DX-610

6CH. DMX DIMMER PACK

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SAFETY INTRODUCTIONS

■   Please note the load power：

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

1.   **If DX-610 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.   **The max. output of each channel if 10A: For testing (DO Not over 30 minutes)**

3.   **The output of each channel is≦8A: For several hours use (Theaters, Stages)**

4.   **The output of each channel is ≦8A: 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.   Introductions of DX-610

1-1   Feature

- **6 dimming channels.**

- **Auto tracking of frequency and phase.**

- **Temperature control device: When the temperature is over** 35℃，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

- **10A 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**	**AC100-240V, 45-63Hz, 3Ø4W, 1Ø2W**
■	**Output**	**Maximal output is 10A 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**	**9 channels**
		PIN 1~6→ CH1~6, PIN 7→NC, PIN 8→V+12V OUT,PIN 9→GND
■	**Analog signal connector**	**D-Type Plug 9Pin(F)**
■	**Dimension**	**482(W) x 88(H) x 300(D)mm**
■	**Location**	**19" 2U standard rack**
■	**Weight**	**8Kg**

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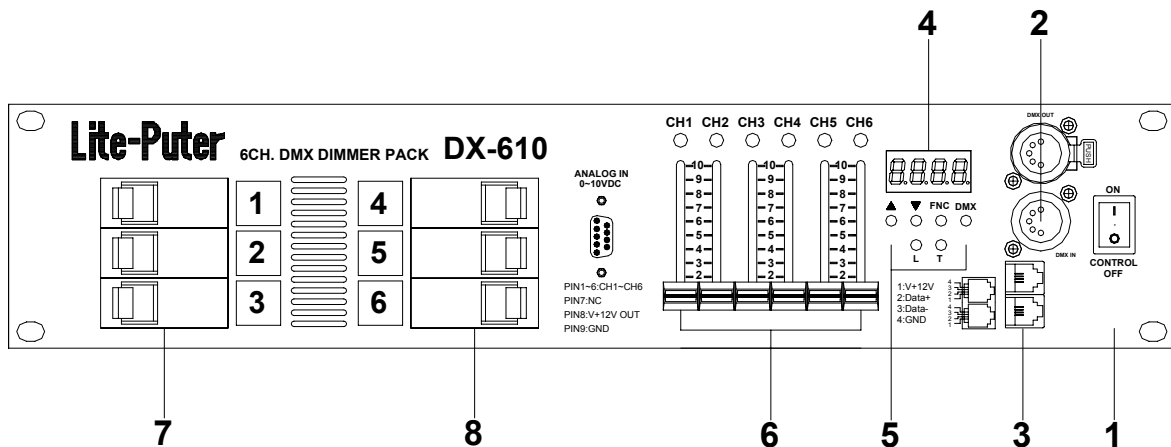
(1)	**Power on/ off switch**	**(5)**	**Function Key**
(2)	**DMX OUT/ IN (5 pin)**	**(6)**	**Dimming VR of Channel 1- 6**
(3)	**DMX IN (RJ11, phone jack)**	**(7)**	**No fuse breaker (Channel 1-3)**
(4)	**LED display/ function keys**	**(8)**	**No fuse breaker (Channel 4-6)**

1-5   Output terminal board / Sockets panel

TERMINAL TYPE
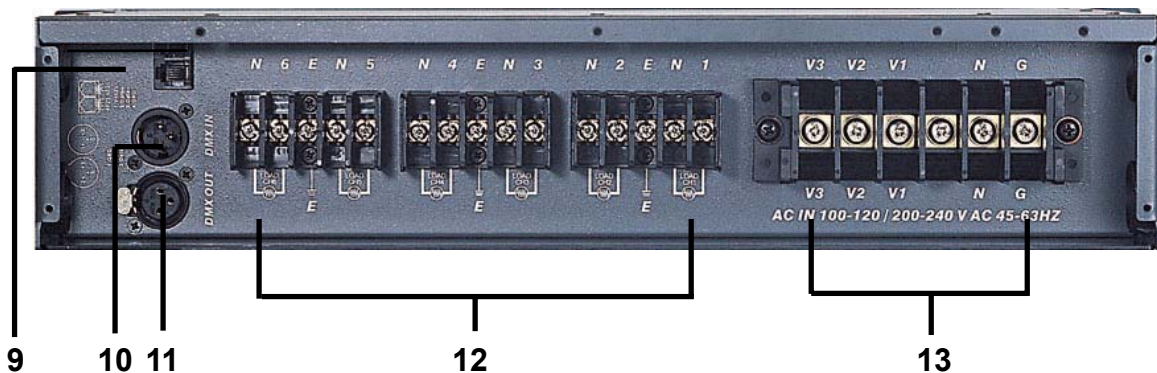
(9) DMX connector (RJ11, phone jack)	**(12) Power input terminal board.** (10A Single phase)
(10) DMX IN (XLR-3 pin)	**(13) Output terminal board** (10A each channel, External power no fuse breaker is necessary when mounting.)
(11) DMX OUT (XLR-3 pin)	

AMERICAN TYPE

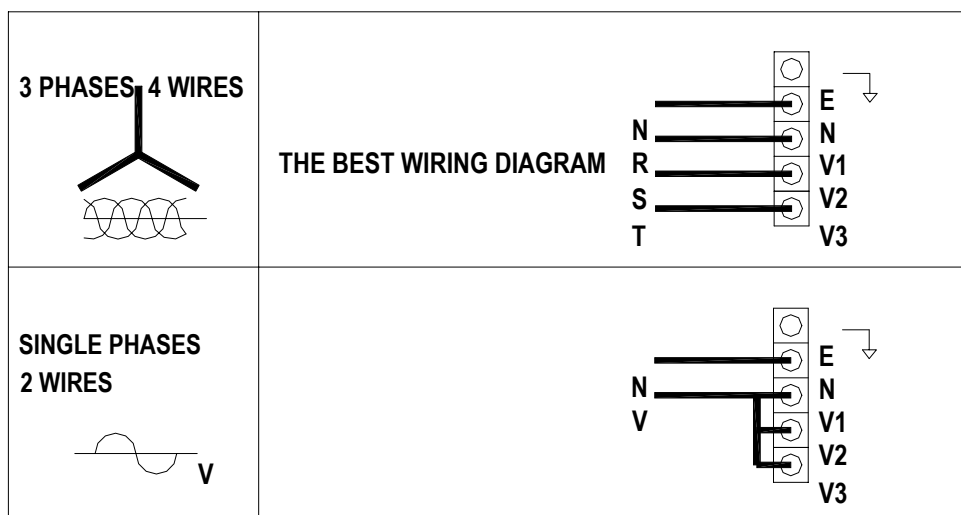**Output sockets (10A each channel, External power no fuse breaker is necessary when mounting.)**

SCHUKO TYPE

Output sockets (10A each channel, External power no fuse breaker is necessary when mounting.)

1-6   Wiring diagram

3 PHASES 4 WIRES	**THE BEST WIRING DIAGRAM**	E N N V1 R V2 S V3 T
SINGLE PHASES 2 WIRES		E N N V1 V V2 V3

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

Chapter 2.   Operation

2-1   Standard DMX512 Signal

`C.001`

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2-2   DMX start address setting

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

`C.512`

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

`C.001`

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

DX-626 is a 6 channel dimmer pack so when setting this unit:
  【1】   **as** C.OO1,   **the output is from Channel 1→ Channel 6.**
  【2】   **as** C.OO7,   **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.

`AL=d`

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

AL=d (dimming)   **AL=S** (Switching)

2-4   warm up setting (0...6%)

STEP-1 press【FNC】key

A=00

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

STEP-3 press【▲】,【▼】key to adjust

1=06   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

4-FL

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