

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 $\cong 8A$: For several hours use (Theaters, Stages)
 DX-626: the output of each channel is $\cong 16A$: 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. 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°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.

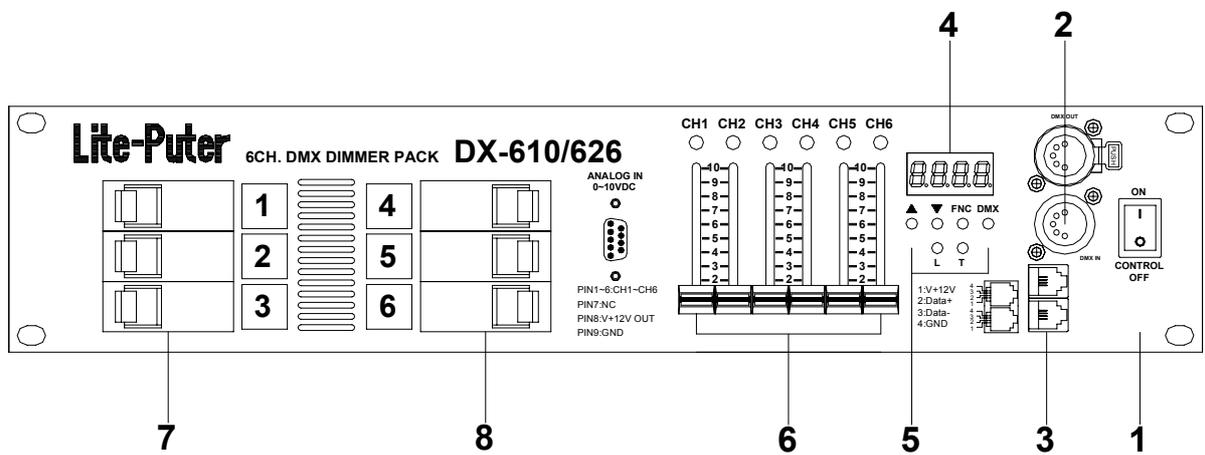


1-3 Specification

- Power 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 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

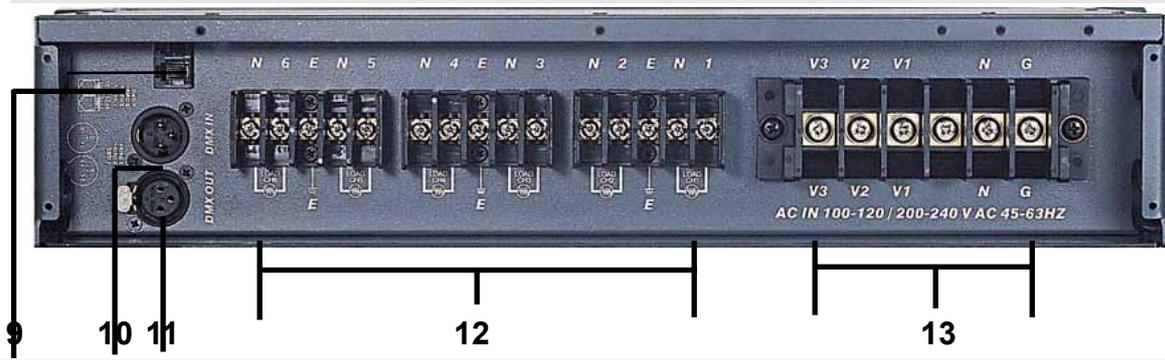
1-4 Front panel



(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. (DX-610: 20A Single phase; DX-626: 40A Single phase)
(10) DMX IN (XLR-3 pin)	(13) Output terminal board (10A each channel, External power no fuse)

(11) DMX OUT (XLR-3 pin)	breaker is necessary when mounting.)
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AMERICAN TYPE

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

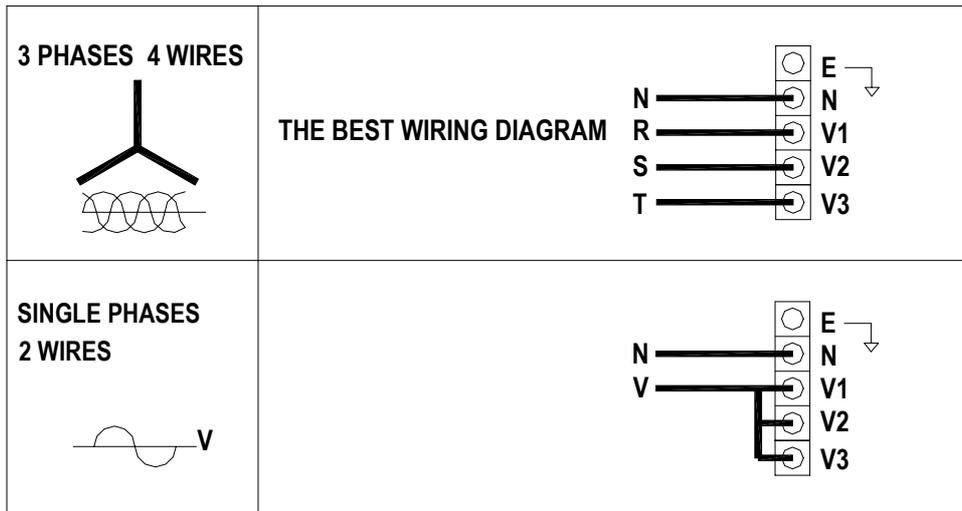


SCHUKO TYPE

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

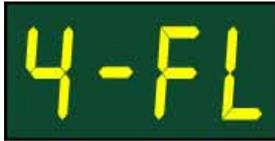


Channel 1 set on 6% for warm up

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