

DX-610/DX-626

6CH.DMX DIMMER PACK

【 User Manual 】



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SAFETY INTRODUCTION

The Load Power:

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

1. If DX-610/DX-626 is installed in a rack, please make sure the rack is airy. Otherwise the machine will become over-heat and result in the mis-function.
2. DX-610: the max. output of each channel is 10A: For testing (DO Not over 30 minutes)
DX-626: the max. output of each channel is 20A: For testing (DO Not over 30 minutes)
3. DX-610: the output of each channel is $\leq 8A$: For several hours use (Theaters, Stages)
DX-626: the output of each channel is $\leq 16A$: For several hours use (Theaters, Stages)
4. DX-610: the output of each channel is $\leq 8A$: Can work for the whole year without switching off (Hotels, Restaurants, Buildings)
DX-626: the output of each channel is $\leq 12A$: Can work for the whole year without switching off (Hotels, Restaurants, Buildings)

Working Environment

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

Suggested Dimming Lights

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

Chapter 1. Introduction

1-1 Feature

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

1-2 Brief Device Introductions

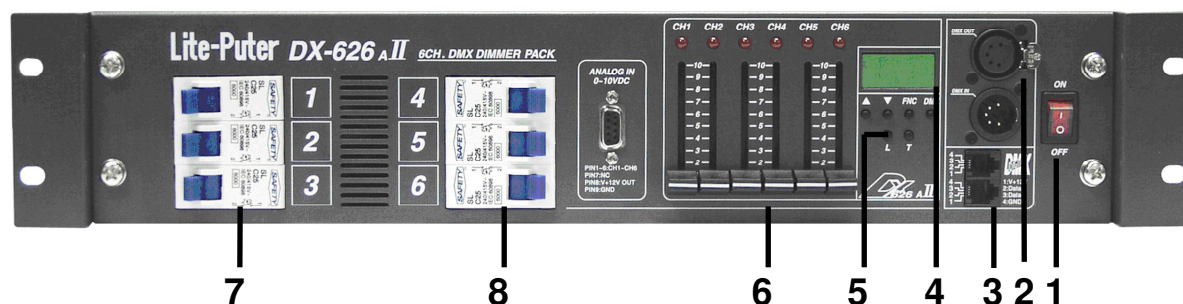
- DX-610: 10A no fuse breaker.
DX-626: 25A no fuse breaker.
- Fan for temperature controlling to sink heat and clean the dust inside. (37CFM X 1)
- The front panel can be dismantled easily for quick repair.



1-3 Specification

Power	AC 90-240V, 45-63Hz, 3Ø4W, 1Ø2W
Output	DX-610: Maximal output is 10A each channel DX-626: Maximal output is 20A each channel (Please refer to the user manual)
DMX signal output/ input	DMX512/ 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
Location	19" 2U standard rack
Weight	8Kg

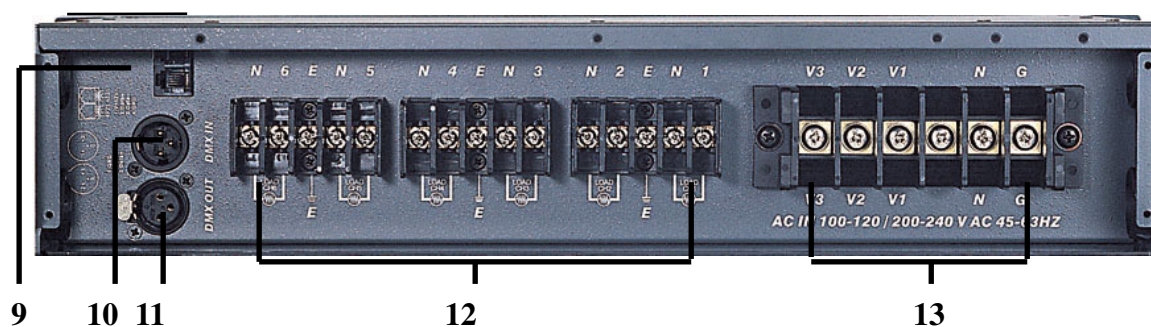
1-4 Front Panel



(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)

1-5 Output Terminal Board / Sockets Panel

TERMINALTYPE



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

AMERICAN TYPE

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

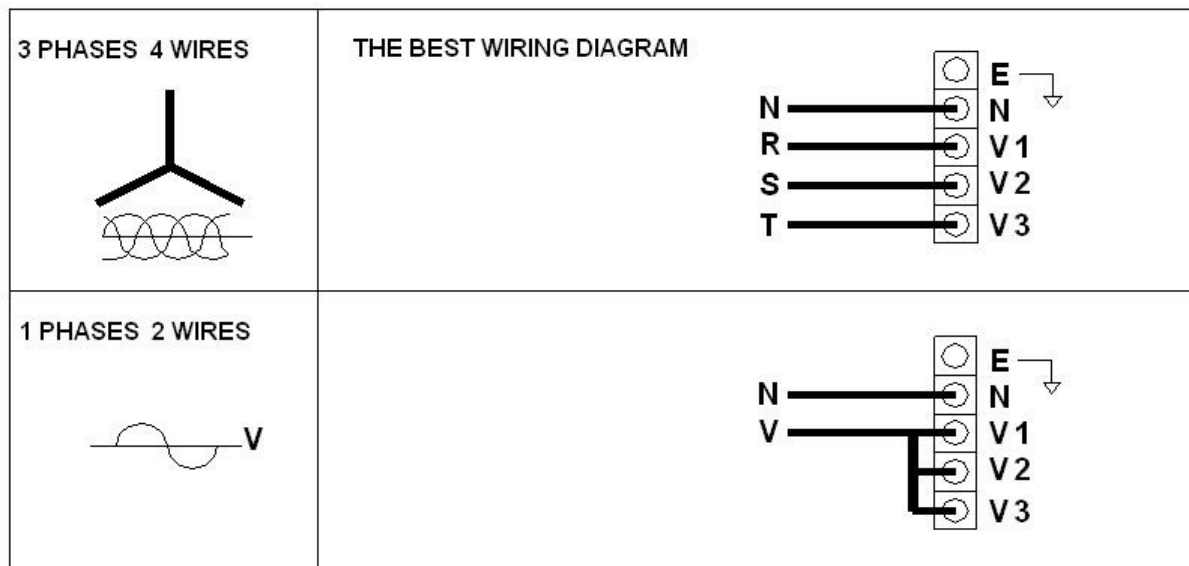


SCHUKO TYPE

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



1-6 Wiring Diagram



PS.: There are '3 PHASES 3 WIRES' and 'SINGEL PHASE 3 WIRES' as option.

Chapter 2. Operation

2-1 Standard DMX512 Signal



This point is flashing when receiving DMX signal.

2-2 DMX Start Address Setting

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



【▲】 : move 1 number forward : up to Channel 512.



【▼】 : move 1 number backward :down to Channel 1.

DX-626 is a 6 channel dimmer pack so when setting this unit:

- 【1】** as d.001, the output is from Channel 1→ Channel 6.
- 【2】** as d.007, the output is from Channel 7→ Channel 12.
- 【3】** It is allowed for setting more than 1 piece of DX-626 at the same start address.

2-3 Dimming/Switching Setting

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

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



Default setting : All channel are dimming mode

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

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



(Dimming)



(Switching)

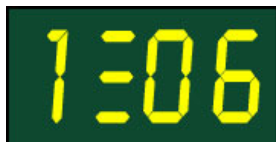
2-4 Warm Up Setting (0...6%)

STEP-1 press **【FNC】** key .



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

STEP-3 press **【▲】** , **【▼】** key to adjust.



Channel 1 set on 6% for warm up.

2-5 Channel Output Status Preview

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

STEP-2 press **【▲】** or **【▼】** to preview.



2-6 Manual Dimming

STEP-1 Push **【VR1-VR6】** to do the prompt dimming output of individual channel.

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

2-7 Display The Dimming Value of DMX Channel,Internal Temperature.

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

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

2-8 DMX Status & DMX Address

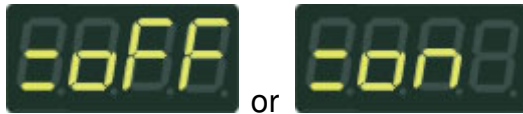
a.press **【DMX】** to DMX status.

b.10 minutes unused of unit, the DMX will activate to DMX status.

2-9 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.

Guarantee

1. Lite-Puter is only responsible for DX-610/DX-626 itself.
2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.
3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
A	First version
H	change pictures
I	change pictures,1-1,1-4

Issued on: May, 2010

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