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 100-240V, 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)
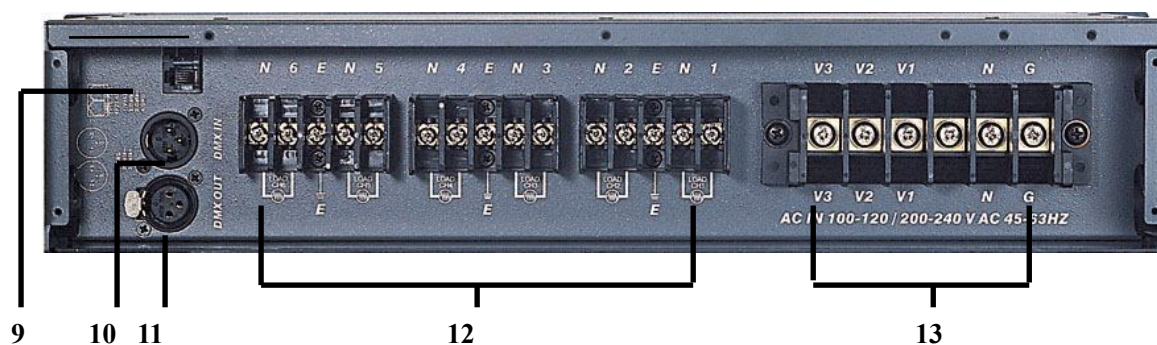   DX-626-PCB No.: MI23B4　F1 (Tube fuse 2.5A, 250V)

2

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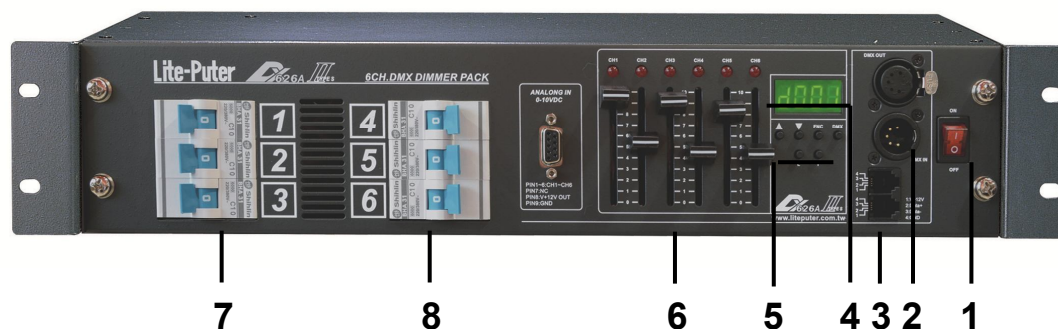
(1)	Power on/ off switch	(5)	Function Key
(2)	DMX OUT/ IN (5 pin)	(6)	Dimming VR of Channel 1- 6
(3)	DMX IN (RJ11, phone jack)	(7)	No fuse breaker (Channel 1-3)
(4)	LED display/ function keys	(8)	No fuse breaker (Channel 4-6)

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;

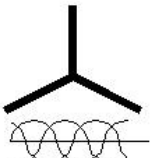DX-626: 15A each channel, external power no fuse breaker is
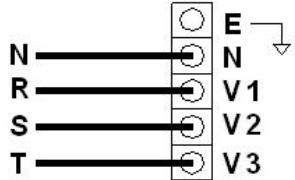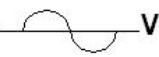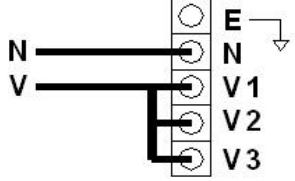
necessary when mounting.)

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.

Internal Wiring Diagram

N

E

N 6 E N 5   N 4 E N 3   N 2 E N 1   V3 V2 V1   N G

V3 V2 V1   N G

AC IN 100-120 / 200-240 V AC 45-63HZ

M.C.B

V3 V2 V1   N

(3 Phase 4 Wire)
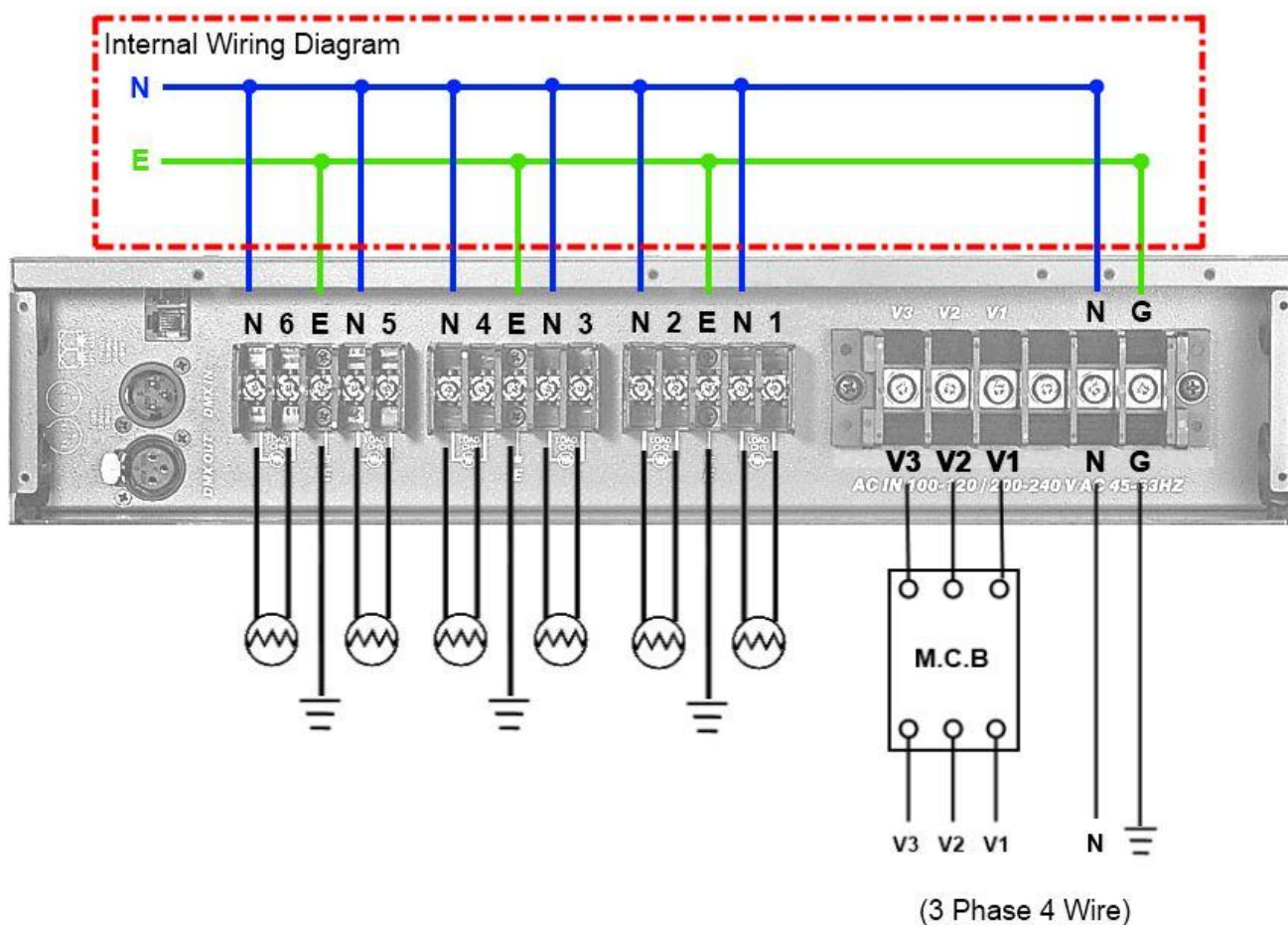
3. Operation

3-1 DMX-512 Signal

d.001

This point is blinking while receiving DMX signal.

3-2 Start Address Channel Setting

STEP-1 holding 【DMX】 for 3 seconds until blinking A--- is displayed.

A- - -

STEP-2 press【▲】or【▼】to find the start channel address. And then press 【DMX】to confirm.

A512

【▲】: to go forward 1 address; up to 512th channel.

A001

【▼】: to draw back 1 address; start from 1st channel.

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 Patch Setting

STEP-1 holding【DMX】 for 3 seconds until blinking A--- is displayed.

A - - -

Set DMX start address as 3-2

STEP-2 Press 【FNC】to shift channel, and press【▲】or【▼】to set the current channel address

2.005

DMX address of CH2 is 005

3-4 Dimming/Switch Setting

STEP-1 press【**DMX**】key into DMX status.

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

AL:d

Default setting：All channels are in dimming mode

STEP-3 press 【**FNC**】key to select channel.

6

STEP-4 press【▲】or【▼】to select dimming mode or switch mode.

AL=d (Dimming)   **AL=S** (Switch)

3-5 Warm-Up Setting (0 – 6%)

STEP-1 press【FNC】key .

A=00

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

STEP-3 press【▲】,【▼】key to adjust.

1=06

> Set warm-up level of channel 1 as 6%

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
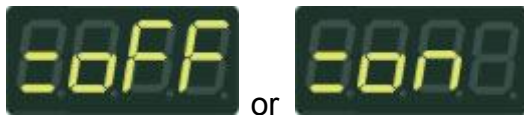
A. Press【DMX】to DMX status.

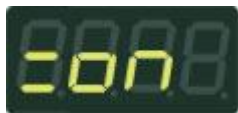B.The LED will return to DMX status after 10 minutes idle.

3-9 Protocol Control

When the protocol control turn on, it only receive the DMX signal whose break width range from 88us to 230us.
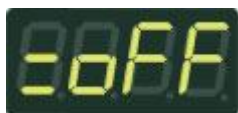
STEP-1 Press【**FNC**】 and LED displays as below.

EoFF   or   Eon

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

Eon

Protocol control is ON.

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

EoFF

Protocol control is OFF.

3-10 Memory Initialization

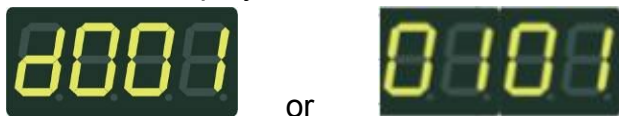STEP-1: Press 【▲】 and 【▼】at the same time and then turn on the device , LED shows:

F20-

STEP-2: Press【**FCN**】to cancel memory Initialization:

d001

STEP-3: Press【**DMX**】to start memory Initialization:

CLr

Then LED display shows:

d001   or   0101

Limited Warranty

1. Lite-Puter is only responsible for the product itself.

2. Lite-Puter warrants to repair any manufacturing defects within one year of distribution date.

3. Lite-Puter does not offer on-site service. Should a defect appear in Lite-Puter's product, please deliver the product to local distributors or Taiwan Headquarters.

4. This Limited Warranty does not cover:

a. Any fault caused by false usage or imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)

b. Force majeure factors (flooding, earthquake, volcanic eruption, or other factors beyond Lite-Puter's control).

c. Labor costs incurred in diagnosis of defects; installation, reinstallation, wiring, rewiring, repairing, adjustment, or reprogramming of a product; or any other consequential expenses.

d. Other Lite-Puter or non-Lite-Puter products or devices offered, packaged, or sold with the product.

   5. Lite-Puter does not warrant that the product will operate without interruption or 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
M	Edit 2-2/2-7,delete 2-5,add 2-3
N	Memory Initialization 3-10
O	Page edited

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