

DX-627/1227

6/12 CHANNEL DMX DIMMER PACK



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Safety Introduction

■ Please note the load power :

Please refer to the data we suggest to ensure the normal total working hours of DX-627/ DX-1227 :

1. If DX-627/ DX-1227 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-627/ DX-1227 The max output of each channel is 20A : For testing (Do not over 30 minutes.)
3. DX-627/DX-1227 The max output of each channel is $\leq 16A$: For several hours use. (Theaters, stages)
4. DX-627/DX-1227 The output of each channel is $\leq 12A$: Can work for the whole year without switching off. (Is suitable for hotels, restaurants and building.)

■ 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%

Chapter 1 Introduction of DX-627/DX-1227

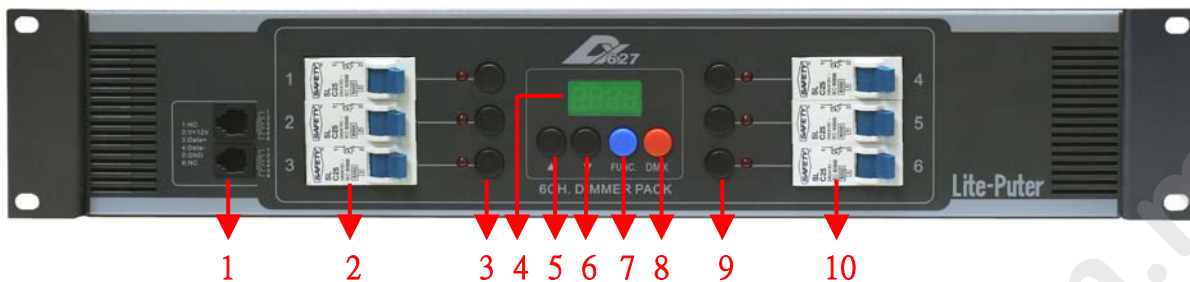
1-1 Feature

- Automatic frequency sensor can detect power frequency (45Hz~63Hz) in different areas and stabilizes the dimming output.
- The thermo-controlled fan will be activated automatically when the temperature is over 45°C.
- The intelligent thermo-protection will cease the output when the temperature is over 85°C and restart output below 65°C.
- Each channel can be set as dimming or non-dimming.
- Self-testing function to test without a console.
- Dimmer level and internal temperature monitor.
- Warm up function to protect the loads. (Warm up setting 0%~6%)
- Output can be limited from 50% to 100% for overload protection.
- Each channel is equipped with a N.F.B.
- Easy wiring.

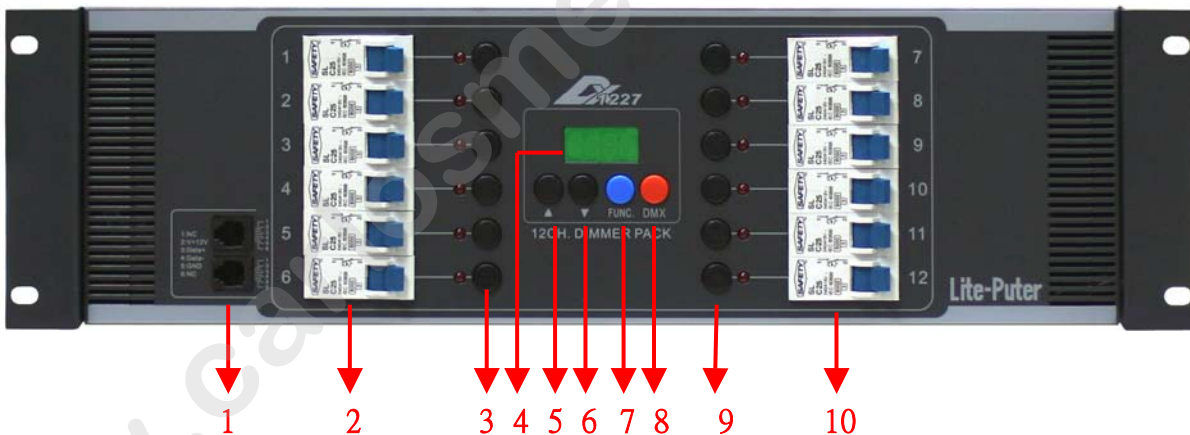
1-2 Specification

■ Power	AC 100-240V, 45---63Hz, 3Ø4W
■ Output	Maximal output is 20A per channel (Please refer to the safety Introduction)
■ Protocol	DMX512
■ Signal Connector	XLR 5-pin(Male x1, Female x1), 6p4c phone jack (x2)
■ Dimension	DX-627 : 482(W) x 88(H) x 312(D)mm DX-1227 : 482(W) x 132(H) x 312(D)mm
■ Location	DX-627 : 19" 2U Standard rack DX-1227: 19" 3U Standard rack
■ Weight	DX-627 : 10 Kg DX-1227: 13.5 Kg

1-3 Operation Panel Function Introducing

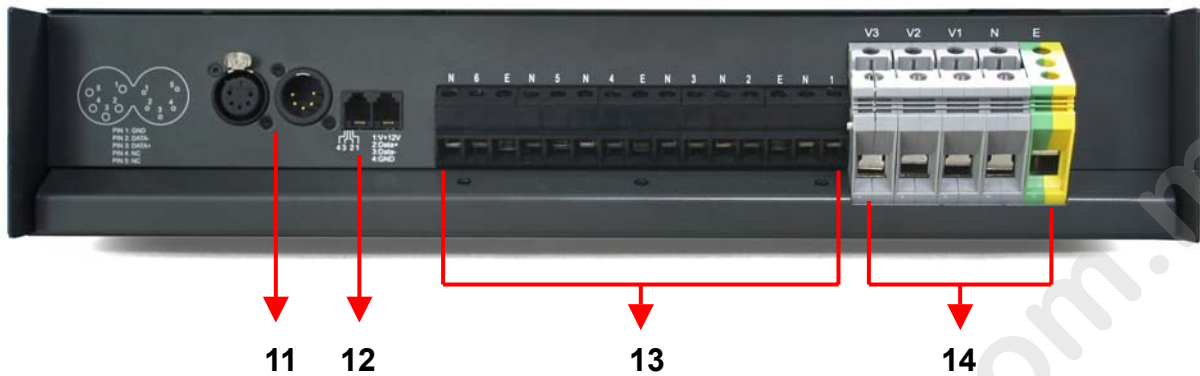


(1) DMX IN (Phone jack).	(6) ▼ BUTTON.
(2) N.F.B (1-3CH).	(7) FUNCTION BUTTON.
(3) CHANNEL BUTTON (1-3CH).	(8) ENTER BUTTON.
(4) LED DISPLAY	(9) CHANNEL BUTTON (4-6CH).
(5) ▲ BUTTON.	(10) N.F.B (4-6CH).

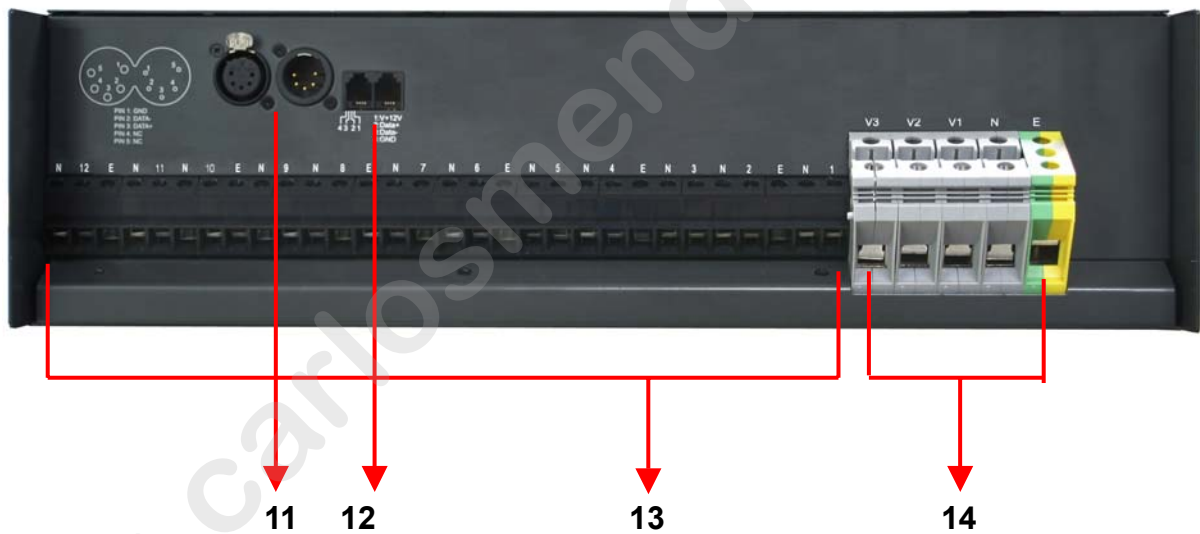


(1) DMX IN (Phone jack)	(6) ▼ BUTTON.
(2) N.F.B (1-6CH)	(7) FUNCTION BUTTON.
(3) CHANNEL BUTTON (1-6CH)	(8) ENTER BUTTON.
(4) LED DISPLAY	(9) CHANNEL BUTTON (7-12CH).
(5) ▲ BUTTON	(10) N.F.B (7-12CH).

1-4 Output Rear Panel Introducing

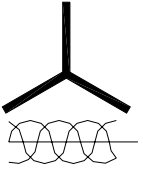
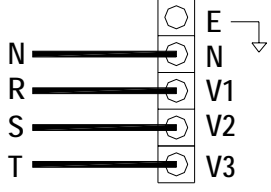

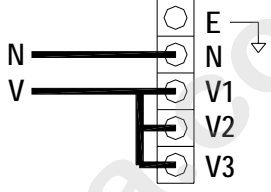


(11) DMX IN(XLR-5 pin)	(13) Output terminal board
(12) DMX IN (RJ11, phone jack)	(14) Power input terminal board



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1-5 Wiring Diagram

<p>3 PHASES 4 WIRES</p> 	<p>THE BEST WIRING DIAGRAM</p> 
<p>SINGLE PHASES 2 WIRES</p> 	

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Chapter 2 Operation

2-1 Standard DMX 512 Signal



This point flashing when receiving

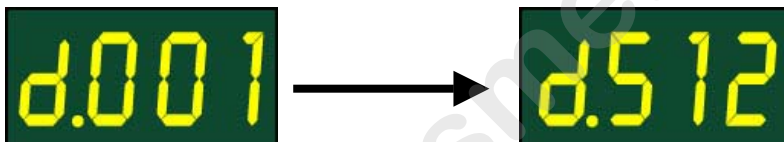
2-2 DMX Start Address Setting

STEP-1 Hold **[ENTER]** ,press **[▼]** or **[▲]** to find the start address.

[ENTER] + **[▲]** : move 1 number forward.

[ENTER] + **[▼]** : move 1 number backward.

Up to 512 Channel



DX-627 is a 6 channels dimmer pack so when setting this unit:

1. As the start channel is d.001, the output is from channel 1 -> channel 6
2. As the start channel is d.007, the output is form channel 7->channel 12
3. It is allowed to set more than 1 piece of DX-627 at the same start address.

2-3 Channel Output Status Preview

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



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



Channel 4= 100% Full

2-4 Output Testing

STEP-1 Press channel button for full load output.

STEP-2 Press channel button again for turn off output.

2-5 Dimming / Switching Setting

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



STEP-2 Press **【FUNC】** button and the LED displays as below



Default setting: all channel are dimmable

STEP-3 Press **【▼】** or **【▲】** to select dimming (d) or switching (S)



(dimming)



(switching)

STEP-4 Press channel button (channel 1~ channel 6) to choose the channel

STEP-5 Press **【▼】** 或 **【▲】** to choose the channel is dimming or switching.



Channel 1= Switching

2-6 Warn-Up Setting (0...6%)

STEP-1 Press **【FUNC】** button until the LCD displays as below



STEP-2 Press **【▼】** or **【▲】** to adjust.



All channels are set on 6% for warm

2-7 Output Limit Setting

STEP-1 Press **【FUNC】** button until the LED displays as below:



STEP-2 Press **【▼】** or **【▲】** to adjust.



All channel output limit is 86%

2-8 Internal Temperature

STEP-1 Press **【FUNC】** button and the LED will display alternately as below:



(temperature of left side heat sink)



(temperature of right side heat sink)

- The thermo-controlled fan will be activated automatically when the temperature is over 45°C. The fan will be stopped when the temperature is below 40°C
- The intelligent thermo-protection will cease the output when the temperature is over 85°C and restart output below 65°C.

2-9 DMX Status & DMX Address

In the middle of any of setting, press **【ENTER】** , the machine can immediately return to DMX status.