

DX-627/1227 H/T

6/12 CH DMX DIMMER PACK

【 User Manual 】



Lite-Puter Enterprise Co., Ltd.

Website: www.liteputer.com.tw

E-mail: sales@liteputer.com.tw

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Safety Introduction

■ Please note the load power:

Please refer to the data we suggested 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 malfunction.**
- 2. If the output of each channel is $\leq 12A$, it can work for the whole year without switching off. (It's suitable for hotels, restaurants and buildings.)**

■ Working Environment:

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

Chapter 1 Introduction of DX-627/DX-1227

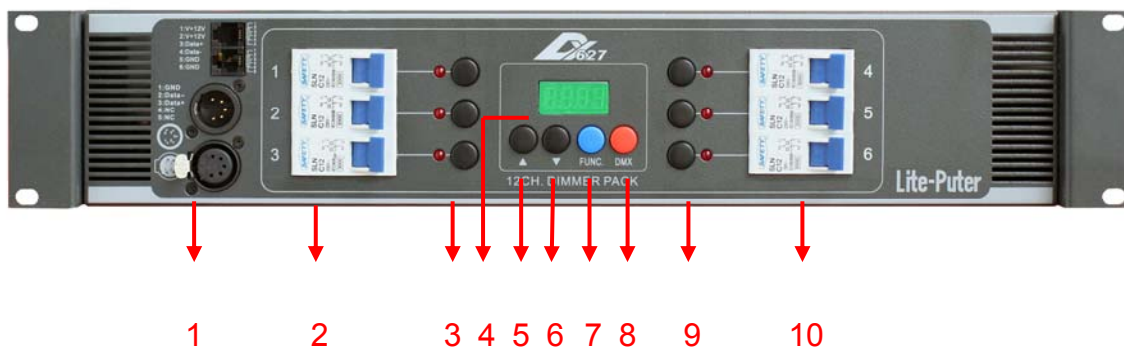
1-1 Feature

- 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.

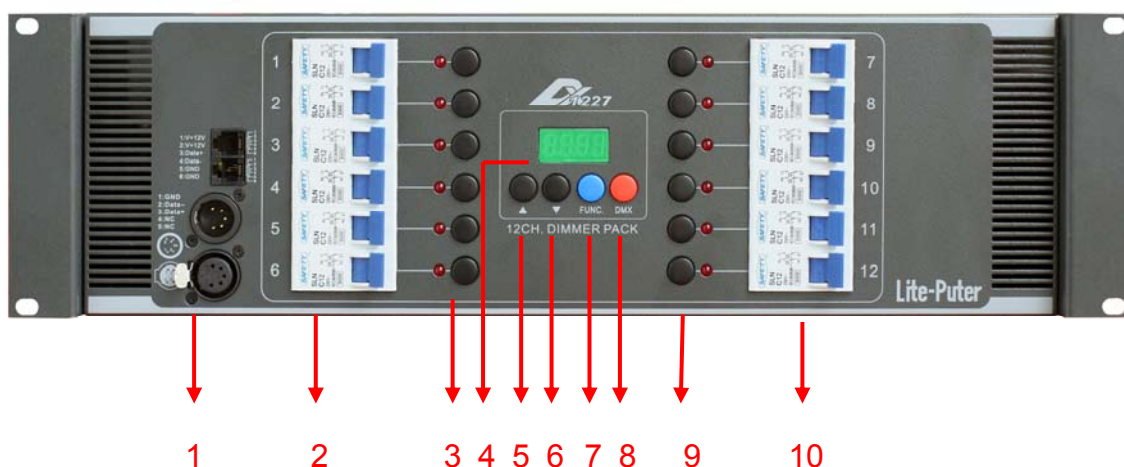
1-2 Specification

■ Power	AC 100-240V, 45---63Hz, 3Ø4W
Output	Maximal output is 12A per channel (Please refer to the safety Introduction)
■ Protocol	DMX512
■ Analog Signal Connector (x2)	XLR 5-pin(Male x1, Female x1), 6p4c phone jack
■ Dimension	DX-627(Harting) : 482(W) x 88(H) x 385(D)mm DX-627(Terminal): 482(W) x 88(H) x 395(D)mm DX-1227(Harting) : 482(W) x 132(H) x 385(D)mm DX-1227(Terminal) : 482(W) x 132(H) x 395(D)mm
■ Location	DX-627 : 19" 2U Standard rack DX-1227: 19" 3U Standard rack
■ Weight	DX-627 : 10 Kg DX-1227: 15 Kg

1-3 Operation Panel Function Introduction



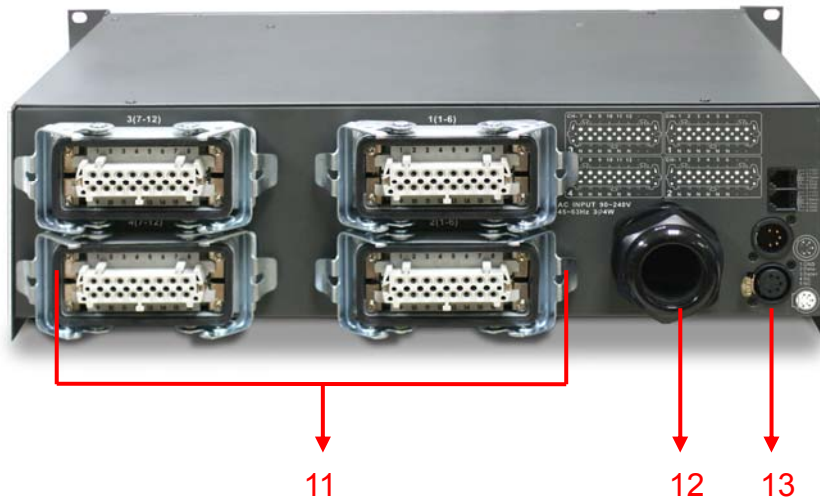
(1) DMX IN (Phone jack)	(6) ▼ BUTTON
(2) N.F.B (1-3CH)	(7) FUNCTION BUTTON
(3) BUTTON (1-3CH)	(8) ENTER BUTTON
(4) LED DISPLAY	(9) BUTTON (4-6CH)
(5) ▲ BUTTON	(10) N.F.B (4-6CH)



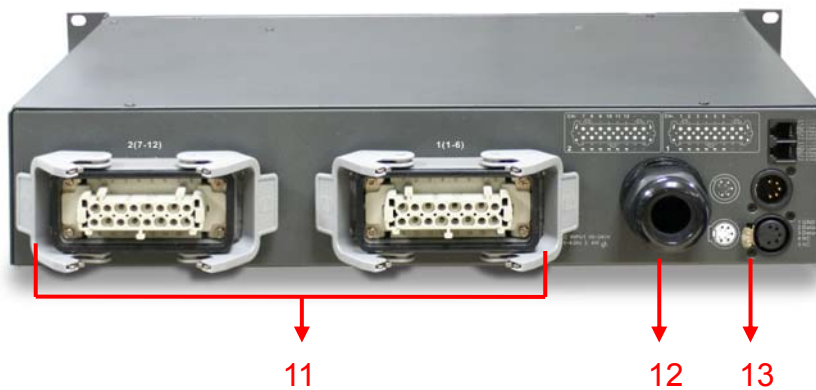
(1) DMX IN (Phone jack)	(6) ▼ BUTTON
(2) N.F.B (1-6CH)	(7) FUNCTION BUTTON
(3) BUTTON (1-6CH)	(8) ENTER BUTTON
(4) LED DISPLAY	(9) BUTTON (7-12CH)
(5) ▲ BUTTON	(10) N.F.B (7-12CH)

1-4 Output Rear Panel Introduction

Harting Type :

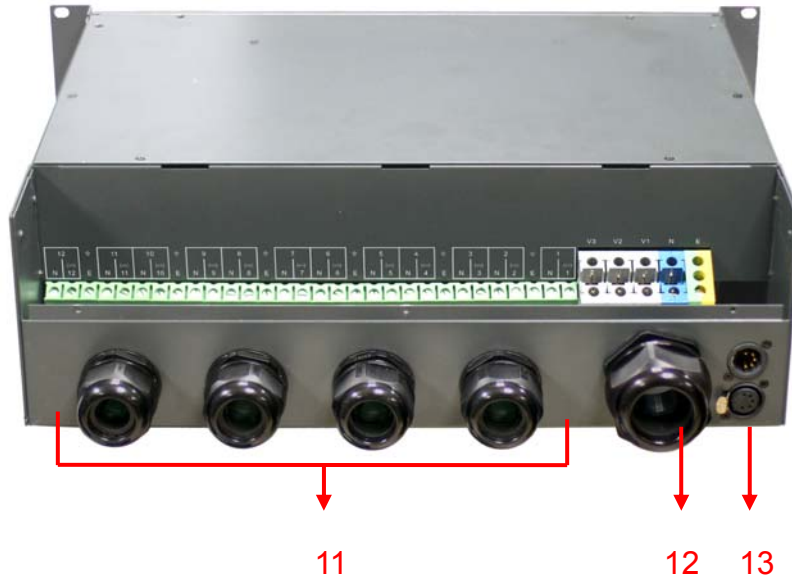


(11) Output Harting board	(13) DMX IN (RJ11, XLR-5 pin)
(12) Power input	

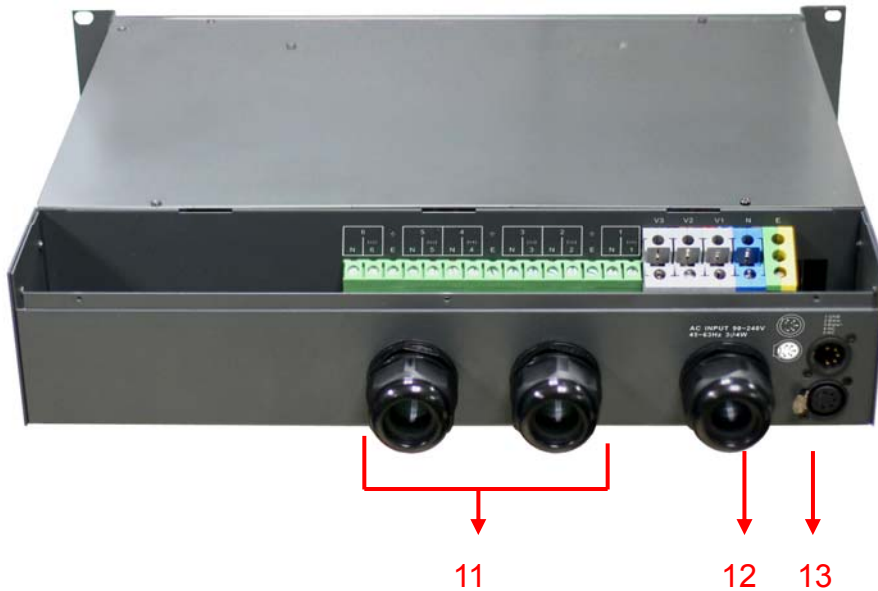


(11) Output Harting board	(13) DMX IN (RJ11, XLR-5 pin)
(12) Power input	

Terminal Type :

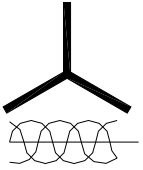
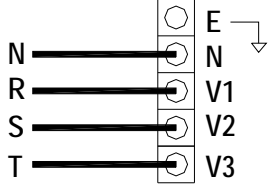

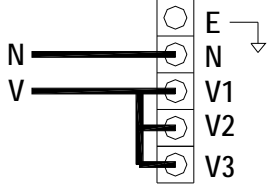


(11) Output Terminal board	(13) DMX IN (XLR-5 pin)
(12) Power input	



(11) Output Terminal board	(13) DMX IN (XLR-5 pin)
(12) Power input	

1-5 Wiring Diagram

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

Chapter 2 Operation

2-1 Standard DMX 512 Signal



This point is flashing when receiving DMX signal.

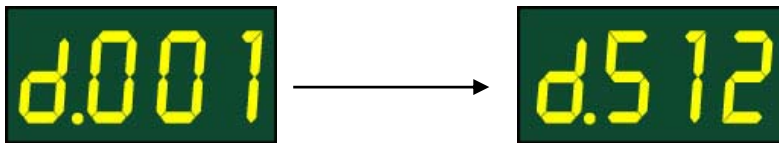
2-2 DMX Start Address Setting

STEP-1 Hold **【ENTER】** ,press **【▼】** or **【▲】** to find the start address setting.

【ENTER】 + **【▲】** : move number forward.

【ENTER】 + **【▼】** : move 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 to channel 6.
2. As the start channel is d.007, the output is from channel 7 to 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 **【▼】** or **【▲】** 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 up.

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 displays 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.

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DX-627/DX-1227 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

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Lite-Puter

World Headquarter:

Lite-Puter Enterprise Co., Ltd.

Address: 9F, No. 196, Sec. 3, Da Tung Rd., Shijr City, Taipei, Taiwan

Zip Code: 22103

Tel: +886-2-86472828

Fax: +886-2-86472727

Website: www.liteputer.com.tw

E-mail: sales@liteputer.com.tw

Shanghai Factory:

Lite-Puter Technology (Shanghai) Co., Ltd.

Address: Building B5, No. 298, Lane 3509, Hongmei S. Road, Shanghai, China

Zip Code: 201108

Tel: +86-21-54408210

Fax: +86-21-64978079

Shanghai Sales Center:

Address: Room 701, Building Gem, No. 487, Tianlin Road, Shanghai, China

Zip Code: 201103

Tel: +86-21-33674316/33674850

Fax: +86-21-33674013

Website: www.liteputer.com.cn

E-mail: sales_china@liteputer.com.tw