DX-610/626

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-610/626

1. If DX-610/626 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 if 10A: For testing (DO Not over 30 minutes)

   DX-626: the max. output of each channel if 20A: For testing (DO Not over 30 minutes)
3. DX-610: the output of each channel is≦8A: For several hours use (Theaters, Stages)

   DX-626: the output of each channel is≦16A: For several hours use (Theaters, Stages)
4. DX-610: the output of each channel is ≦8A: Can work for the whole year without switching off (Hotels, Restaurants, Buildings)

   DX-626: the output of each channel is ≦12A: Can work for the whole year without switching off (Hotels, Restaurants, Buildings)

■ Working Environment

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

■ Suggested Dimming Lights

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

Chapter 1. Introductions of DX-610/626

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

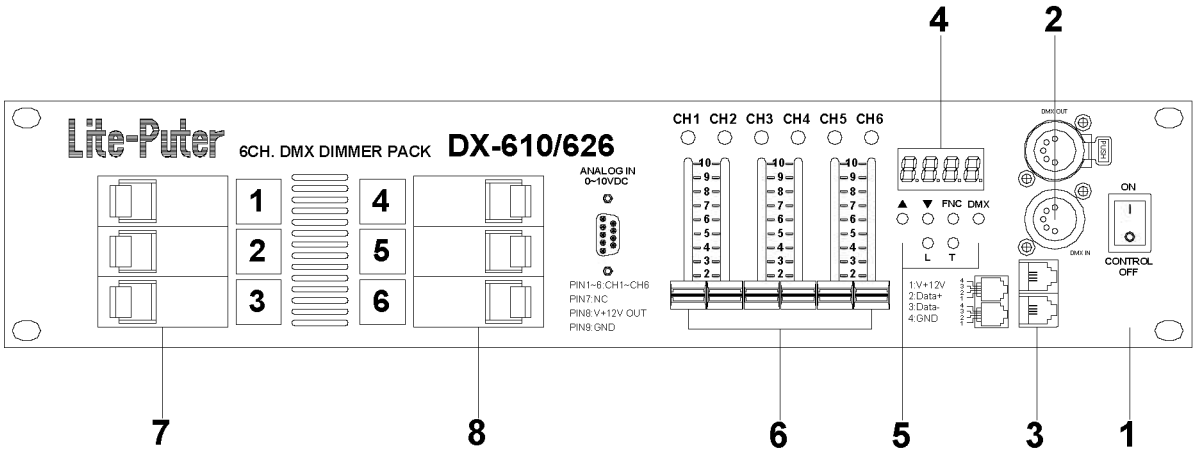
- DX-610: 10A no fuse breaker.
  DX-626: 25A no fuse breaker.
- Fan for temperature controlling to sink heat and clean the dust inside. (37CFM X 1)
- The front panel can be dismantled easily for quick repair.

1-3 Specification

Power	AC100-240V, 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

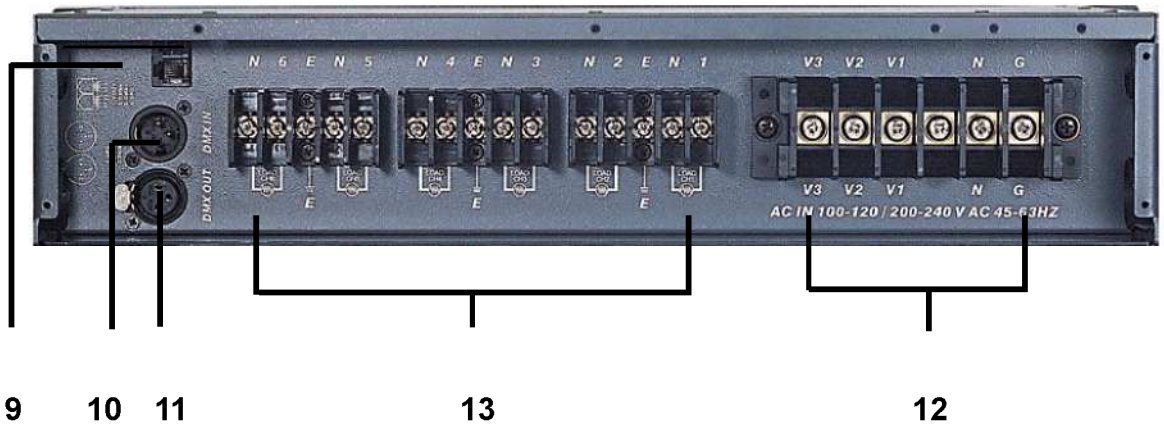
1-4 Front panel



(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

TERMINAL TYPE



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

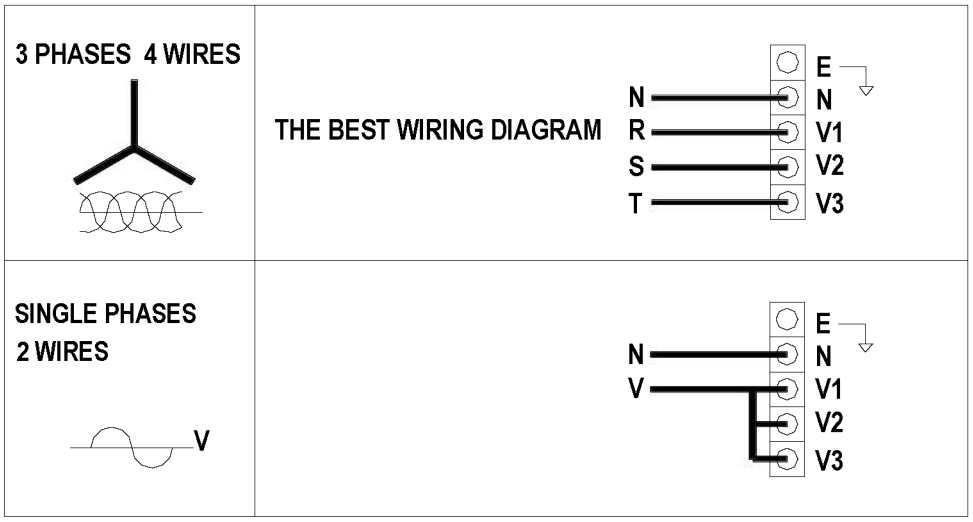
AMERICAN TYPE

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 flashing when receiving DMX

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 C.001, the output is from Channel 1→ Channel 6.
【2】 as C.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

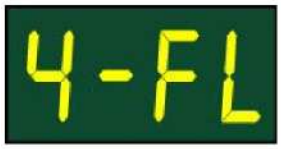
STEP-3 press【▲】,【▼】key to adjust

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.

or


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

Protocol control is ON.

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

Protocol control is OFF.