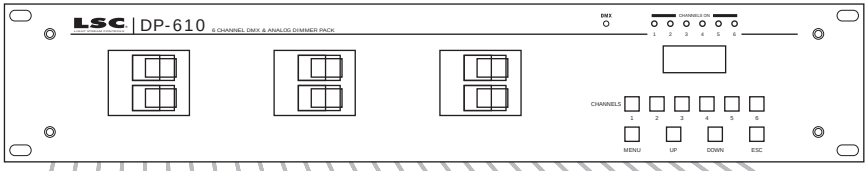
English

LSC
LIGHT STREAM CONTROLS

DP-610

6 CHANNEL DMX & ANALOG DIMMER PACK

USER'S MANUAL



Please read before use

LSC
LIGHT STREAM CONTROLS

DP-610

Improvement and changes to specifications, design and this manual, may be made at any time without prior notice.

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Features

Thank you for your purchase. This product features include:

- Microcomputer control
- Separate DMX addressing for each channel
- Each channel can be programmed with the DMX address, and the preheat of the lamps
- 12 chase programs can be recalled as required, chase speed is adjustable
- Chase programs 1-12, DMX Hold, Analogue can be selectable in the event that DMX failure.
- Phase correction activates linear dimming(0-100%).
- Control curve can be selectable from Linear/Switch/Square.
- Analogue input works without any adjustment
- The short circuit protection for each channel with the use of 10A circuit breaker
- LCD shows clear menu and vivid dynamic images
- Electronic protection against over temperature and short circuits.
- Power failure memory

General Instructions

Please read through this operating instructions before installing or using your new product. After you have finished reading the instructions, put them away in a safe place for future reference.

⚠ WARNING!

This product must be earthed.

To prevent fire or shock hazard, do not expose this product under high temperature or moisture area.

Do not make any inflammable liquids, water or metal objects enter the unit.

No user serviceable parts inside, do not attempt repairs. Should you product fail, contact your local dealer.

⚠ CAUTION!

This product is intended for indoor use only.

Provide occasional ventilation during use.

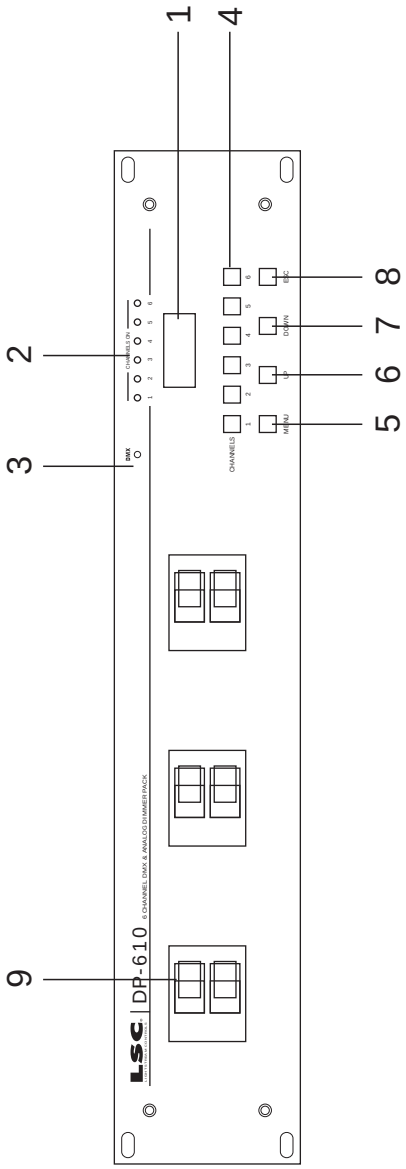
Disconnect the power when not use for extended period.

Do not use the unit in places subject to excessive humidity, vibration or bumps.

Do not dismantle or modify the unit.

1. Overview

1.1 Front View



1. Overview

1.1 Front View

1. 2x8 LCD Display

Shows the current activities or adjustments of menus.

2. Channel LEDx6

These LEDs show the activities of corresponding channels.

3. DMX LED

This LED blinks when DMX signal is present.

4. Channel Buttonx6

These buttons are used to change the intensity of corresponding channel.

5. MENU Button

Tap this button to enter basic menus or sub-menus.

6. UP Button

Tap this button to scroll through menus or to increase values .

7. DOWN Button

Tap this button to scroll through menus or to decrease values .

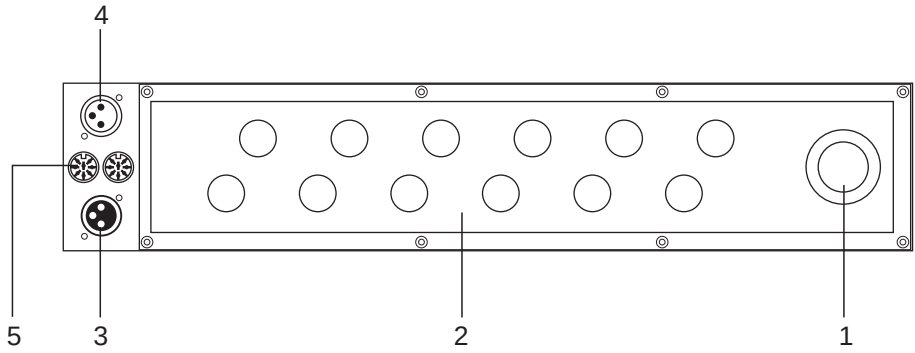
8. ESC Button

Tap this button to go back last menu level or to leave menu system.
In Beginning menu, this button is used to reverse the change direction of channel setting.

9. Circuit Breakerx6(10A)

1. Overview

1.2 Rear View

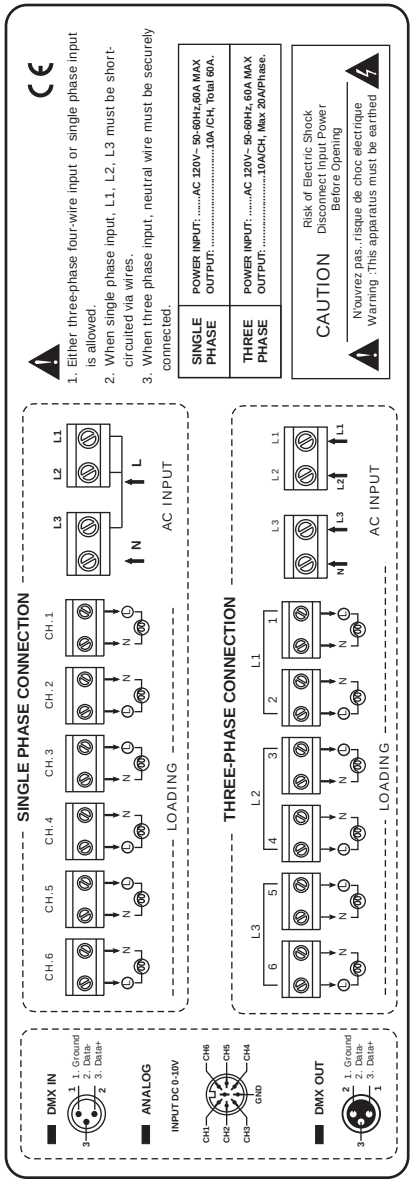


1. Power Input
   AC 120V~50/60Hz,60A max.
2. Terminal Output
   Single phase: 10A/CH., Total 60A
   Three phase: 10A/CH., Total 20A
3. DMX OUTPUT
   This connector sends DMX signal through to the next DMX device.
4. DMX INPUT
   This connector accepts DMX input signal.
5. Analogue Input
   DC 0-10V pulse signal.

(For details, please refer to the wiring diagram printed on the top cover.)

1. Overview

1.2 Rear View



2. Menu System

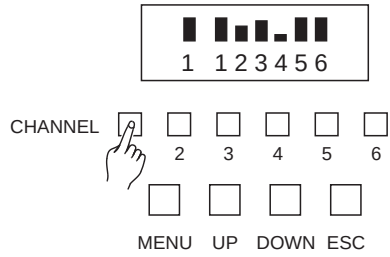
2.1 Beginning Menu

Apply power to this unit, firstly the LCD reads the revision of software, then Beginning Menu is displayed. Beginning Menu consists of a row of dynamic images and a row of characters , the first row represents the intensity value, and the second row indicates the channel.

2.1.1 Adjust channel intensity temporarily

Tap the channel button to select desired channel intensity, each tap will change intensity once.

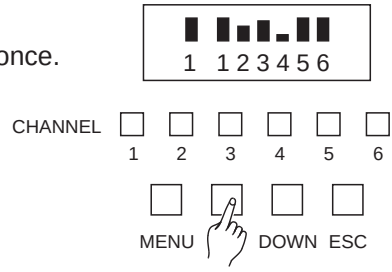
Pressing the button for two seconds changes channel intensity quickly. Tap ESC button, changing direction of channel intensity will be reversed.



2.1.2 Adjust whole intensity temporarily

Tap UP/DOWNl button to select desired intensity, each tap will change intensity once.

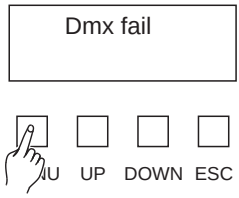
Pressing the button for two seconds changes channel intensity quickly.



2. Menu System

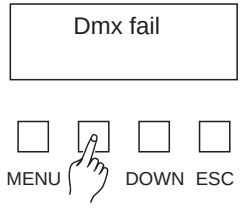
2.2 Basic Menus

In Beginning Menu, tap MENU button to enter Basic Menus system.
There are 5 menus: DMX Fail, Phase Correction, DMX Address, Preheat and Curve, you can use UP/DOWN button to scroll through the menus.
Tap ESC button to leave Basic Menus system.



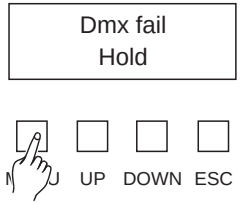
2.2.1 DMX Fail

1. Tap UP/DOWN button to scroll to DMX Fail menu.

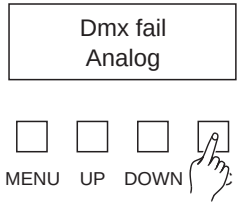


2. Tap MENU button to enter sub-menu system. You can use UP/DOWN button to select Hold/Analog/Prog. 1-12.

[Hold]: Last received DMX signal is held.
[Analog]: The analogue input(0-10v) is activated.
[Prog. 1-12]: Starts internal programs 1-12.



3. If you select Hold or Analog, you can tap ESC button to exit.



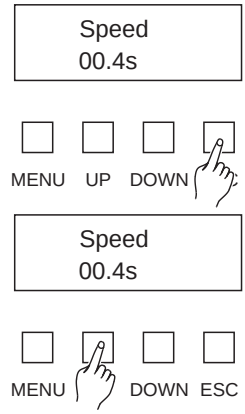
2. Menu System

2.2.1 DMX Fail

4. If you select Prog. 1-12, tap ESC button, speed menu is activated,.

   You can select the chasing speed from 0.1 to 20 seconds using UP/DOWN button.

   After you've finished your setting, tap ESC button to exit.



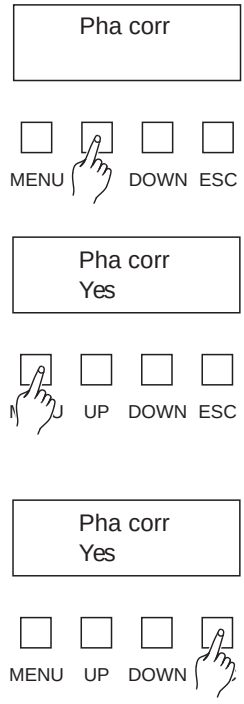
2.2.2 Phase Correction

1. Tap UP/DOWN button to scroll to Phase Correction menu.

2. Tap MENU button to enter sub-menu system. You can use UP/DOWN button to select Yes/No.

   [Yes]: Linear dimming is activated.
   [No]: Non-linear dimming is activated.

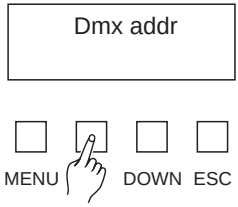
3. Tap ESC button to exit.



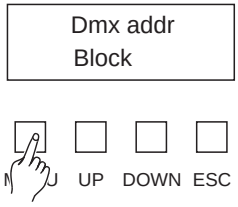
2. Menu System

2.2.3 DMX Address

1. Tap UP/DOWN button to scroll to DMX Address menu.



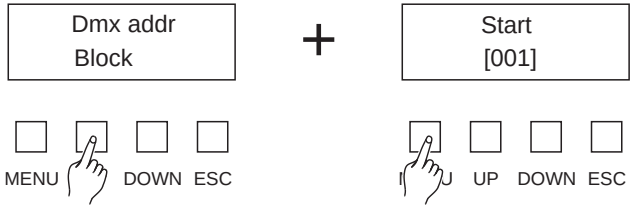
2. Tap MENU button to enter sub-menu system. You can use UP/DOWN button to select Block/Single.



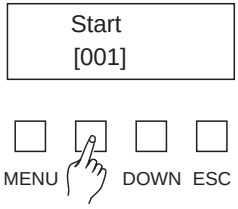
[Block]: Complete dimmer(6 channels) has only one start address.

[Single]: The DMX address of each channel is selectable, several channels can select the same DMX addresses.

3. Tap UP/DOWN button to scroll to Block/Single menu, and tap MENU to enter Block/Single mode.



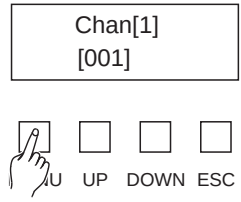
4. In Block mode, you can use UP/DOWN button to select the start address from [001-512].



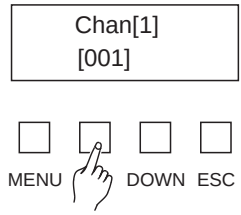
2. Menu System

2.2.3 DMX Address

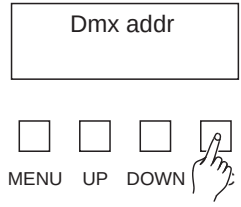
5. In Single mode, tap MENU to select between channel and address.



6. When channel is activated, tap UP/DOWN button to select from [1-6]; when address is activated, tap UP/DOWN button to select from[001-512].

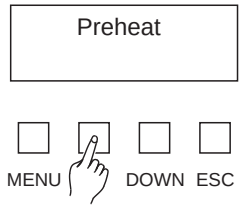


7. Tap ESC button to exit.



2.2.4 Preheat

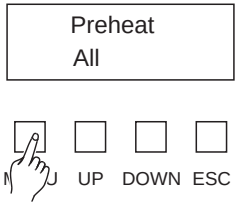
1. Tap UP/DOWN button to scroll to Preheat menu.



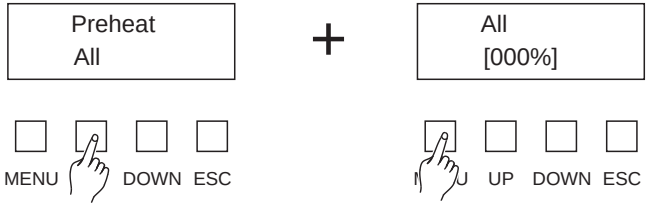
2. Menu System

2.2.4 Preheat

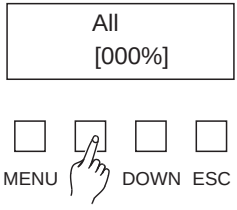
2. Tap MENU button to enter sub-menu system.



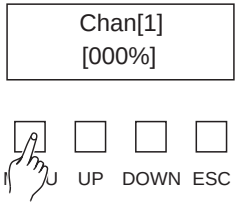
3. Tap UP/DOWN button to select between All/Single mode, and tap MENU to enter All/Single mode.



4. In All mode, tap UP/DOWM to select preheat value of all channels between 000%-050%.



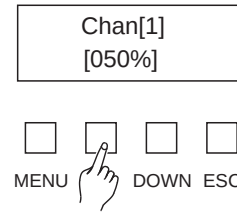
5. In Single mode, tap MENU to select between channel and preheat value.



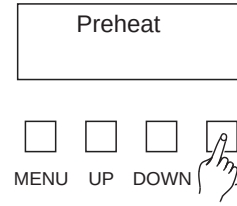
2. Menu System

2.2.4 Preheat

6. When channel is activated, tap UP/DOWN button to select from [1-6]; when preheat is activated, tap UP/DOWN button to select from [000%-050%].

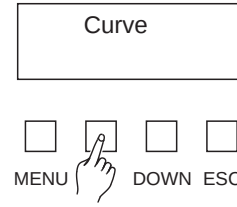


7. Tap ESC button to exit.

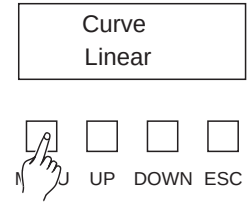


2.2.5 Curve

1. Tap UP/DOWN button to scroll to Curve menu.



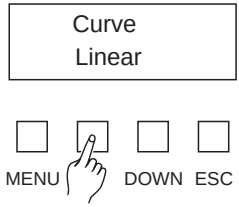
2. Tap MENU button to enter sub-menu system.



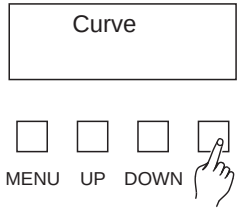
2. Menu System

2.2.5 Curve

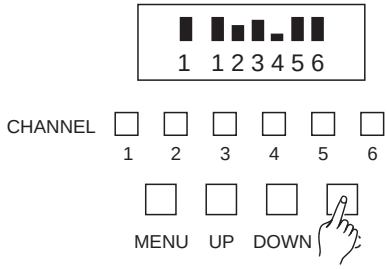
3. Tap UP/DOWM button to select from Linear/ Switch/Square.



4. Tap ESC button to exit.



5. You can tap ESC button to return to Beginning Menu.



Technical Specifications

Power Input ..... AC 120V~50-60Hz
Channel Output(Single phase)..... 10A/CH., Total 60A
Channel Output(Three phases)..... 10A/CH., Total 20A per phase
DMX Output ..... 3 pin female XLR socket
DMX Input ..... 3 pin male XLR socket
Analogue Input ..... 0-10V, 8-pin DIN socket
Dimensions 482x390x90mm
Weight(appro.) ..... 9.0 kg

24-004-0893

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