

XD3-30300

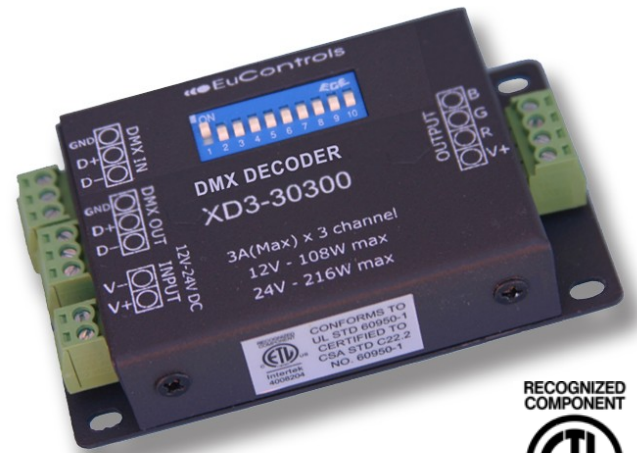
DMX Decoder/Driver

Product Features

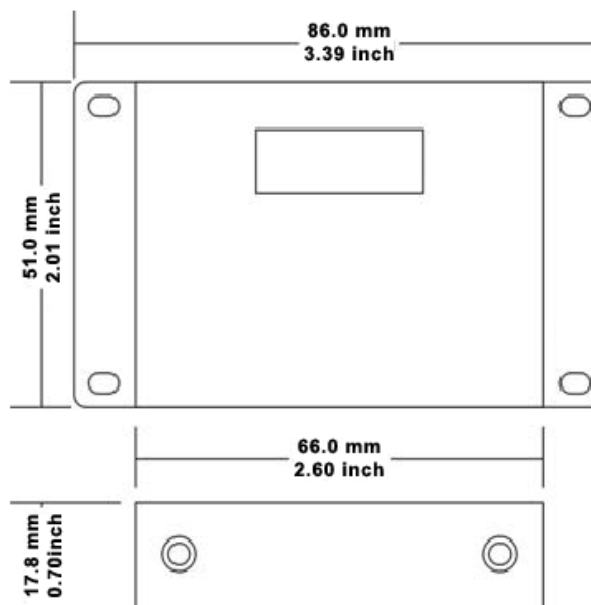
- Meets DMX512(1990) International Standard.
- 256 grey level changes and full-color control.
- 3-channel output, 3A MAX per channel.
- Controls lights with 1-3 base colors.
- Set DMX address through DIP Switches.
- ETL certified to be compliant to widely accepted product safety standards.

Product Specifications

- | | |
|--------------------------|---|
| • Input Voltage | 12-24VDC |
| • Max. Output Power | 108W(12V), 216W(24V) |
| • Output Channel | 3 |
| • Transmission Interface | DMX512 (1990) |
| • Output Voltage | 0-12/24V |
| • Max. Output Current | 3A/channel |
| • No-load Power Loss | < 1W |
| • Operation Temperature | 0-50°C |
| • Dimensions | (L)86 x (W)51x (H)18 (mm), 3.39 x 2.01 x 0.7 (inch) |
| • Weight | 110g |



Dimensions



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Operation Instructions

Back Panel

- ① DMX512 signal input connector.
- ② DMX512 signal output connector.
- ③ Power input port.
- ④ Address setting DIP switch.
- ⑤ Driver output port.

Output Ports

DMX512 signal Connector:



Input and output interface can be interchangeable.

DMX Series Address Code Table:

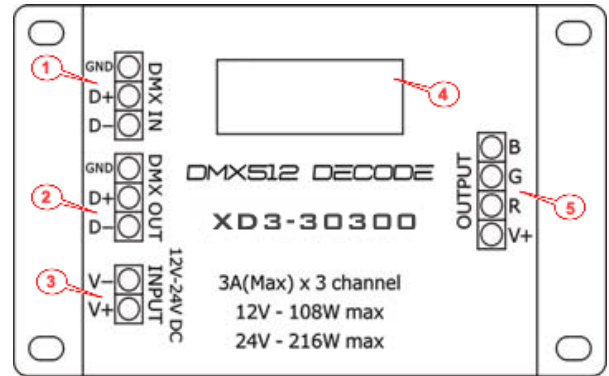
Zone	DIP Switch Settings										Comment
	1	2	3	4	5	6	7	8	9	10	
1	1	0	0	0	0	0	0	0	0	0	Binary 000000001 = address "1"
2	1	0	1	0	0	0	0	0	0	0	Binary 000000101 = address "5"
3	1	0	0	1	0	0	0	0	0	1	Binary 000001001 = address "9"

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

- **DMX Address setting DIP switch:** Please see "DMX Series Address Code Table".
- **Input Power port:** DC 12-24V input supplies power for the decoder and the connected lights.
- **Output ports (3-Channels):** Common anode driver with a V+ and 3-channel RGB output can be connected to various full-color modules or single-color modules; Automatically adjusts output current to module load requirements.

Remarks:

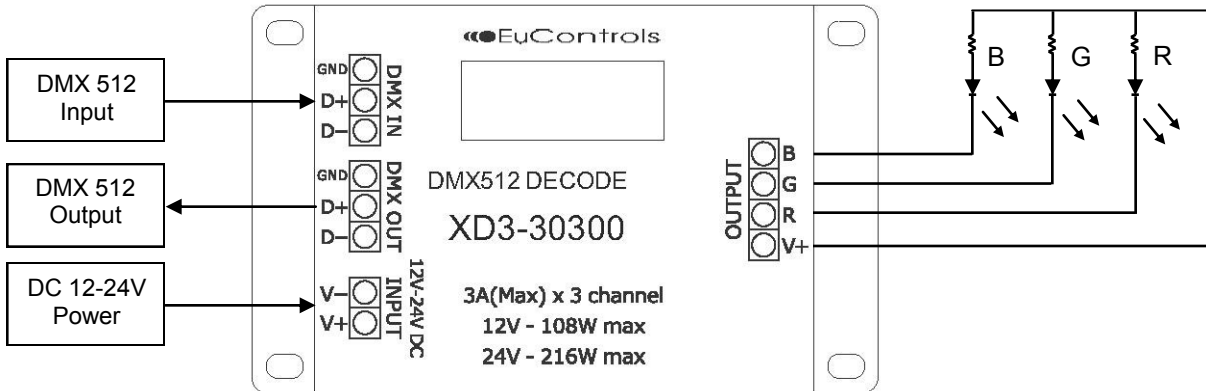
- 4-Pin Common anode full-color modules are connected between the output "V+" terminal and corresponding RGB terminals on the decoder's output ports.
- Single-color modules are connected Anodes to output "V+" terminal. Then according to the module color, connect the Cathode "-" wire to the corresponding 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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Typical Applications



Connection of DMX-512 Signal:

- The DMX cable is a shielded twisted pair cable (Phone Handset Cable) or 3-core cable. 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 XD3-3300 is critical for proper operation.
- DMX signal terminator must be used for the last device on a controller port. (DIP switch position 10 will provide this termination if placed in the "on" position).