

USER MANUAL

LDX-610

6 Channel LED Dimmer Pack



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0 Before Installation

0-1 Instructions

In order to maintain the operation of LDX-610, please follow the instructions as below:

1. Make sure the voltage spec of the LED lamps and connect proper DC power supplier.
2. The maximum output of each channel is 10A.
3. The LED outputs of LDX-610 is DC 24V constant voltage.
4. LDX-610 must keep decent ventilation.

0-2 Operating Environment

1. Temperature: <35°C
2. Humidity: 10% – 90%

1 Introductions

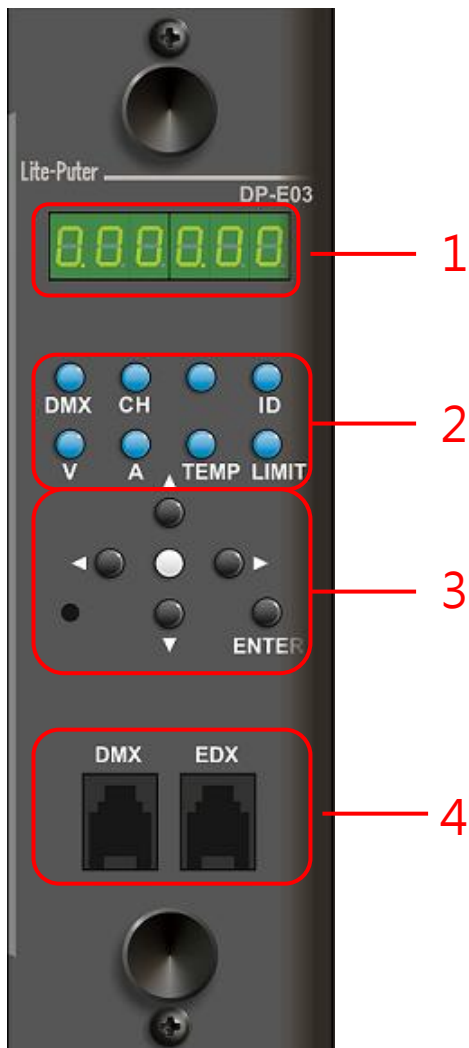
1-1 Features

1. Instant replaceable dimming modules.
2. External power supplier is not need
3. Fine Dimming Effect
4. Channel Limited output
5. Dimming module independent display
6. Thermal-controlled fan (start: 40° ; close: 85° ; restart: 37°)
7. Overheating protection

1-2 Specifications

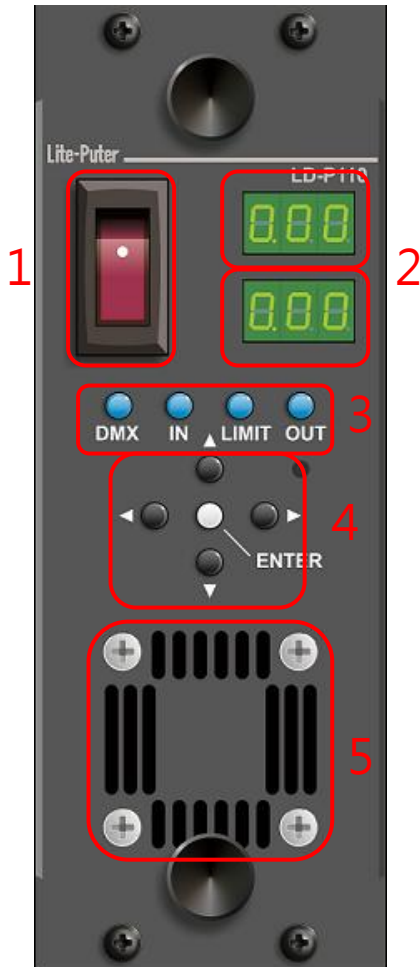
1. Input: AC 100-240V
2. Output: DC 24V, 10A Max per channel (constant voltage)
3. Protocol: DMX-512/EDX
4. Dimension: 483mm(W)*176mm(H)*310mm(D)
5. Weight: 16.5kg

1-3 DP-E03 Interface



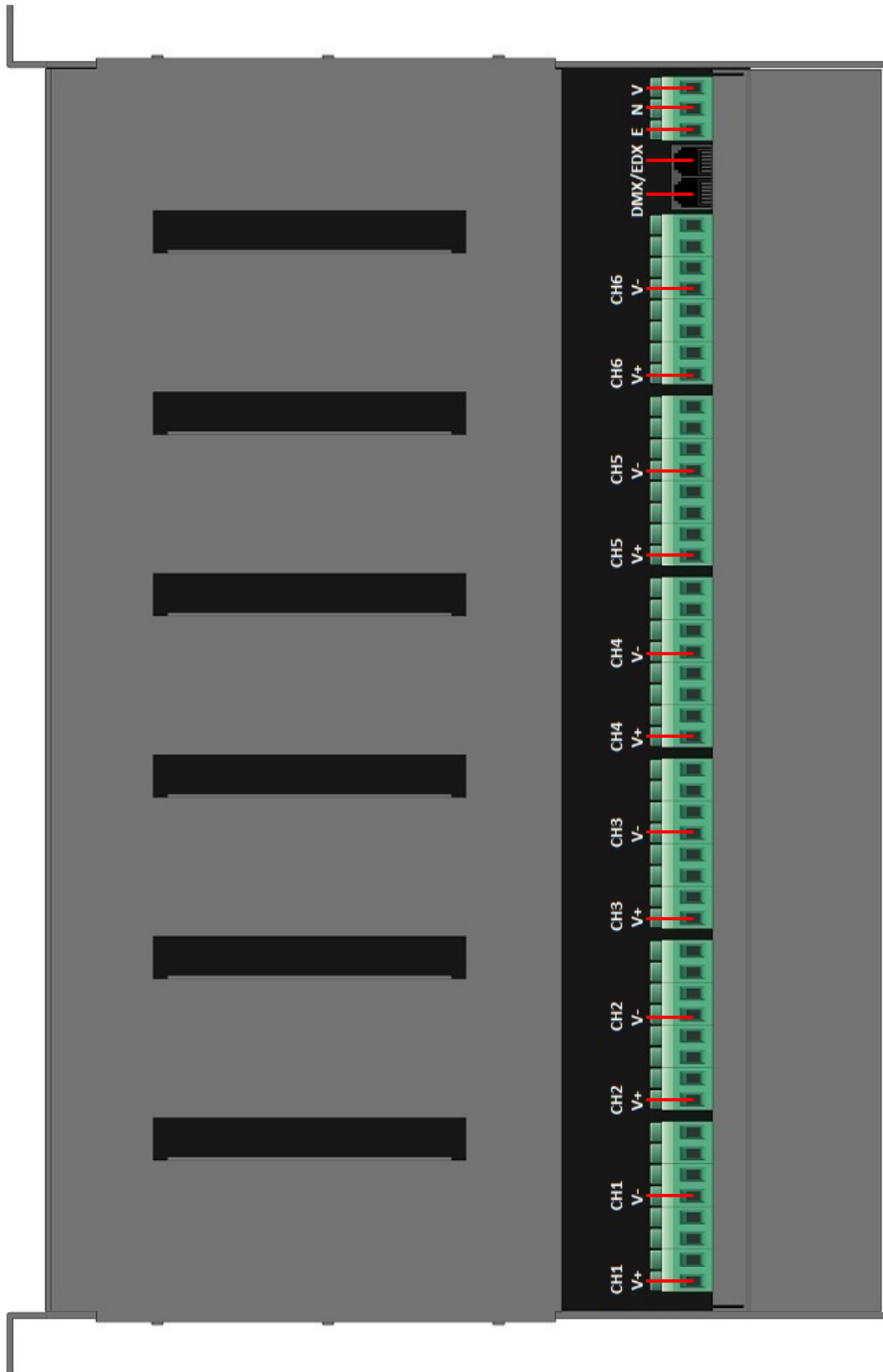
1	LED Display
2	[DMX] , [CH] , [ID] , [V] , [A] , [TEMP] , [LIMIT]
3	[↑] , [↓] , [▶] , [◀] , [ENTER]
4	DMX-512 / EDX terminal

1-4 Dimming Module (LD-P110) Introductions



1	AC Power Switch
2	Display Screen
3	【DMX】 , 【IN】 , 【LIMIT】 , 【OUT】
4	【↑】 , 【↓】 , 【▶】 , 【◀】 , 【ENTER】
5	Fan Cooling hole

1-5 Terminal Wiring



2 Operations

2-1 DMX Position

STEP-1: DP-E03 press **【DMX】** , LED displayed:



It means the first module is DMX001, press **【◀】** or **【▶】** to select module 01-06, and then check DMX position. Module 01-06 can simultaneously display DMX position of each module and channel output level; LED of module 01 is displayed as below:



DMX Position



Channel output level

STEP-2: LD-P110: press **【DMX】** for 3 seconds, LED displayed:



DMX Position



ADDRESS

The current DMX position is blinking, press **【▲】** , **【▼】** to select DMX position numbers, and press **【ENTER】** to finish editing and back to the main picture.

2-2 Channel Output Level

STEP-1: DP-E03 press **【CH】** , LED displayed:



It means the current channel output level of the first module is 0%. Press **【◀】** or **【▶】** to choose module 01-06 and check the output level of each module.

Module 01-06 can display output level of each module at the same time, the same as 2-1 STEP-1.

2-3 ID Address

STEP-1: DP-E03 press **【ID】** , LED displayed:



It means the ID address of LDX-610 is 001.

2-4 Voltage & Current

STEP-1: DP-E03 Press **【V】** or **【A】** , LED displayed:



It means voltage of the first module is 24V, press **【◀】** or **【▶】** to choose module 01-06 and check voltage of each module;

voltage of the first module is 10V, press **【◀】** or **【▶】** to choose module 01-06 and check current of each module;

Module 01-06 can display voltage and current value of each module at the same time; LED of module 01 is displayed as below:



STEP-2: LD-P110 press **【IN】** or **【OUT】** that voltage and current value of the module can be displayed, and the current value is varied by output level.

2-5 Check Temperature

STEP-1: DP-E03 press **【TEMP】** , LED displayed:



It means temperature of the first module is 25°C, press **【◀】** or **【▶】** to choose module 01-06 and check temperature of each module. Module 01-06 can display temperature of each module at the same time; LED of module 01 is displayed as below:



STEP-2: LD-P110 press **【ENTER】** that temperature of the module can be displayed and the temperature is varied by output level.

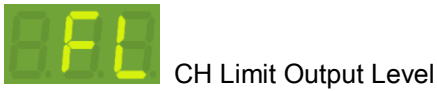
Provided one of module is higher than 45°C, the fan and its main fan starts; provided higher than 85°C, the module stops output; provided lower than 37°C, close the fan and restart. All module fans are independent temperature controlled and they are not affected by the other module temperature. When all modules are lower than 37°C, the main fans close.

2-6 Channel Limit Output Level

STEP-1: DP-E03 press **【LIMIT】** , LED displayed:



It means the first CH limit output level is FL(100%), press **【◀】** or **【▶】** to choose module 01-06 and check limit level of each channel. Module 01-06 can display level of each channel at the same time; LED of module 01 is displayed as below:



STEP-2: LD-P110 press **【ENTER】** that the channel limit output is continued blinking, and press **【▲】** , **【▼】** to choose DMX position level, and press **【ENT】** to finish editing and back to the main screen.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.
2. Lite-Puter warrants to repair any manufacturing defects within one year of distribution date.
3. Lite-Puter does not offer on-site service. Should a defect appear in Lite-Puter' s product, please deliver the product to local distributors or Taiwan Headquarters.
4. This Limited Warranty does not cover:
 - a. Any fault caused by false usage or imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)
 - b. Force majeure factors (flooding, earthquake, volcanic eruption, or other factors beyond Lite-Puter' s control).
 - c. Labor costs incurred in diagnosis of defects; installation, reinstallation, wiring, rewiring, repairing, adjustment, or reprogramming of a product; or any other consequential expenses.
 - d. Other Lite-Puter or non-Lite-Puter products or devices offered, packaged, or sold with the product.
5. Lite-Puter does not warrant that the product will operate without interruption or free of error.

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