EuControls
COLORS AND LIGHTS UNDER YOUR CONTROL

XD3-30600
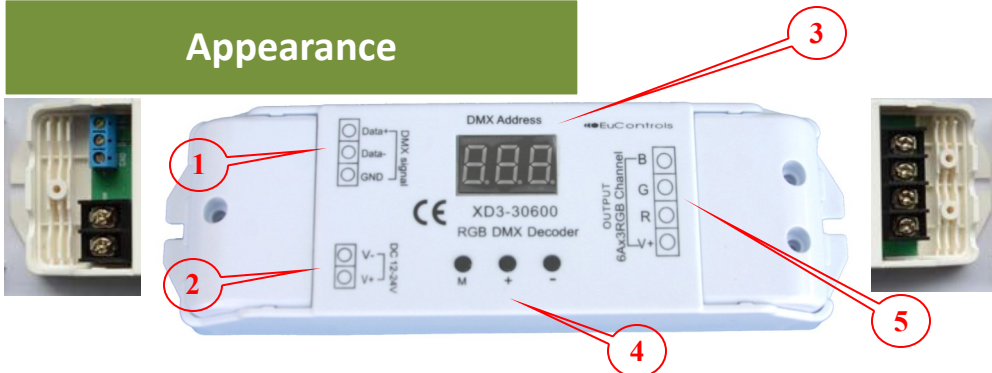## DMX Decoder/Driver

Product Features

- Meets DMX512(1990) International Standard.
- 256 grayscale level changes and full color control.
- 3-channel output, 6A MAX per channel.
- Controls lights with 1-3 base colors.
- Set DMX address through the key buttons.
- Uses smooth logarithmic dimming curve.
- DMX signal detection and indication function can distinguish states of DMX signals (normal, pause, errors), and compile, debug and maintain DMX signals.

Product Specifications

- Channel (s)   3
- Input Signal   DMX-512/1990 digital signal
- Output Power (Pout) $\leq$ 432W @ 24VDC Input; $\leq$ 216W @ 12VDC Input
- Input Voltage Range (Vin)   12 to 24VDC
- Power Consumption w/o Load   < 1W
- Output Current   Maximum 6A (Each Channel)
- Operating Temperature   -20 to +50℃
- Product Dimensions   (L)168 x (W)51 x (H)22 (mm); 6.61 x 2.01 x 0.87 (inch)
- Weight   160grams

Appearance

① DMX512 signal input and output terminals.
② Power input port.
③ LED display of DMX address.
④ Mode and address setting buttons.
⑤ Output terminals to LEDs.

Specifications subject to change without notice

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Ports Instructions

- **DMX Signal Ports:**

Please pay special attention to the polarity of DMX signal connection. A reverse connection will result in the following error messages:
1. DMX signal cable is not connected properly: present address and "---" will be shown on LED readout every 2 second.
2. DMX signal is paused: present address and "P" will be shown on LED readout every 2 second.
3. DMX signal is normal: LED shows the present address only.

- **Power Input Port:**

DC 12-24V input supplies for decoder and all lights that are connected.

- **Address Setting Buttons:**

Address code can be automatically stored when power is off. The last stored address code will be automatically recovered when power is on again.
1, Key "M": lock or unlock address code. Normally, an address code cannot be changed. Press and hold Key "M" for 3 seconds, there will be a comma showing on LED. That means the decoder is unlocked and the address can be changed. Then, go to step 2 or 3 to change the address. After an address has been changed, press and hold Key "M" for 2 seconds or do not touch any key for 5 seconds, the comma on LED will be disappeared. That means the decoder DMX address is locked.
2. Key "+": Go to next address. Click this key will set the decoder to next address by adding 1 to current address code. Press and hold this key will change the address code more quickly and shorten the setting time. The last address is 511.
3. Key "-": Go to previous address. Click this key will set the decoder to previous address by subtracting 1 from current address code. Press and hold this key will change the address code more quickly and shorten the setting time. The first address is 0.

- **Output ports:**

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:
- 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.