LIGHT AND EASY

LED-0808

User Guide

Please read these instructions carefully before use

CONTENTS

1. Features

1. Light and Easy is a user friendly LED controller.
2. Designed to work on all 8-Channel LED lighting fixtures
3. Control up to 64 channels of 8 LED groups
4. 8 individual buttons for selecting 8 groups of lighting fixtures
5. LED display for easy navigation
6. 8 Color pre-set buttons
7. 6 saved colour with 4 Banks.
8. 8 Chases, each can save up to 32 steps.
9. 3 operation modes：Auto Chase, Sound Chase, Manual Control.
10. Optional Foot Controller (CA-8F) for ease of operation.

NOTE:

A knowledge of DMX is required to fully utilize this unit.

2. General Instruction

Please read the user manual carefully, as it includes important information regarding details of operation, maintenance, and technical data. Keep this manual with the unit for future consultation.
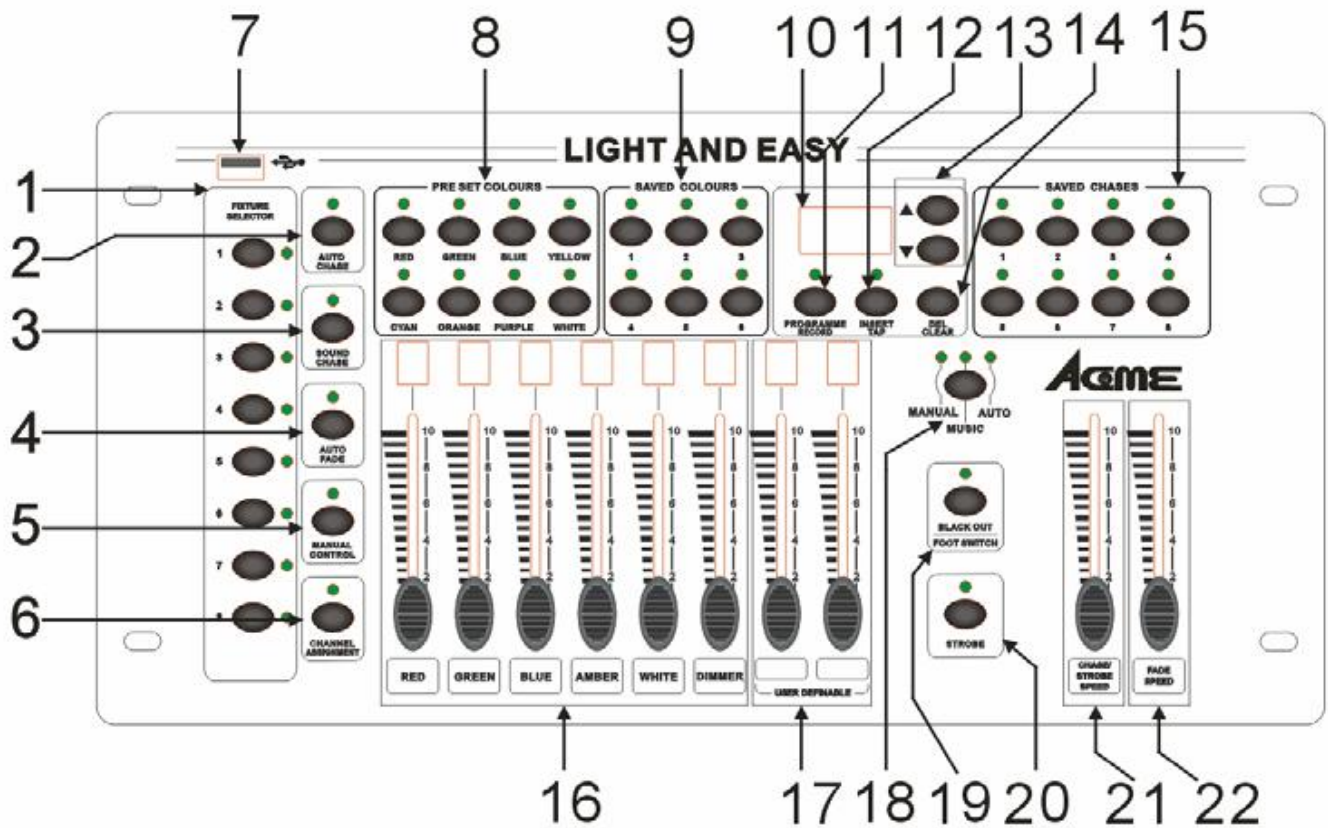
WARNINGS！

- Avoid any inflammable liquids, water or metal objects entering the unit.
- Should any liquid be spilled on the unit, DISCONNECT the power supply to the unit immediately.
- STOP using the unit immediately In the event of serious operation problems and contact your local dealer for a check immediately.
- DO NOT open the unit--there are no user serviceable parts inside.
- NEVER try to repair the unit yourself. Repaired by unqualified people could cause damage or malfunction.

CAUTIONS！

- After removing the packing Make that the unit is NOT damaged in any way. If in doubt, DON'T use it and contact an authorized dealer.
- Packaging material (plastic bags, polystyrene foam, nails, etc.) MUST NOT be left within children's reach, as it can be dangerous.
- This unit must only be operated by adults. DO NOT allow children to tamper or play with it.
- NEVER use the unit under the following conditions:
  In places subject to excessive humidity.
  In places subject to vibrations or bumps.
  In places with a temperature of over 45℃/113℉ or less than 2℃ /35.6℉.
- Protect the unit from excessive dryness or humidity (ideal conditions are between 35% and 80%).
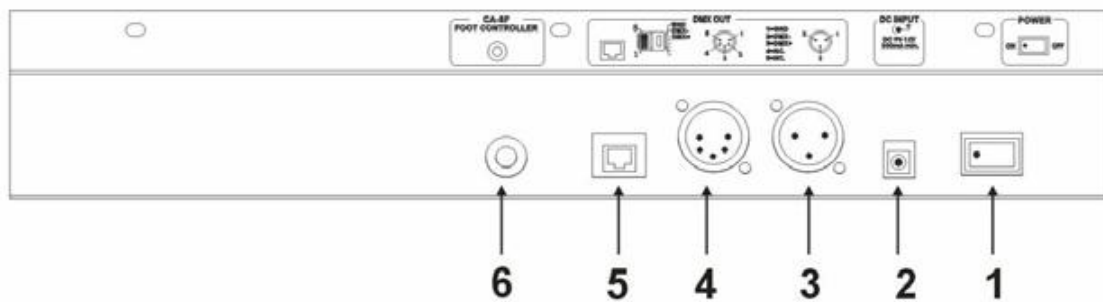- DO NOT dismantle or modify the unit.

3. Overview

3.1 Front View

1. FIXTURE SELECTOR 1-8	use to select fixtures
2. AUTO CHASE	To run the chase automatically
3. SOUND CHASE	Run the chase to the music
4. AUTO FADER	
5. MANUAL CONTROL	Press the button, you can turn to Manual control
6. CHANNEL ASSIGNMENT	Channel assignment
7. USB PORT	Use to update and connect with gooseneck lamp
8. PRESET COLOURS	Setting p，
9. SAVED COLOURS	Select 24 colors by UP/SOWN button
10. LED DISPLAY	The operation states will show on the LED display
11. PROGRAM/RECORD	enter or exit program/record
12. INSERT/TAP	Insert one step/set up a tap for chase
13. UP/DOWN button	Select bank, run chase manually, adjust the sound sensitivity and the times chase auto run

14. DEL/CLEAR	delete preset color, chase or step/clean output
15. SAVED CHASES	use to select chase 1-8
16. FADER 1-6	adjust the output of 1-8 channels
17. USER DIFINITION FADER	Keep for user-defined
18. MANUAL/MUSIC/AUTO	When using the CA-8 to control, the corresponding LED on indicating Manual Mode, Sound Mode or Auto Mode.
19. BLACKOUT/FOOTSWITCH	Blackout/change to the footswitch control status
20. STROBE	strobe
21. CHASE SPEED	Use to adjust the chase speed
22. FADER SPEED	use to adjust the fade speed which show as percentage of the run time

3.2 Rear View

① POWER SWITCH   Power on/off the unit
② POWER IN   9-12DC min 300mA
③ 3pin DMX Out   3 pin DMX-512 output
④ 5pin DMX Out   5pin DMX512 output
⑤ RJ45 CONNECTOR   RJ 45 Cable port
⑥ CA-8F FOOT CONTROLLER   CA-8F connector

4. Operation Guide

Turn on the power, the controller access to the last control status of LED-0808 or CA-8F. Press BLACKOUT/FOOT SWITCH button to switch to LED-0808 or CA-8F control. Follow functions will be available under LED-0808 controlling.

1、CP1.1-CP4.6   Saved colour, 4 banks, each bank with 6 saved colour

2、CAS1-CAS8   chase

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3、ST01-ST32	chase step
4、D000-D255	data
5、0.1 /08.8	chase speed (the interval time between two steps)

    21.30 /60.00

    (1) one digital after radix point: the unit is second

    (2) Two digital after radix point: the digital before radix point is minutes, and the digital after radix point is seconds.

6、P000---P100	fade time: the percent of the chase speed
7、M001-M100	sound sensitivity
8、L001-L200	loop
9、NULL	null
10、LOCH	Lock

4.0 Channel Assignment

Enter programming mode: Hold PROGRAM/REC button for 3 seconds, when the LED display shows "LOCK", you should press

fixture selector button 6 for six times to unlock. That means the code is "666666". Then the PROGRAM/REC button and the LED indicator above the saved colors button as well as the saved chases button will flash indicating program is active.

1. Enter programming mode

2. Press CHANNEL ASSIGNMENT button for 3 seconds, the LED indicator above bright indicating the program is active.

3. Press FIXTURE SELECTOR 1-8 button to choose fixture units.

4. Push FADER 1-8 to assign the color for each channel (1-8), that all depends on the channel of the light. For example, if the first channel of light is blue, then you should push the third fader blue on the position of one, at the same time the display above the fader will show the number "1" on it.

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5. Pressing the PROGRAM/REC button, the all LED indicator flash for 3 times and then go out indicating that has already stored in it successfully.

6. Repeat steps 3-5 to assign all other color for the channel of the assigned lights.

   Note: The value of the fader is 0 to 8, and then 1 to 8 means the channels which you will assign for the fixtures. The value "0" that means you will turn off the channel output. After you finish your setting for the channel turn on/off just press the PROGRAM/REC button once then all the light will flash for 3 times, that means you have saved the setting successfully.

7. Hold CHANNEL ASSIGNMENT button for 3 seconds to exit the channel assignment mode, and the LED indicator above it will be off. Or hold PROGRAM/REC button for 3 seconds to exit programming mode.
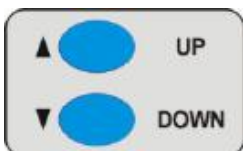
4.1 Store Saved Colour (Scene)

1 Enter programming mode.

2 Press FIXTURE SELECTOR 1-8 button to choose units.

3 Push fader FADER 1-8 to adjust the output.

4 Press PROGRAM/REC button.

5 Press UP/DOWN button to choose bank 1-6 to store saved color (Jump this step if you have chosen a bank before).

6　Press SAVED COLOURS button, all LED indicator flashing for 3 times and then go out, the corresponding LED flashing indicating that has already stored successfully (when the LED indicator off, means there is null color saved).

7　Repeat steps 2-6 to store more saved color.

8　Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED indicator above PROGRAM/REC will be off.

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4.2 Delete saved Color (Scene)

1　Enter programming mode.

2　Use UP/DOWN button to choose bank 1-6 the saved color
　　(Jump this step if you have chosen bank before).

3　Hold DEL/CLEAR button, press SAVED COLOURS 1-6, all LED flashing for 3 times and then go out, the corresponding LED off indicating the saved color have deleted successfully.

4　Repeat 2-3 steps to delete more color presets.

5　Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED above PROGRAM/REC button will be off.

4.3 Program Chase

1　Enter programming mod.

2　　　　　　Press CHASE 1-8 button to choose chase which desired to store in.

3　Press FIXTURE SELECTOR 1-8 button to choose units, pushing fader 1-8 to adjust the light effect, or open a saved color stored.

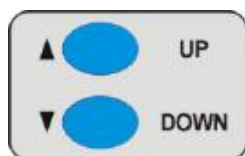4　Press PROGRAM/REC button, all LEDs flashing for 3 times and then go out

indicating that one step has stored successfully (it will show "NULL" and do not store if all outputs are "0").

5   Repeat steps 3-4 to store more steps, each chase 32 steps maximum, it will show "FULL" when up to 32 steps.

6   Repeat steps 2-5 to store more chases.

7   Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED indicator above PROGRAM/REC will be off.

ATTENTION: Before using any saved color or lighting effect, press DEL/CLEAR button to clean the output you set inadvertently, so that you can avoid storing the lighting effect that unwished.

4.4 Insert step to Chase

1   Enter programming mode.

2   Press CHASE 1-8 button to choose the chase desired to insert step.

3   Press INSERT/TAP button, the LED indicator above it will on, the present step will show on the display (for example, it will show "ST00" when there is no step).

4   Use UP/DOWN button to select the position of inserted steps (If you want to insert fifth step, you should set the present step to be "ST05").

5   Press FIXTURE SELECTOR 1-8 button to choose units, use UP/DOWN button to choose saved color or push the FADER 1-8 to adjust the lighting effect.

6   Press PROGRAM/REC button, all LEDs flashing for 3 times and then go out indicating it succeed in inserting one step.

7   Repeat steps 3-6 to insert more steps, 32 steps maximum, exceeding this it will show "FULL".

8   Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED indicator above ROGRAM/REC will be off.
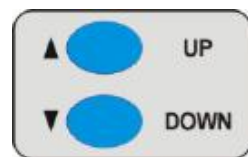
4.5 Delete Step From Chase

1   Enter programming mode.

2   Press CHASE 1-8 button, choose the chase whose step desired to delete.

3   Press INSERT/TAP button, the LED indicator above it will light up, the present step show on the display (it will show "ST00" if none step has been stored).

4   Press UP/DOWN button to choose the step desired to delete (if you want to delete the fifth step, set the present display to "ST05").

5   Press DEL/CLEAR button, all LEDs flashing for 3 times and then go out indicating it has been deleted successfully. (The steps behind it will move forward one step, for example, if you delete the fifth step, the sixth step will move to be the fifth step. If there is none step behind the step deleted, it will show the last step. Delete all steps, and then it will show "NULL".)

6   Repeat steps 4-6 to delete more steps.

7   Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED indicator above PROGRAM/REC will be off.

4.6 Delete Chase

1   Enter programming mode.

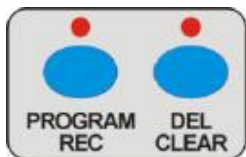2   Hold DEL/CLEAR button, and press one of the CHASE 1-8 button.

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All LEDs flashing for 3 times and then go out, the corresponding LED indicator off indicating deleted successfully.

3　Repeat steps 2-3 to delete more chases.

4　Hold PROGRAM/REC button for 3 seconds to exit programming mode, the LED indicator above PROGRAM/REC will be off.

4.7 Factory Reset

Be careful, factory reset will delete all the settings!

1　Turn off the power.

2　Press the PROGRAN/REC and DEL/CLEAR button at the same time, turn on the power, wait until all LEDs flashing, release the buttons, the LEDs stop flashing indicating factory reset successfully.

4.8 Manual Mode

1　Insure the LED above the BLACK OUT button is off.

2　Press FIXTURE SELECTOR 1-8 button to choose units desired.

3　Push FADER 1-4 to adjust the effect.

ATTENTION: The LED which besides FIXTURE SELECTOR button on indicating the corresponding units could be controlled by faders; you can delete the setting that you do not want to store by pressing DEL/CLEAR button.

4.9 Run Save Colours

1　Insure the LED above the BLACK OUT is off.

2　Use UP/DOWN button to choose BANK 1-6 which stored the SAVE COLOURS.

3　Press saved colour1-6 button to run SAVED COLOURS.

4.10 Run CHASE

Be sure there are CHASES stored. Press CHASE 1-8 buttons to run CHASE directly, the correspond LED will be on. If you choose more than one CHASE at a time, then the first correspond LED will be on and others will flashing (1Hz), all the CHASE will cycle run one by one.
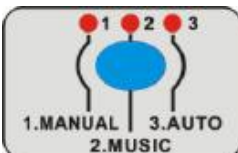
There are three modes: Manual Mode, Sound Mode and Auto mode.

A. Manual mode

1　Insure the LED above BLACK OUT button is off.

2　Press CHASE 1-8 button to run the CHASE, the display will show the present CHASE.

3　Press MANUAL/MUSIC/AUTO button to choose Manual Mode, the MANUAL LED on indicating into Manual Mode.

4　Press UP/DOWN button to change the step, UP to the last step, DOWN to the next step.

B. Sound Mode

1　Insure the LED above BLACK OUT is off.

2　Press CHASE 1-8 button to run the CHASE, the display will show the present CHASE.

3　Press MANUAL/MUSIC/AUTO button to choose Sound Mode, the MUSIC LED on indicating Sound Mode.

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4   Press UP/DOWN button to adjust the sound sensitivity, the

CHASE will run to the music.

C. Auto mode

1   Insure the LED above BLACK OUT button is off.

2   Press CHASE 1-8 button，the display will show the present

CHASE.

3   Press MANUAL/MUSIC/AUTO button to choose Auto Mode,

the AUTO LED on indicating Auto Mode.

4   Push CHASE SPEED fader to adjust the CHASE speed, push

FADE SPEED to adjust the fade time (the percent of the chase

speed). Press UP/DOWN button to set the run time for CHASE

(It's useful when you run more than one CHASE at one time).

You can also change the CHASE speed via INSERT/TAP

button. When running the CHASE, press the INSERT/TAP

button and the indicator will flashing, then press the

INSERT/TAP button and the indicator off, the flashing time will

be the CHASE speed.

4.11 Run Pre Set Colours

Please note that before running the Pre Set Colors ensure the procedure 4.0 channel assignments have been finished, or it will result in the invalidation of the following operation.

There are three modes: Auto mode, Sound Mode, Auto Fade. Before choose the three modes, you should select fixtures first, otherwise, the buttons will be unavailable.

A. Auto Chase Mode

1 Insure the LED indicator above BLACK OUT is off.

2 Press AUTO CHASE button, the LED indicator above it on indicating that has switched to the Auto Mode.

3 Press PRE SET COLOUR1-8 button, all the CHASE will run one by one circularly.

4 Press CHASE SPEED to adjust the CHASE speed.

B. Sound Mode

1 Insure the LED indicator above BLACK OUT is off.

2 Press SOUND CHASE button, the   LED indicator on indicating that has switched to the Sound Mode.

3 Press UP/DOWN button to adjust the sound sensitivity, the CHASE will run to the music.

C. Auto Fade mode

1. Insure the LED indicator above BLACK OUT is off.

2. Press AUTO FADE button, the LED indicator above it on indicating that has switched to the Auto Fade Mode.

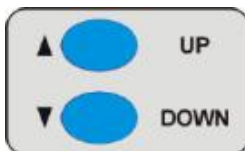3. Press PRE SET COLOUR1-8 button, all the CHASE will run one by one circularly.

4. Press FADER SPEED to adjust the fade time (the percent of the chase speed).

4.12 Over control

It can manually control this units when running COLOUR PRESET or CHASE.

1 Ensure the LED indicator above BLACK OUT is off.

2 Run COLOUR PRESET or CHASE directly.

3 Press FIXTURE SELECTOR 1-8 button to choose units.

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4   Push FADER 1-8 to adjust the lighting effect, the changes of the channel values are in dependent on the COLOUR PRESET or CHASE.

5   Back to the normal mode, please press DEL/CLEAR button.

4.13 Strobe

Hold Strobe button, all the light will strobe, and at this time you can adjust the strobe speed by pressing the Strobe speed Fader.

4.14 Blackout

Press Blackout button, the LED indicator above it will light up, that means you have already entered into the Blackout mode.

When you hold the Blackout button for about 3 seconds, the LED indicator above it will flash, that means you have entered into the Foot Switch (CA-8F) Mode. At this time, on this unit panel only the Dimmer Fader can be used to adjust the total lighting intensity, any other button on the panel will deactivated. You can use the foot switch (CA-8F) to control the LED-0808.
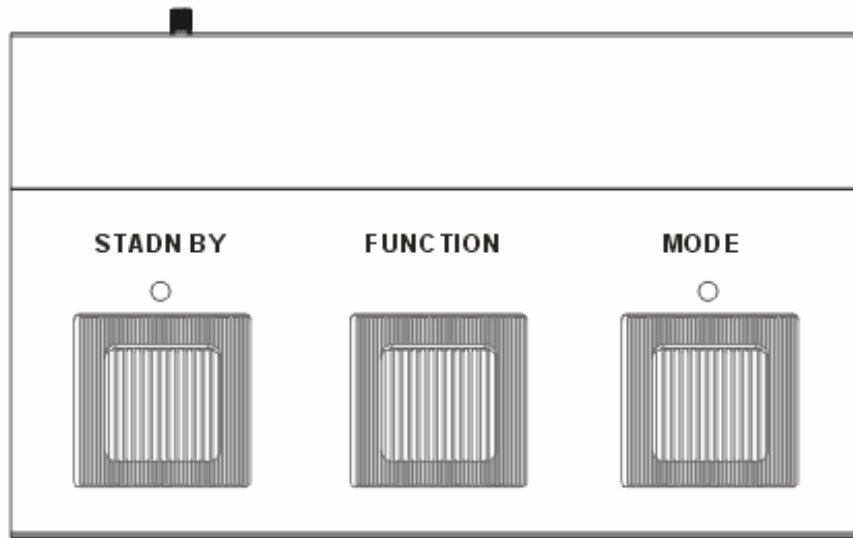
4.15 Foot Switch (CA- 8F)

LED-0808 can work with CA-8F, when the CA-8F connected with the LED-0808, hold the BLACKOUT/FOOT SWITCH button for 3 seconds and the LED indicator above it flashing that means the CA-8F has already been activated.

1.   STANDBY button used to active the CA-8F or interrupt the connection. Holds it for about 2 seconds, the LED indicator will go out, then CA-8F have been active.

2.   MODE button used to switch the mode, pressing it, when the LED indicator beside it light up but not flashing that means it has entered into the chase mode, pressing the FUNCTION button can change the chase.

3.   When pressing the MODE button till to the indicator beside it light up and flash,

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that means it has entered into the step mode, pressing the FUNCTION button can change the step and the number of step will display on the screen.

4. When pressing the MODE button till to the indicator beside it goes out. Then you press the FUNCTION button, all the fixtures' channels will be on 255. That means all light up.

5. When you activate the CA-8, all the function buttons on the LED-0808 are deactivated, except the master dimmer.

CA-8F

4.16 Update by USB drive

Power off the unit, and then insert the USB drive with the specific program in it. Hold Program/REC button, DOWN button and MANUAL/MUSIC/AUTO button simultaneously, then power on the unit, when all the lights light up, you can release the button now. The LED display will show "USB-LINK". The program will update automatically, after it finish the update, the LED display will show "UPDAP OK". You restart the unit and the unit has been updated successful.

4.17 Upload the files to the USB memory

1. Insert the USB memory to the controller.

2. Hold Bank UP button and MANUAL/MUSIC/AUTO button at the same time to enter into the upload mode. The LED display will show LOAD on it. That means there is no USB memory inserted to the controller. Then you insert the USB memory to the controller, the LED display will show UP F (upload files) on it. The left button 1-8 will light up if there are some files in the USB memory. Then you press any of the 1-8 buttons to upload the files into the USB memory automatically. All the files will pack up into one files to store into the USB memory (If you press the button which is light up that the before files stored in the USB memory will be recovered). After it finishes the upload, the LED display will show OK on it

and the controller will exit the upload mode.

4.18 Download the files to the controller from the USB memory

1. Insert the USB memory to the controller.

2. Hold Bank Down button and MANUAL/MUSIC/AUTO button at the same time to enter into the download mode. The LED display will show DL F (down load files) on it. The left button 1-8 will light up if there are some files in the USB memory. Then you press any of the light up button to download the files to controller automatically. All the files will download to the controller now. After it finishes the upload, the LED display will show OK on it and the controller will exit the down load mode.

NOTICE：The format of the memory disk should be FAT16 or FAT32.

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.

EN55103-1:199601-2; EN55103-2:1996;
EN61000-3-2:2000+A2:2005;
EN61000-3-3:1995+A1:2001+A2:2005.

&

Harmonized Standard

EN 60598-1: 2004
IEC 60598-1:2003+ corrigendum 2004
Part 1:General requirements and test

Following the provisions of the low voltage directive 73/23/EEC and 93/68/EEC

Technical Specification

Power Input ....…………………….……..…...9-12 DC min 300mA

DMX Output ....………………..3/5 pin DMX outpur and RJ45 port

Dimensions.................……………….........………280 x 170 x 66 mm

Weight......... ....…….......... ....1.8 kgs

Innovation, Quality, Performance