DX-610/DX-626
6 CH DMX Dimmer Pack
【User Manual】

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1. Safety Introduction

1-1 The Load Power

Please refer to the data we suggested to ensure the normal total working hours of DX-610/DX-626.

- If DX-610/DX-626 is installed in a rack, please make sure the rack has adequate ventilation. Otherwise the machine will become over-heat and result in the mal-function
- DX-610: the max. output of each channel is10A: For testing (DO Not over 30 minutes)
- DX-626: the max. output of each channel is 20A: For testing (DO Not over 30 minutes)
- DX-610: the output of each channel is≦8A: For several hours usage (Theaters, Stages)
- DX-626: the output of each channel is≦16A: For several hours usage (Theaters, Stages)
- DX-610: the output of each channel is ≦8A: Can work 24/7 without switching off (Hotels, Restaurants, Buildings)
- DX-626: the output of each channel is ≦12A: Can work 24/7 without switching off (Hotels, Restaurants, Buildings)

1-2 Working Environment

- Temperature：< 35°C
- If the machine is installed in a rack, then the temperature inside the rack must be under 45°C
- Humidity：40% - 80%

1-3 Suggested Dimming Fixtures

Incandescent lamps, halogen lamps, low volt halogen lamps with ballast.

2. Introduction

2-1 Feature

- 6 dimming channels.
- Auto tracking of frequency and phase.
- Temperature control device: When the temperature is over 45℃， the fan will start automatically.
- Auto tracking of frequency: Enables stable dimming output in different frequencies.
- Testing function: Can do test without connecting to a console.
- Warm-up function to protect the loads. (Warm-up setting 0---6.0%)

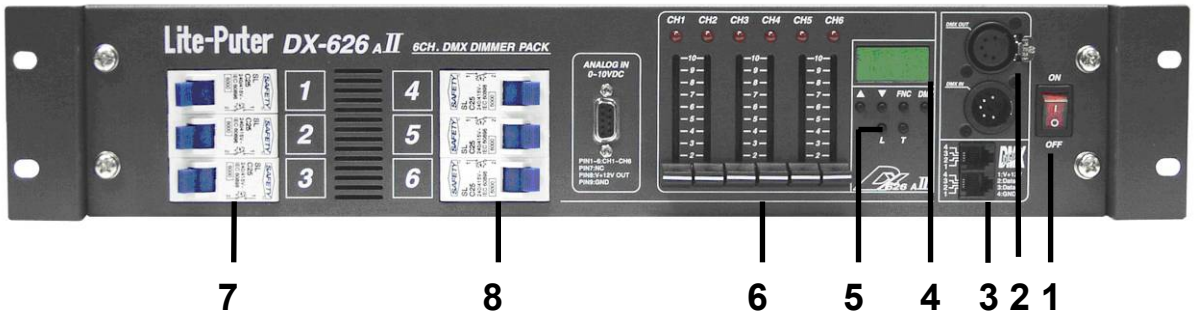
2-2 Brief Device Introduction

- DX-610: 10A magnetic circuit breaker.
  DX-626: 25A magnetic circuit breaker.
- Thermal-controlled fan (37CFM X 1)
- The front panel can be dismantled easily for quick repair.

2-3 Specification

- Power Input: AC 90-240V, 45-63Hz, 3Ø4W, 1Ø2W
- Output: DX-610: Maximal output is 10A each channel
  DX-626: Maximal output is 20A each channel
- DMX signal output/ input: DMX-512/ 1990
- DMX signal connector: XLR 5Pin, RJ11-6p4c phone jack
- Analog signal power input: DC 0-10V
- Analog input channel: 6 channels
  PIN 1~6→ CH1~6, PIN 7→ NC
  PIN 8→V+12V OUT, PIN 9→GND
- Analog signal connector: D-Type Plug 9 Pin (F)
- Dimension: 482(W) x 88(H) x 300(D)mm
- Installation: 19" 2U standard rack
- Weight: 8Kg
- Fuse: DX-610-PCB No.: MI23B4 F1 (Tube fuse 2.5A, 250V)
  DX-626-PCB No.: MI23B4 F1 (Tube fuse 2.5A, 250V)

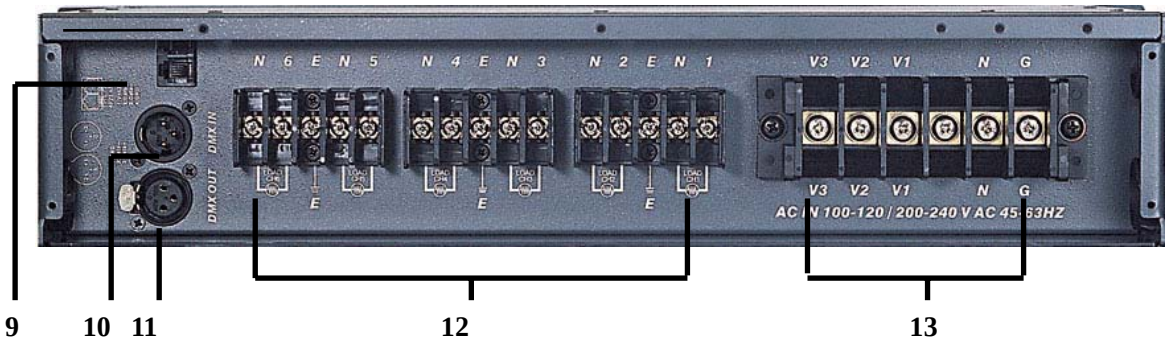
2-4 Front Panel



(1) Power on/ off switch	(5) Function Key
(2) DMX OUT/ IN (5 pin)	(6) Dimming VR of Channel 1- 6
(3) DMX IN (RJ11, phone jack)	(7) No fuse breaker (Channel 1-3)
(4) LED display/ function keys	(8) No fuse breaker (Channel 4-6)

2-5 Output Terminal Board / Sockets Panel

TERMINALTYPE



(9) DMX connector (RJ11, phone jack)
(10) DMX IN (XLR-3 pin)
(11) DMX OUT (XLR-3 pin)
(12) Output terminal board (External power no fuse breaker is necessary when mounting.)
(13) Power input terminal board. (DX-610: 20A Single phase; DX-626: 40A Single phase)

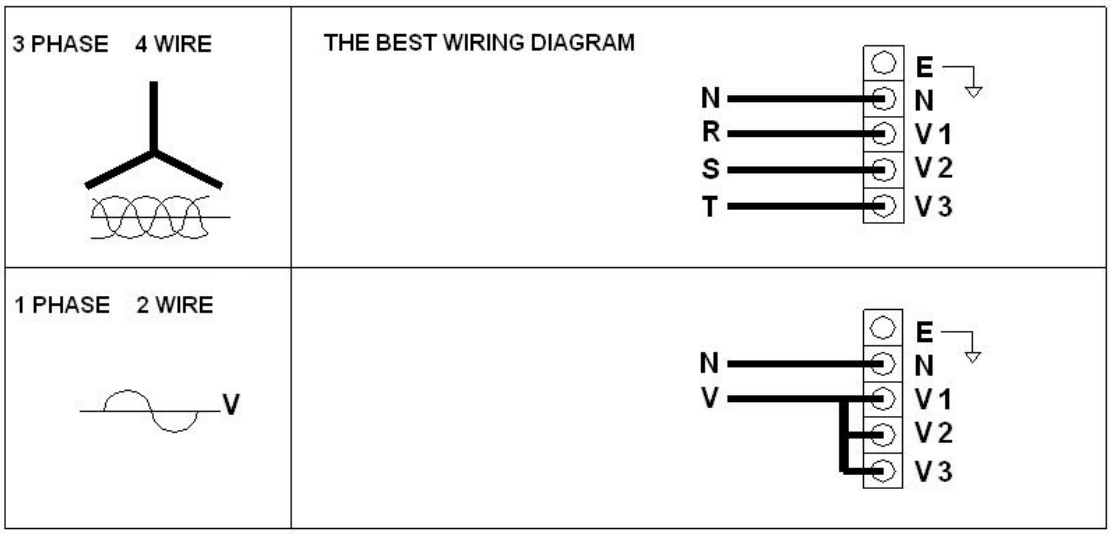
AMERICAN TYPE

Output sockets (DX-610: 10A each channel;
DX-626: 15A each channel, external power no fuse breaker is necessary when mounting.)

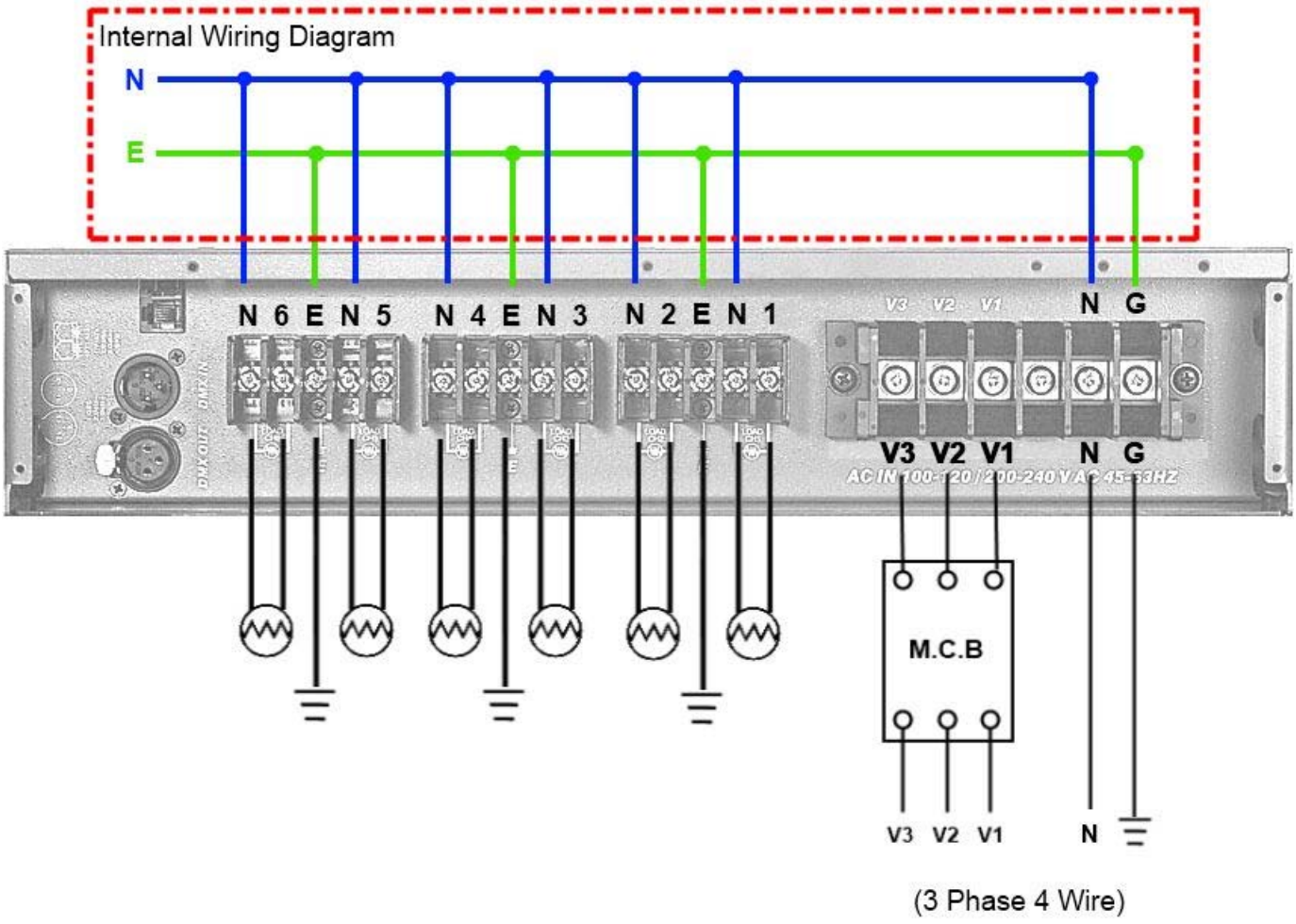
SCHUKO TYPE

Output sockets (DX-610: 10A each channel;
DX-626: 16A each channel, external power no fuse breaker is necessary when mounting.)

2-6 Wiring Diagram



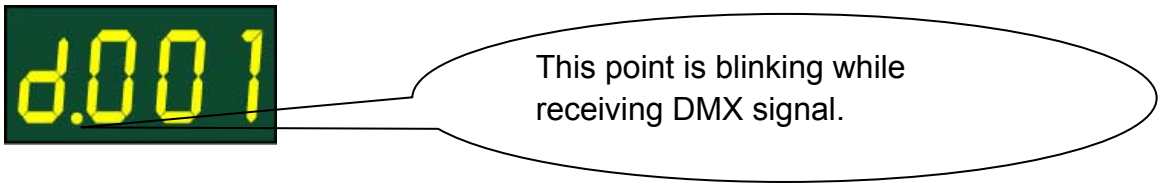
There are '3 PHASE 3 WIRE' and 'SINGLE PHASE 2 WIRE' as option.



(3 Phase 4 Wire)

3. Operation

3-1 DMX-512 Signal



3-2 Start Address Channel Setting

STEP-1 holding【**DMX**】, press【▲】or【▼】to find the start channel address.

DX-626 is a 6 channels dimmer pack so while setting the DMX start channel address of this unit:
as d.001, the output is from Channel 1→ Channel 6.
as d.007, the output is from Channel 7→ Channel 12.

3-3 Dimming/Switch Setting

STEP-1 press【**DMX**】key into DMX status.
STEP-2 press and hold the【**FNC**】key for 3 sec.

Default setting：All channels are in dimming mode
STEP-3 press【**FNC**】key to select channel.
STEP-4 press【▲】or【▼】to select dimming mode or switch mode.

(Dimming)


(Switch)

3-4 Warm-Up Setting (0 – 6%)

STEP-1 press【**FNC**】key .

STEP-2 press【**FNC**】key to select the channel, EX :select channel 1

STEP-3 press【▲】, 【▼】key to adjust.

Set warm-up level of channel 1 as 6%

3-5 Channel Output Status Preview

STEP-1 Enter to DMX status and press【**DMX**】key.

STEP-2 press【▲】or【▼】to preview.

3-6 Manual Dimming

STEP-1 Push【**VR1-VR6**】to dim the output of each channel.

When there is another DMX input from a console, it will take the higher DMX value as the output.

3-7 Display the Dimming Value of DMX Channel and Internal Temperature.

Press【**L**】to display the dimming value of DMX channel.

Press【**T**】to display the internal temperature.

3-8 DMX-512 Status & DMX-512 Address

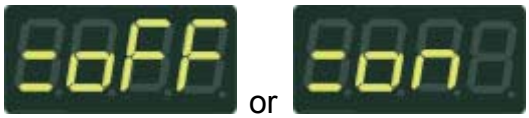
A. Press【**DMX**】to DMX status.

B.The LED will return to DMX status after 10 minutes idle.

3-9 Protocol Control

When the protocol control turn on, it only receive the DMX signal whose break width range from 88us to 230us.

STEP-1 Press【**FNC**】 and LED displays as below.



STEP-2 Press【▲】and LED displays as below,

Protocol control is ON.

STEP-3 Press【▼】and LED displays as below,

Protocol control is OFF.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.
2. Lite-Puter guarantees to keep Lite-Puter's from manufacturing defects within a year since the distributing date.
3. Lite-Puter does not offer on-site service. If the defects appears In Lite-Puter's product, please deliver the product to local distributors or to Taipei headquarters.
4. The warranty does not cover:
   a. Any fault caused by false usage, imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)
   b. Force majeure factors *(flooding, earthquake, thunder,volcanic eruption, tsunami or other factors beyond Lite-Puter control).*
   c. The cost of installing, reinstalling, adjusting, repairing, or reprogramming the product.
   d. Other products or devices which are offered by Lite-Puter or not by Lite-Puter.
5. Lite-Puter does not warrant the product will operate without interruption or being free of error.

Revision Record

Version	Record
A	First issued
H	Figures changed
I	Figures in 1-1,1-4 changed
J	Internal wiring diagram added
K	Typo edited
L	Change 2-3

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