WATERPROOF DMX512 DECODER
User Manual

（Please read through this manual carefully before use）

1. Brief Introduction

Thanks for choosing the Waterproof DMX512 Decoder, The WATERPROOF Decoder is designed via advanced microchip technology to convert the universal standard DMX512/1990 signal into analog signal, it allows user to choose 1~3 output channel, 256-level brightness control, max 512 output channels. This compact decoder connects to light console, analog device and various Led terminal products such as RGB Led lamps, RGB Led tubes, building lamps, LED wall washers or lighting and other compatible devices allowing its user to create endless possibilities of light shows.

2. Specifications

Model	Waterproof DMX512 Decoder
Input voltage	DC12V~DC24V
Max load current	4A/CH×3
Driving LEDs	144W/288W(12V/24V)
Output Scale level	256 levels
Input signal	DMX512/1990
Output signal	3 constant voltage channels
Output DMX Channel	3Chs or 4Chs（4th CH is shutter strobe）
DMX512 socket	Waterproof ×LR-3R
Dimension	L125×W52×H40mm
Package Size	L135×W70×H50mm
Weight (G.W)	300g

3. Basic Features

1. In put standard DMX512 protocol.
2. Automatically adapt input voltage DC12V-24V.
3. 3 output channels, 256 scale each, RGB driving control.
4. Auto run mode when no DMX signal input.
5. Max output 3A each channel.
6. Power loss memory function.

4. Safety warnings

Please don't install this controller in lightening, intense magnetic and high-voltage fields.
1. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection
2. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperature.
3. Check if the voltage and power adapter suit the controller
(please select DC12-24V power supply with constant voltage)
4. Don't connect cables with power on; make sure a correct connection and no short circuit checked with instrument before power on.
5. Please don't open controller cover and operate if problems occur.
The manual is only suitable for this model; any update is subject to change without prior notice.

5. Installation and usage

1. picture of the terminals

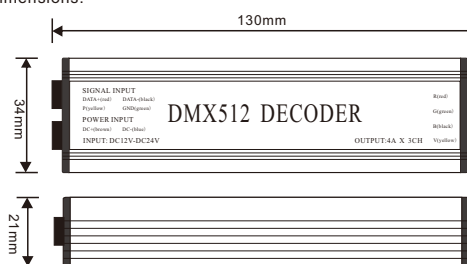(DMX Signal Left, Power input Right) Input Port

Output Port(R,G,B,Anode)

2. Lable for the decoder

SIGNAL INPUT
DATA+(red)   DATA-(black)
P(yellow)   GND(green)
POWER INPUT
DC+(brown)   DC-(blue)
INPUT: DC12V-DC24V   OUTPUT:4A X 3CH

R(red)
G(green)
B(black)
V(yellow)

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P is for address writing

3. Dimensions:

130mm

34mm

21mm

SIGNAL INPUT
DATA+(red)   DATA-(black)
P(yellow)   GND(green)
POWER INPUT
DC+(Brown)   DC-(Blue)
INPUT: DC12V-DC24V   OUTPUT:4A X 3CH

R(red)
G(green)
B(black)
V(yellow)

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4. Decoder address setting

This decoder occupies 3 addresses, only can be set by our DMX512 Addresser. You can set the address easily by pressing the buttons on the addresser.

6. After-Sales

From the day you purchase our products within 3 years, if being used properly in accordance with the instruction, and quality problems occur, we provide free repair or replacement services except the following cases:
1. Any defects caused by wrong operations.
2. Any damages caused by inappropriate power supply or abnormal voltage.
3. Any damages caused by unauthorized removal, maintenance, modifying circuit, incorrect connections and replacing chips.
4. Any damages due to transportation, breaking, flooded water after the purchase.
5. Any damages caused by earthquake, fire, flood, lightning strike etc force majeure of natural disasters.
6. Any damages caused by negligence, inappropriate storing at high temperature and humidity environment or near harmful chemicals.
7. Product has been updated.