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## 1．Brief Introduction

 Introducing our DIN Rail DMX 512 Decoder－designed for constant voltage LED lights．This decoder employsadvanced micro－computer control technology，seamlessly converting standarad DMX512／1990 signals into precise PWM signals．With the flexibility to select between 1 to 4 output channels and an impressive range of
4096 Grey Scales，this device is the perfect fit for your lighting needs． 2．Specifications

4 CH Constant Voltage Decoder／RJ45
－Input Voltage： $\mathrm{DC} 12 \mathrm{~V}-24 \mathrm{~V}$
－Outout Curent． $6 \mathrm{~A} \times 4 \mathrm{CH}$
－Output Current： $68 \times 4 \mathrm{CH}$ W
－Grey Scale： $4096 \times 4$
－Input Signal：DM×512／1990
－OUtput Signal：Constant Voltage PWM
－Deocode hamnel： 4 CH
－Duvsir

－Dimension：L111 $\times$ W46 $\times$ H666｜
－Weight｜G：W）： $1389 / 1339$

## 5．Dimensions <br> 

6．Operating instructions
The decoder has 3 keys，respectively $M,+,-;$ ； long press＇

| $M$ | Change order in 3 digital display |
| :--- | :--- |
| + | Increase value |
| - | Decrease value |

Three－digital－display indicates the current setting value；different value indicates different operating
status．Three－digital－－display goes off without operation for 30 seconds status．Three－digital－display goes off without operation for 30 seconds，press any key to turn it on．When
it is overload or short－circuit，the decoder will automatically stop output，LED display shows：＂ERR＂，a

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The decoder has an automatic key lock．If no settings are made to the decoder，the key lock
function is activated after approximately 15 seconds automatically．Pressing M button for about function is activated after approximately 15 seconds automatic
seconds to deactivated．subsequently，the decoder can be se

## FTM．

The decimal point of last digital of the display tube will twinkle regularly when receives DMX512 signal
normally．When no signal is received，the decimal point does not twinkle，and showing current DMX address．

## 7．Wiring Indication

Use terminal block
1）Wiring diagram of Master Mode：（Only one decoder is allowed to work as a master）


Use RJ45：
1）Wiring diagram of Master Mode：（Only one decoder is allowed to work as a master）


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## 3．Basic Features

1．Automatically adapts input voltage DC12V－24V
2．Input standard DMX512 signal： 3 －digitala－cisplay shows DMX address code．
3． 4 channels output； 4096 grey scales each：logarithmic dimming：lamplight soff \＆stable without strobe flash ．DMX Master mode，slave mode available．
Indicator of the DMX512 signal receiving status scales
7．Power loss memory function．
8．Wrong wiring protection at $D M \times$ port，over current protection and short circuit protection

## 4．Safety warnings

1．To ensure your safety and product properly usage，please read the user manual carefully．
2．To avoid installed the product in minefield，stong magnetic field and high voltage area．
3．To ensure the wiring is correct and firm avoiding short circuit damages to components and cause fire．
4．Please instal the product a a well ventilated area to ensure appropriate temperature environment．
4．Please install the product in a well ventilated area to ensure appropriate temperature environment．
5．The product must be worked with DC constant voltage power supply
Please check the consistence of input power with the product，if the output voltage of the power
comply with that of the product．
comply with that of the product．
then power on．

＊520－599，First two digital indicate the modes，the third one shows the speed． 10 speed levels，from 0－9

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$\underset{\text { Mode }}{\square}$
Speed for Program $520-589$（Color Changing Fading Mode）for one step and not for the whole
program：
$0=0,5 \mathrm{sec}$ ． $\mid 1=1 \mathrm{sec}$ ． $\mid 2=2 \mathrm{sec}$ ． $\mid 3=3 \mathrm{sec}$ ． $\mid 4=5 \mathrm{sec}$ ． $\mid 5=10 \mathrm{sec}$ ． $\mid 6=15 \mathrm{sec}$ ． $\mid 7=30 \mathrm{sec}$ ． $\mid 8=60 \mathrm{sec}$ ． $\mid \quad 10$
120 sec
 $0=0,02 \mathrm{se}$.
$9=15 \mathrm{sec}$.

2）Wiring diagram of Slave Mode：


2）Wiring diagram of Slave Mode：


## 8．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 fre e epaii or replacement services except the following cases：
．Any defects caused by wrong operations．
2．Any damages caused by inappropriate epower 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．lighning strike etc force
disasters
b．Any da
Any damages caused by negligence，inappropriate storing at high temperature and humidity

