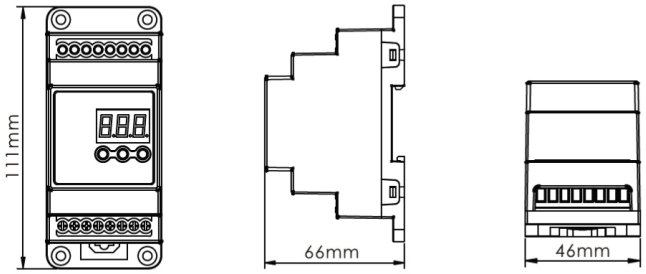
IMPACT LIGHTING INC
THE ART OF INNOVATION

IL-DMX-512-4-CH-CVD

4 CHANNEL CONSTANT VOLTAGE DECODER

DIMENSIONS:



OVERVIEW:

The DMX-512-4-CH-CVD Constant voltage DMX 512 Decoder, developed specifically for constant coltage LED lamps has adopted advanced micro-computer technology to transfer a standard DMX/512/1990 signal to a PWN signal. The user can choose 1-5 output channels and advanced dimming. This decoder can be used as a DMX master or as a DMX decoder.

SPECIFICATIONS:

Input Voltage	DC12V ~ DC24V
Output Current	6A x 4CH
Output Power	288W/576W (12V/24V)
Output Scale Level	4096 x 4
Input Signal	DMX512/1990
Output Signal	Constant Voltage PWM
Output DMX Channel	4CH CV PWM
DMX512 Socket	Green Terminal RJ45
Dimensions	L 4.4(111mm) x W 1.8" (46mm) x 2.6" (66mm)
Weight (G.W.)	138g/133g

FEATURES:

1. Automatically adapts input voltage to DC12V-24V
2. Input standard DMX512 signal; 3 digital display shows DMX address code
3. 5 channel output, advanced dimming and steady color
4. DMX master mode or slave mode available
5. Built-in 8 color changing modes and 10 speed settings
6. DMX digital display
7. Power loss memory function
8. DMX port overcurrent protection
9. Short circut surge protection
10. DIN rail design ideal for large scale projects

OPERATING INSTRUCTIONS:

The decoder has 3 keys M + -
Long Press "M" for 2 seconds to enter

M	Change Order in Display
+	Increase Value
-	Decrease Value

- Press any key to turn on display.
- Three digital display indicates the current setting and automatically turns off after 30 seconds.
- If there is a short circuit or overload the display will show **ERR** *(as shown below)*

The decoder has an automatic key lock. If no settings are made to the decoder withing 15 seconds the decoder will automatically lock.
Press and hold the M button for 2 seconds to unlock and enter your settings

1. DMX SLAVE MODE: 001-512

Decimal will blink when receiving a DMX signal

The decimal after the last digit will blink when the decoder is receiving a DMX 512 signal. If no signal is received the display will show the current DMX address and the decimal remains steady.

ATTENTION:

1. The product shall be installed and serviced by a qualified person.
2. This product is non-waterproof. Avoid the sun and rain. When installed outdoors please ensure it is mounted in a waterproof enclosure.
3. Good heat dissipation will prolong the working life of the controller. Ensure good ventilation.
4. Check if the output voltage of any LED power supplies used comply with the working voltage of the product.
5. Ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Also ensure that the cable is secured tightly in the connector to avoid the accidents due to overheat and poor contact on the wire.
6. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
7. If a fault occurs return the product to your supplier. Do not attempt to fix the product by yourself.

IMPACT LIGHTING
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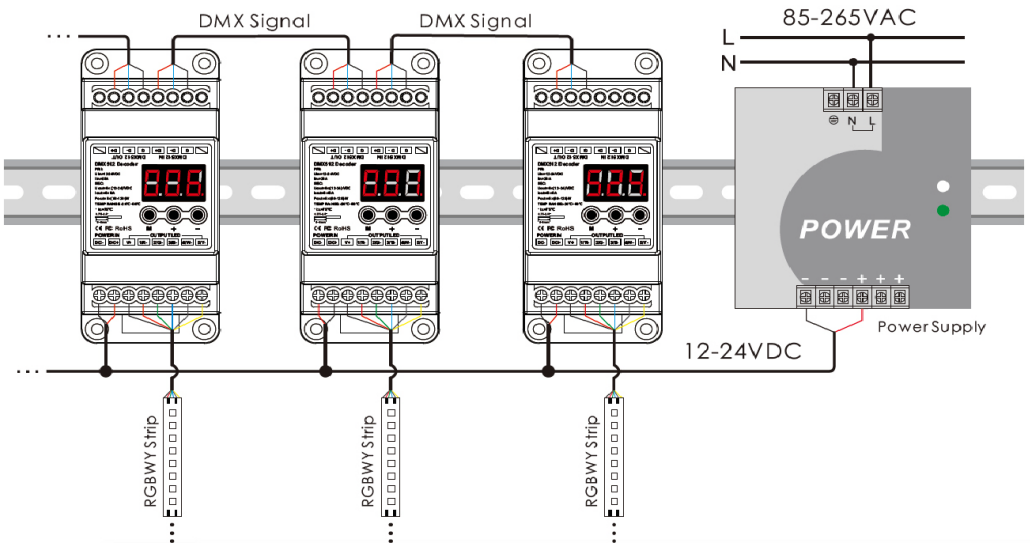
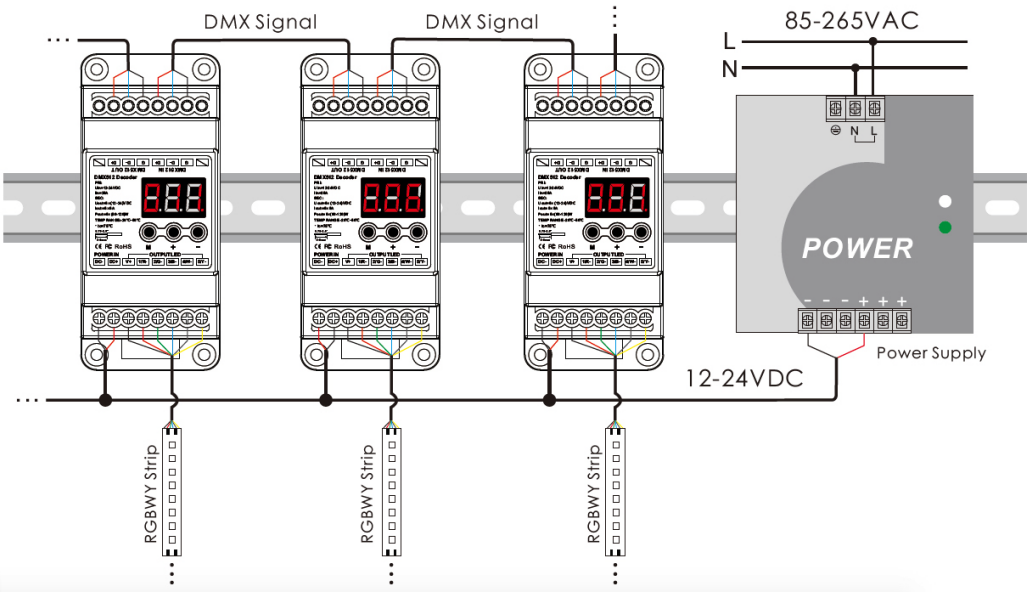
DMX-512 4 CHANNEL DECODER

USER MANUAL

WIRING DIAGRAM: Master Mode (only one decoder can be assigned as a master)



WIRING DIAGRAM: SLAVE Mode



WARRANTY:

3 Year warranty from the day of purchase. If product malfunctions after being properly used in accordance with instructions we will repair or replace if necessary.

Warranty excludes damage from the following conditions:

1. Improper connection or wiring
2. Inappropriate power supply or abnormal voltage
3. Unauthorized removal, maintenance, modifying the circut, incorrect connections or replacing chips.
4. Transportation or water damage
5. Natural disasters, earthquake, fire, flood, lighting strike, or any other force majeure of natural disasters.
6. Negligance, inappropriate storage in high temperature and/or humidity, or near harmful chemicals.

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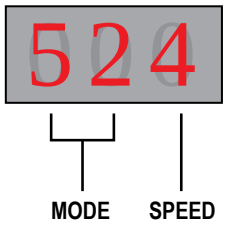
DMX-512 4 CHANNEL DECODER

USER MANUAL

DMX MASTER MODE PRESET CODES:

000	**ALL Channels to 100%**	
513	**RED**	
514	**GREEN**	
515	**BLUE**	
516	**MAGENTA**	
517	**CYAN**	
518	**YELLOW**	
519	**ORANGE**	
520-529	**Red, orange, yellow, green, cyna, blue, magenta** *(color fade mode)*	
530-539	**White, magenta, red, orange, yellow, green, cyan, blue** *(color fade mode)*	
540-549	**Yellow/Orange, red** *(color fade mode)*	
550-559	**Magenta, blue** *(color fade mode)*	
560-569	**Cyan, blue** *(color fade mode)*	
570-579	**Green, yellow** *(color fade mode)*	
580-589	**All 5 channels pulse mode from 1% - 100%** *(fade mode)*	
590-599	**Strobing all 5 channels 0 - 100%** *(jump mode)*	**Independent dimming for each channel. Last value entered is stored in memory**
1.0 - 1.99	**Red from 0 - 99%**	
2.0 - 2.99	**Green from 0 - 99%**	
3.0 - 3.99	**Blue from 0 - 99%**	
4.0 - 4.99	**White from 0 - 99%**	
5.0 - 5.99	**CW (cool white) from 0 - 99%**	

* 520 - 599. First two digits indicate mode, the third digit indicates speed. Speed levels from 0-9. Speed decreases with higher number.
Total of 8 modes (eg):



SPEED FOR COLOR FADE MODES (Program 520 - 589) is per color, not the whole program.

0= 0.5 seconds, **1**= 1 second, **2** = 2 seconds, **3** = 3 seconds, **4** = 5 seconds, **5**=10 seconds, **6** = 15 seconds, **7** = 30 seconds, **8** = 60 seconds, **9** = 120 seconds

SPEED FOR SOLID MODES (Program 590 - 599) is per color, not the whole program.

0= 0.2 seconds, **1**= 0.4 seconds, **2** = 0.1 second, **3** = 0.2 seconds, **4** = 0.5 seconds, **5**=1 second, **6** = 2 seconds, **7** = 5 seconds, **8** = 10 seconds, **9** = 15 seconds

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