMX512(1990) International Standard.
- Set DMX address through DIP Switches.
- Good anti-interference performance.

Product Specifications

- | | |
|-----------------------------|---|
| • Channels | 3 x 5A Max. |
| • Input Signal | DMX-512/1990 digital signal |
| • Input Voltage Range (Vin) | 6 to 24VDC |
| • Output Voltage | 0 to Vin |
| • Output Power (Pout) | ≤ 360W at 24VDC input |
| • Operating Temperature | 0-70°C |
| • Product Dimensions | (L)125 x (W)54 x (H)41 (mm); (L)4.92 x (W)2.13 x (H)1.61 (inch) |
| • Packing Dimensions | (L)136 x (W)66 x (H)47 (mm); (L)5.35 x (W)2.60 x (H)1.85 (inch) |
| • Net Weight | 256 grams |
| • Gross Weight | 344 grams |

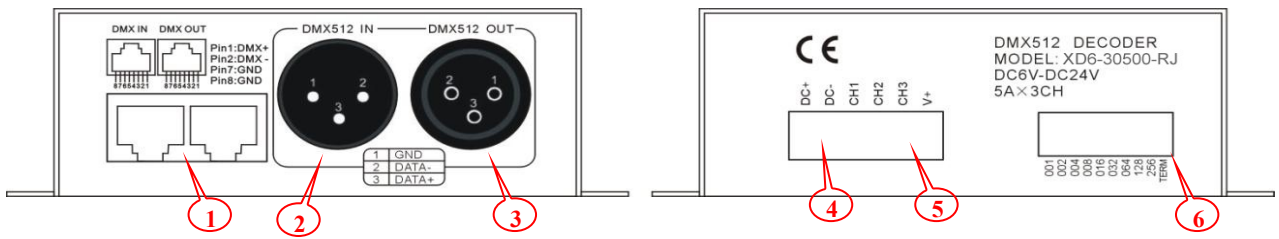


Dimensions



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Port Diagram

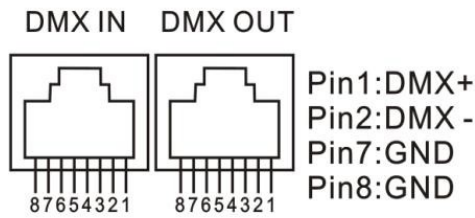


- ① DMX signal RJ45 connectors.
- ② XLR-3 DMX input connector.
- ③ XLR-3 DMX output connector.
- ④ Power input port.
- ⑤ Driver output terminals.
- ⑥ DMX Address setting DIP switch.

DMX Channels
 CH1: DIP switch setting
 CH2: CH1 + 1
 CH3: CH2 + 2

XLR-3 DMX Signal Connector:

- 1: GND
- 2: DATA+
- 3: DATA-



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 00000001 = address "1"
2	1	0	1	0	0	0	0	0	0	0	Binary 00000101 = address "5"
3	1	0	0	1	0	0	0	0	0	1	Binary 00001001 = address "9"

Last zone-termination (DIP 10) = "ON"

Notes:

- 4-Pin Common anode full-color modules are connected between the output "V+" terminal and corresponding RGB terminals on the decoder's output ports.
- Single-color modules are connected Anodes to output "V+" terminal. Then according to the module color, connect the Cathode "-" wire to the corresponding RGB terminal on the decoder's output ports. If several different Single-color modules are to be connected to the same decoder, then all their Anode "+" wires must be connected to the "V+" terminal of the decoder's output port.

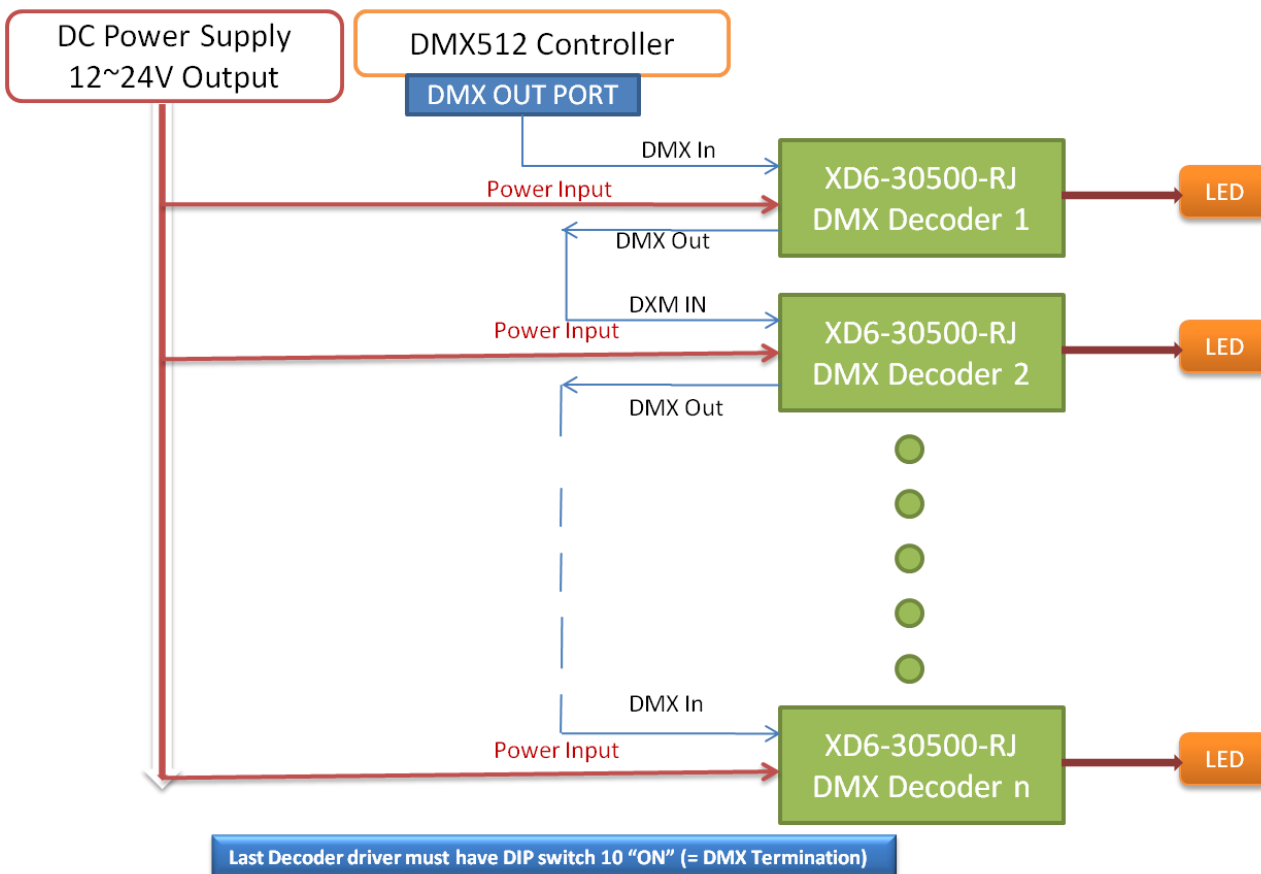
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Usage

XD6-30500-RJ RGB Decoding driver is controlled by a DMX-512 digital signal. Its DMX input port is connected to a DMX-512 controller.

Connection Example:



Notes:

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

Connection of DMX-512 Signal:

- The DMX signal has "+" and "-" signals. Please pay attention to polarity when making the connections. Correct connection of the "+" wire, "-" wire and "ground" wire from a DMX512 controller to the corresponding input ports of XD6-30500-RJ is critical for proper operation.