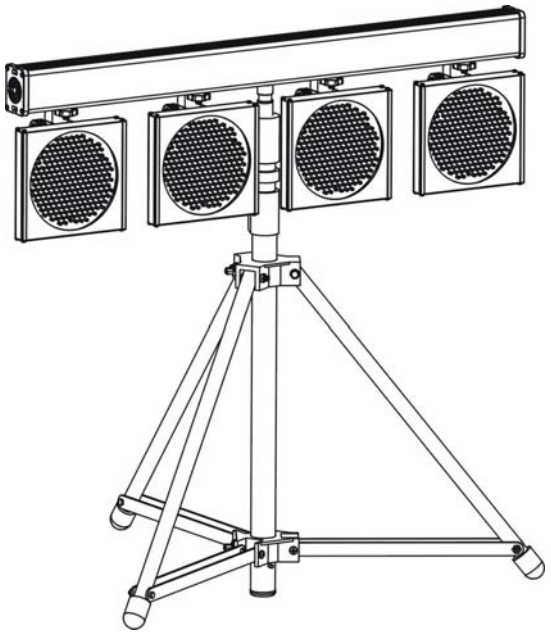
THIN & LIGHT PACK

By Acme

LPB-4P



User Manual

Professional Entertainment Technology

EC - Declaration of Conformity

We declare that our products (lighting equipments) comply with the following specification and bears CE mark in accordance with the provision of the Electromagnetic Compatibility (EMC) Directive 89/336/EEC.

EN55014-2: 1997 A1: 2001, EN61000-4-2: 1995; EN61000-4-3: 2002;

EN61000-4-4: 1995; EN61000-4-5: 1995, EN61000-4-6: 1996,

EN61000-4-11: 1994.

&

Harmonized Standard

EN60598-1: 2000+ALL: 2000+A12: 2002

Safety of household and similar electrical appliances

Part 1: General requirements

TABLE OF CONTENTS

Package include: 4 pcs x LED panel (LP-212)
1 pc x LED power bar (LPB-4)
1 pc x 10 m signal cable
1 pc x 5m power cable
1 pc x stand adapter

1. Safety Instruction

WARNING

Please read the instruction carefully which including important information about the installation, operation and maintenance

- Please keep the User Manual for future consultation. If you sell the package to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the package.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the package.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- The package is for indoor use only. Use only in a dry location.
- The package must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Disconnect mains power before servicing.
- Replace fuse only with the same type.
- Make sure there is no flammable materials close to the package while operating as it is fire hazard.
- Use safety cable when fix the package.
- Maximum ambient temperature is Ta: 40℃. Don't operate it where the temperature is higher than this.
- In the event of serious operating problem, stop using the package immediately. Never try to repair the package by yourself. repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized

5. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The package does not work, no light

1. Check the connect power and mains fuse.
2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

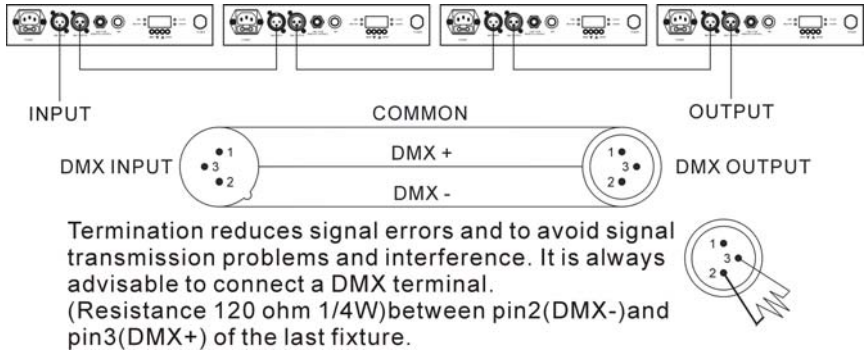
1. DMX LED should be on. If not, check DMX connectors, cables to see if they are linked properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the package or the previous one.
4. Try to use another DMX controller.
5. Check to see if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

6. Fixture Cleaning

The cleaning of external optical lenses must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates, damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the package's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days.

4.6 DMX 512 Connection



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. At last package, the DMX cable has to be terminated with a terminator. Solder a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last package.
3. Connect the package together in a `daisy chain` by XLR plug from the output of the package to the input of the next package. The cable can not be branched or split to a `Y` cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX output and input connectors are pass-through to maintain the DMX circuit, when one of the packages' power is disconnected.
5. Each lighting package needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX 512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+),
   Pin 4/5: Not used

technical assistance center. Always use the same type spare parts.

- ♦ Don't connect the device to any dimmer pack or power pack.
- ♦ Do not touch any wire during operation as high voltage might be causing electric shock.

Warning

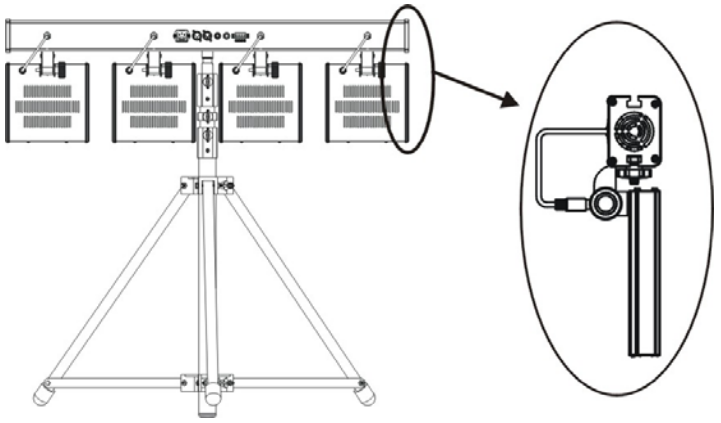
- ♦ To prevent or reduce the risk of electrical shock or fire, do not expose the package to rain or moisture.
- ♦ Do not start on the package when housing are damaged.
- ♦ The housing must be replaced if they are visibly damaged.

Caution

There are no user serviceable parts inside the package. Do not open the housing or attempt to repair by yourself. In the unlikely event your package may require service please contact your nearest dealer.

Installation

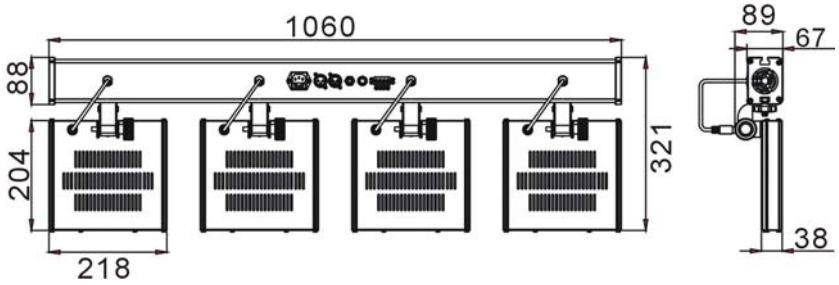
The package is designed to be mounted on a light stand (sold separately). Always ensure that the package is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the package is secure and is able to support the weight of 10 times of the package's weight.



(Stand option)

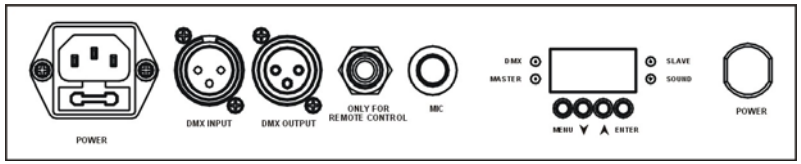
2. Technical Specification

- **Input Voltage**: AC 120~240V~50/60Hz
- **Power consumption:** 67W
- **Light Source:** total 212 LED (red:70, green: 71, blue: 71, per panel LP-212)
- **Fuse:** T 3.15A
- **Three channel mode:** 4 channels & 13 channels & 16 channels
- **Dimension:** 1060 x 67 x 88 mm (LPB-4)
  218 x 38 x 204 mm (LP-212)
- **Weigh**t: 9.2kgs (LPB-4P：1 x LPB-4 + 4 x LP-212)



3. How To Set The Package

3.1 Control Panel



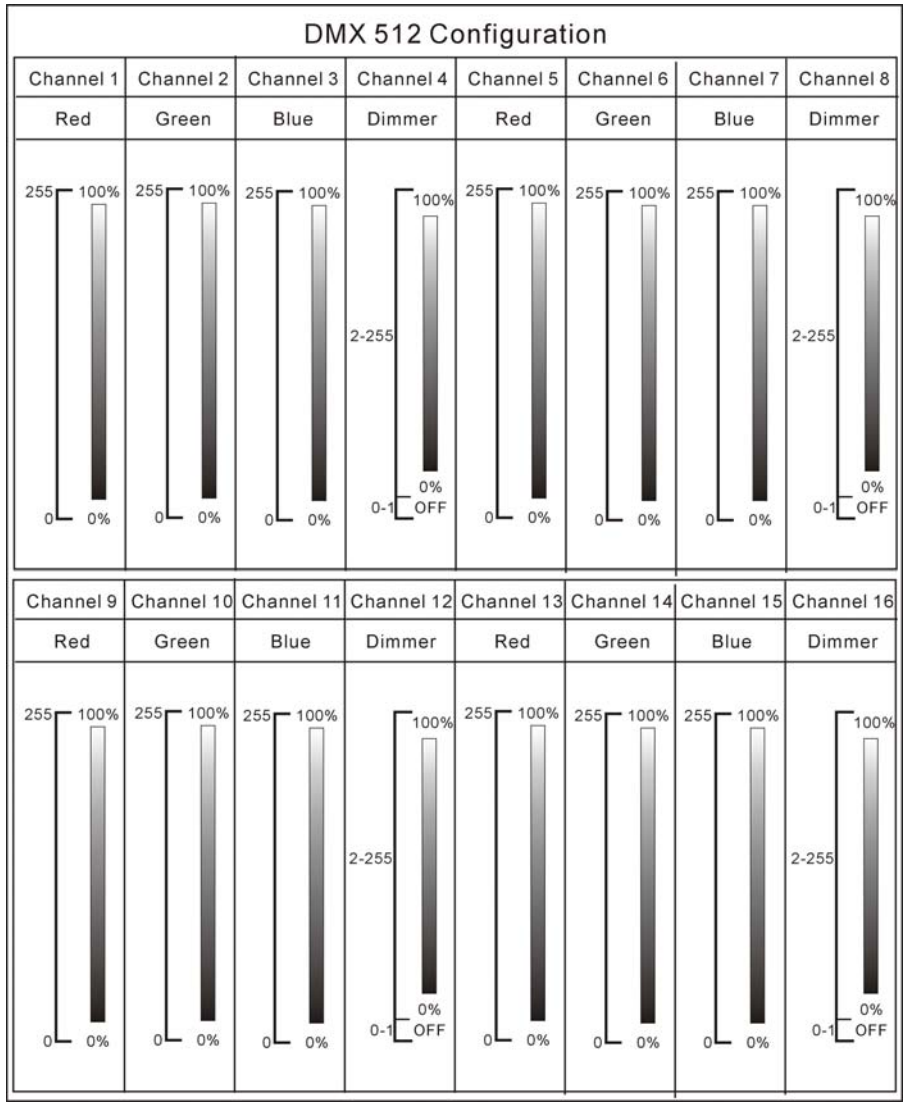
Display

To show the various menus and the selected functions

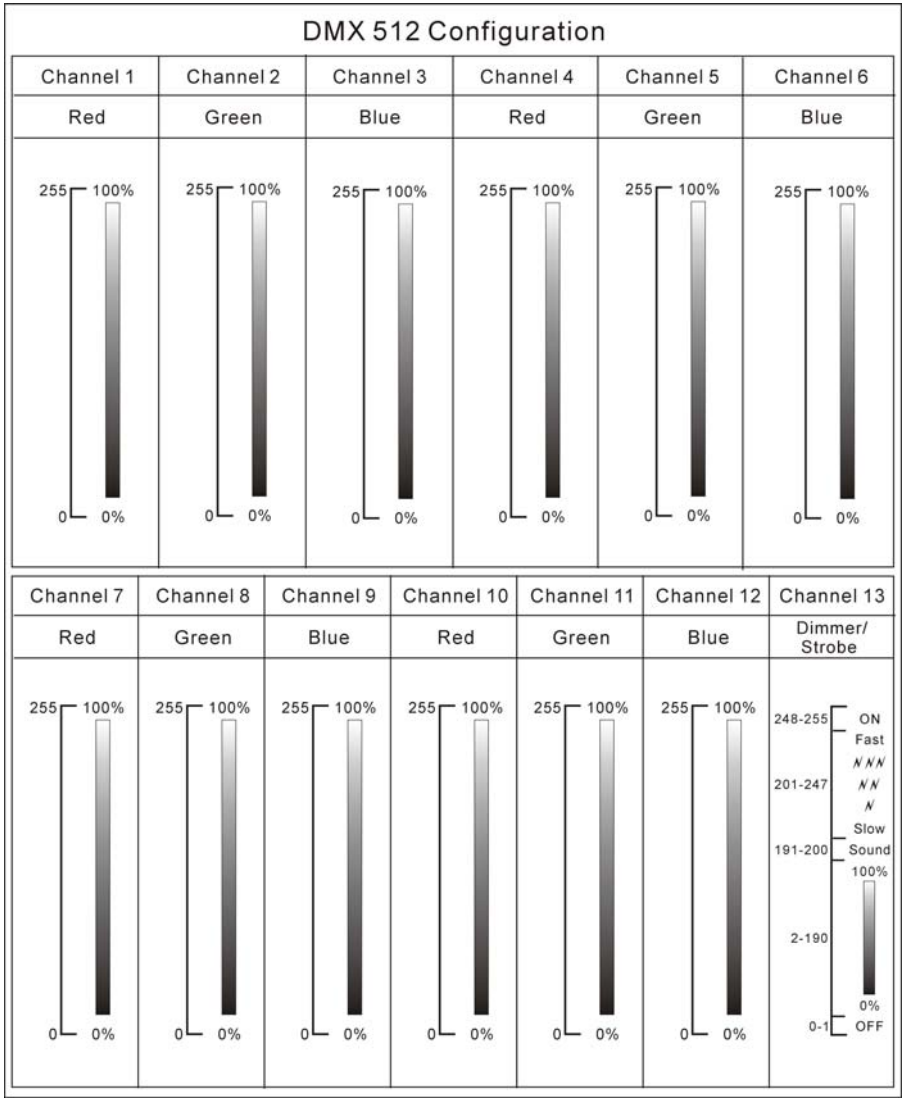
LED

DMX	On	DMX input present
MASTER	On	Master Mode
SLAVE	On	Slave Mode
SOUND	Flashing	Sound activation

16 channels mode:



13 channels Mode:



Button

MENU	To select the programming functions
▼ DOWN	To go backward in the selected functions
▲ UP	To go forward in the selected functions
ENTER	To confirm the selected functions

Mains input

IEC socket and integrated fuse holder, connect to main power cable.

4-pin flight connector

Provide power and signal for LED panel (LP-212)

Only for remote control

By connect to the 1/4'' microphone jack to control the package for Stand by, Function and Mode function.

Microphone

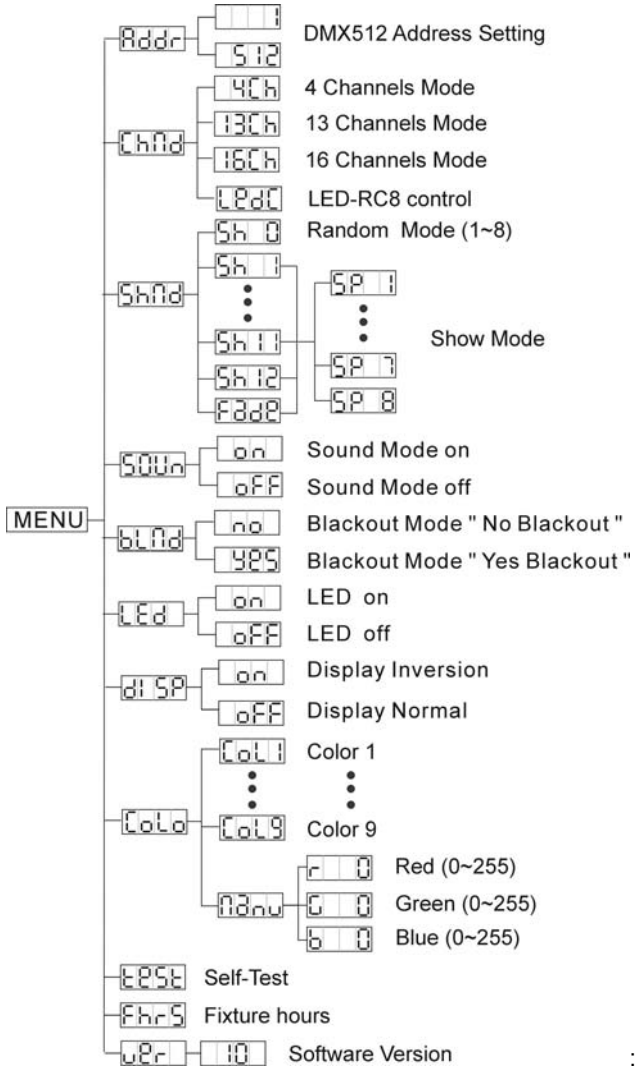
Receive the music for sound control

DMX input/output

For DMX512 link, use 3-pin XLR plug cable to link the packages together.

3.2 Main Function

To select any of the given functions, press the **MENU** button up to when the required one is showing on the display. Select the function by **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup or it will automatically return to auto show without any change after one minute. To go back to the last functions without any change press the **MENU** button. The main functions are showing below



:

Addr DMX 512 Address Setting

Press the **MENU** button up to when the Addr is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

4.4 DMX Controller

Use universal DMX controller to control the packages, you have to set DMX address from 1 to 512 channel so that the packages can receive DMX signal.

Press the **MENU** button up to when the Addr is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to change the DMX512 address. Once the address has been selected, press **ENTER** button to store. To go back to the functions without any change press the **MENU** button. Please refer to the following diagram to address your DMX512 channel for the first 4 packages.

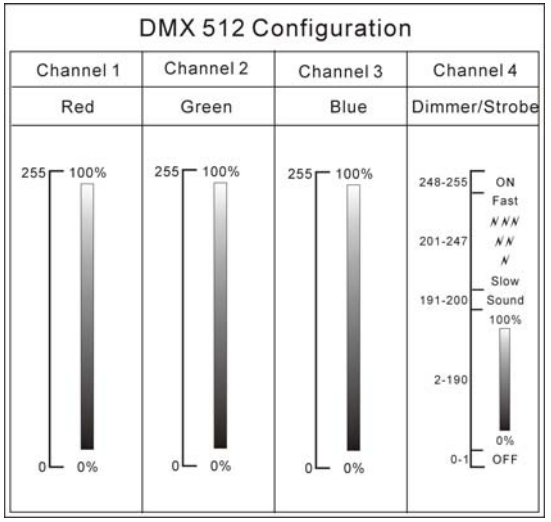
4 channels mode: 001 005 009 013

13 channels mode: 001 014 027 040

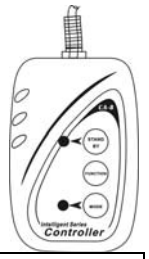
16 channels mode: 001 017 033 049

4.5 DMX 512 Configuration

4 Channels Mode:



4.2 Easy Controller



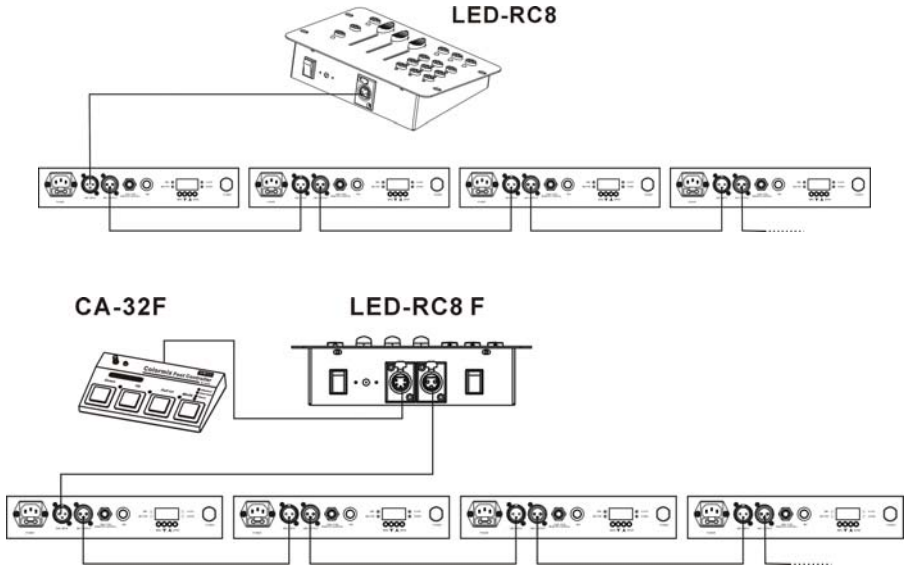
The easy remote control is used only in master/slave mode. By connecting to the 1/4" microphone jack of the first package, you will find that the remote control on the first package will control all the other packages for stand by, function and mode function.

Stand By	Blackout the package			
Function	1.Synchronous strobe in white 2. Synchronous strobe in rainbow 3. sound strobe in white 4. sound strobe in rainbow	Color 1-9 or manual color	Show 1-12 or fade	Show speed 1. Slow 2. Medium 3. Fast
Mode	Sound (LED OFF)	LED On	LED slow blinking	LED fast blinking

4.3 LED Mood Commander

Use LED Mood Commander to control the packages, the Auto addressing function of the LED Mood Commander must be used in order for it to communicate with the packages. (See LED Mood Commander user manual for full details on setting remote DMX).

Please contact the packages as the diagram below (42 packages max):



ChnD Channel Mode

Press the **MENU** button up to when the ChnD is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the 4Ch (4 channels mode) or 13Ch (13 channels mode) or 16Ch(16 channels mode) or LEdC (LED-RC 8 control). Once selected, press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

(**ATTENTION**: the universal DMX controller will not work if you select LEdC mode.)

ShnD Show Mode

Press the **MENU** button up to when the ShnD is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the Sh 0 (Random show: show 1, show 2 … show 12 or fade run at random) or Sh 1 (show 1) or … Sh 12 (show 12) or FAdE (fade). Press the **ENTER** button to confirm, when you choose Sh 1 … or Sh 12 or FAdE, you can press **UP/DOWN** button to select the speed SP 1 (fast) … or SP 8 (slow) , once selected, press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

SOUn Sound Mode

Press the **MENU** button up to when the SOUn is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (Sound Mode on) or oFF (Sound Mode off) mode. This function can only be effected when you choose Sh 0 in the show mode. Press the **ENTER** button to store (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

bLnD Blackout Mode

Press the **MENU** button up to when the bLnD is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the

YES (yes blackout) or no (no blackout) mode. Press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

LEd Led Display

Press the **MENU** button up to when the LEd is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (the display will be always on) or the oFF (the display will be off one minute after exit main functions). Once the mode has been selected, Press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

dISP Display Inversion

Press the **MENU** button up to when the dISP is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the on (display inversion) or oFF (display normal) mode. Once the mode has been selected, Press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

CoLo Color Mode

Press the **MENU** button up to when the CoLo is showing on the display. Pressing **ENTER** button and the display will blink. Use **DOWN** and **UP** button to select the Col1 (red) … or Col9 (white) or MAnU (manual) mode. When you select the manual mode, you can press **UP/DOWN** button to set r 0 (red 0~255: brightness 0%~100%) or G 0 (green 0~255) or b 0 (blue 0~255). Once selected, Press the **ENTER** button to store. (or automatically return to the auto show without any change after one minute) To go back to the last function without any change press the **MENU** button.

tESt Self-Test

Press the **MENU** button up to when the tESt is showing on the display. Pressing

ENTER button, the display will blink, and the fixture will run the built-in program to self-test. To go back to the last function press the **MENU** button.

FHrS Fixture Hours

Press the **MENU** button up to when the FHrS is blinking on the display. Pressing **ENTER** button and the display will show the number of working hours of the package. To go back to the last function press the **MENU** button.

uEr Software version

Press the **MENU** button up to when the uEr is blinking on the display. Pressing **ENTER** button and the display will show the version of software of the package. To go back to the last function press the **MENU** button.

4. How To Control The Package

You can operate the package in four ways:

1. By master/slave built-in preprogram function
2. By easy controller (CA-8/CA-8F)
3. By LED Mood Commander (LED-RC8/LED-RC8 F)
4. By universal DMX controller

No need to turn the package off when you change the DMX address, as new DMX address setting will be effected at once. Every time you turn the package on, it will show type on the display. After that the package will be ready to receive DMX signal or run the built in programs.

4.1 Master/Slave Built In Preprogrammed Function

This function only works when the blackout mode of the first package (master) is set to on. By linking the packages in master/slave connection, the first package will control the other packages to give an automatic, sound activated, synchronized light show. It's input will have nothing plugged into it, the master-LED will always on and the sound-LED will flash to the music.