**Installation Instructions**

**NATL-DMX-4C & NATL-DMX-4C/RGBW**

DMX Decoder for RGB and RGBW LED Tape Light

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**ATTENTION**

1. **THE PRODUCT SHALL BE INSTALLED AND SERVICED BY A QUALIFIED PERSON.**
2. **THIS PRODUCT IS NON-WATERPROOF. PLEASE AVOID THE SUN AND RAIN. WHEN INSTALLED OUTDOORS PLEASE ENSURE IT IS MOUNTED IN A WATER PROOF ENCLOSURE.**
3. **GOOD HEAT DISSIPATION WILL PROLONG THE WORKING LIFE OF THE CONTROLLER. PLEASE ENSURE GOOD VENTILATION.**
4. **PLEASE CHECK IF THE OUTPUT VOLTAGE OF ANY LED POWER SUPPLIES USED COMPLY WITH THE WORKING VOLTAGE OF THE PRODUCT.**
5. **PLEASE ENSURE THAT ADEQUATE SIZED CABLE IS USED FROM THE CONTROLLER TO THE LED LIGHTS TO CARRY THE CURRENT. PLEASE ALSO ENSURE THAT THE CABLE IS SECURED TIGHTLY IN THE CONNECTOR.**
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 PLEASE RETURN THE PRODUCT TO YOUR SUPPLIER. DO NOT ATTEMPT TO FIX THIS PRODUCT BY YOURSELF.**

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**PRODUCT PARAMETER**

- **INPUT SIGNAL:** DMX512
- **POWER SUPPLY CHOSEN:** CV LED POWER SUPPLY
- **INPUT VOLTAGE:** DC 12V - DC 24V
- **MAX CURRENT LOAD:** 5A X 4CH MAX. 20A
- **MAX OUTPUT POWER:** 240W / 480W (12V / 24V)
- **OUTPUT GRAY SCALE:** 256 LEVELS / CH
- **FRAME RATE:** MAX 850 FRAME / SECONDS
- **DMX512 SOCKET:** GREEN TERMINAL
- **WORKING TEMPERATURE:** -30°~ 65°
- **DIMENSION:** L175×W42×H33mm
- **WEIGHT:** 312g

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READ PRIOR TO ATTEMPTING INSTALLATION
ALWAYS TURN OFF MAIN POWER BEFORE INSTALLATION
INSTALLATION SHOULD BE CARRIED OUT BY YOUR LOCAL ELECTRICIAN

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1. INITIAL DMX ADDRESS EXAMPLE: When DIP switch (1-9) = “OFF” position, the DMX initial address is 1.

2. TESTING MODE: When most of the several DIP switches (1-9) = ON, subjected to the highest switch Value, when all the DIP switches = OFF, the color is black.

- **Testing Function:** Static Red Color Effect
- **Testing Function:** Static Green Color Effect
- **Testing Function:** Static Color Purple Effect

1-6 DIP switch = OFF or = ON, it shows static white color.

- **Testing Function:** 7 Colors Smooth, the Speed is 0
- **Testing Function:** White Strobe, 5 Speed Level

DIP 1-6 is to realize 7 speed levels, 6 is the fastest levels while dip switch 1-6 = OFF: the speed is 0
Dip switch 8/9 = ON, it’s 7 Colors Skipping / 7 Colors Smooth (Channel 4 is Fade out and Fade in) changing mode, 7 speed levels for option.
DIP 7 = ON, it’s White Strobe, 4 channels are all strobe mode. DIP 1-5 are the 5 speed levels, the fastest and the slowest levels are not strobe. (When DIP 1-6 = OFF/ON, it’s the static white mode)
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CONJUNCTION DIAGRAM

DMX512 DECODER
MODEL: LT-854-5A

DMX INPUT

DMX OUTPUT

DMX512 DECODER
MODEL: LT-854-5A

DMX INPUT

DMX OUTPUT

DMX512 DECODER
MODEL: LT-854-5A

DMX INPUT

DMX OUTPUT

DMX512 DECODER
MODEL: LT-854-5A

DMX INPUT

DMX OUTPUT

DMX512 DECODER
MODEL: LT-854-5A

DMX INPUT