



FLORA
USER MANUAL

INTRODUCTION

Thank you for choosing this Cue Lighting item. Before you start please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

SAFETY INSTRUCTIONS

CAUTION!

- ◆ Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
 - ◆ Unpack and check carefully there is no transportation damage before using the unit.
 - ◆ Before operating, ensure that the voltage and frequency of power supply match the power requirements of the unit.
 - ◆ It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
 - ◆ The unit is for indoor use only. Use only in a dry location.
 - ◆ The unit 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 fuse/lamp replacement or servicing.
 - ◆ Replace fuse/lamp only with the same type.
 - ◆ Make sure there is no flammable materials close to the unit while operating as it is fire hazard.
 - ◆ Use safety cable when flying this unit.
 - ◆ Maximum ambient temperature is TA: 40°C. Don't operate it where the temperature is higher than this.
 - ◆ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance centre.
- Always use the same type spare parts.
- Please read carefully the instructions, which includes important information about the installation, usage and maintenance.
- ◆ Don't connect the device to any dimmer pack.
 - ◆ Do not touch any wire during operation as high voltage might cause electric shock

Features

MANUAL FOCUS, WIDE BEAM SPREAD COVERS A LARGE AREA,EASY-TO-USE - OPERATIONAL BY ITS OWN

BUILT-IN LIGHT SHOW [SOUND ACTIVE] OR DMX-512 [USITT],HIGH OUTPUT,VERY LOW POWER CONSUMPTION-CONNECT MORE UNITS IN A SINGLE CIRCUIT,EXTREME LONG LIFETIME OF THE LEDS (100,000 HR. RATING),LINKABLE VIA 3-PIN XLR DMX IN/OUTPUT,7 DMX CHANNELS,LED DMX DISPLAY WITH 4-BUTTON MENU, RICH, SATURATED COLORS THAT WILL NOT FADE, RUNS EXTREMELY COOL - NO DUTY CYCLES - RUN ALL NIGHT. LASER SIMULATED AERIAL EFFECTS

Installation

On the rear panel of the LED DMX color changer you can find an XLR-jack [DMX Out] and an XLR-plug [DMX In], which can be used for connecting several devices. Choose the device which is to control the effects. Connect the DMX OUT-jack with the DMX IN-plug of the next device.

DMX-512 connection / connection between fixtures

The wires must not come into contact with each other.

XLR-connection:

If you are using controllers with this light, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain. If you wish to connect DMX-controllers with other XLR-outputs, you need to use adapter-cables.

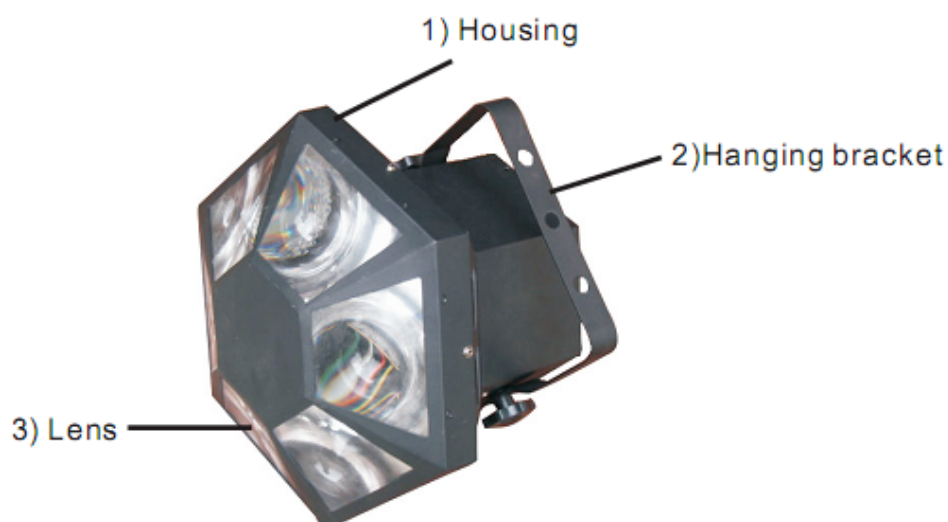
Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

Optional: At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120 resistor between Signal [-] and Signal [+] into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

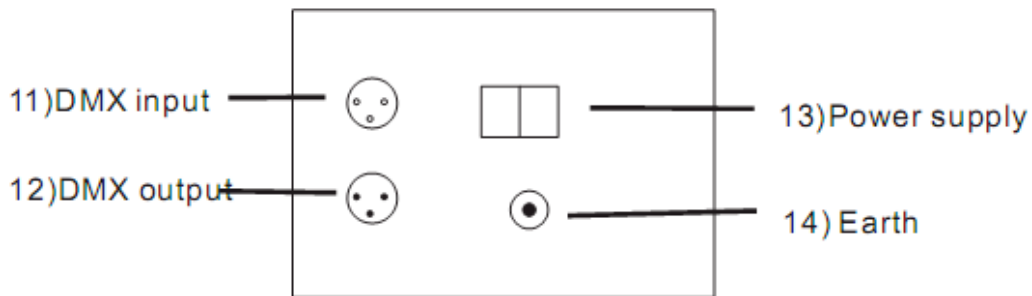
Connection with the mains

Connect the device to the mains with the enclosed power supply cable.



OPERATION

1. DMX operation mode



Addressing

After you connect the item to the mains, the item starts running. During the Reset, the motors are trimmed and the device is ready for use afterwards. Turn the objective-lens for adjusting the focus in order to obtain a sharp projection. The four-digit LED display on the back side of the item allows you to assign the DMX fixture address, which is defined as the first channel from which the item will respond to the controller. If you set, for example, the address to channel 7, the item will use channel 7 to 12 for control. Please, be sure that you don't have any overlapping channels in order to control each item correctly and independently from any other fixture on the DMX data link. If two, three or more items are addressed similarly, they will work similarly. When the item finishes resetting, A-001 will flash in the led display and then set the desired DMX address by pressing the UP or DOWN buttons.

DMX Controlling:

After having addressed all items, you may now start operating these via your lighting controller. After switching on, the item will automatically detect whether DMX 512 data is received or not. If the data is received, the red led dot in the display flashes.

Control channel 1-dimmer from darkness to full brightness

Control channel 2-LED modules outputs

0-31	led module 1/2/3 on
032-063	led module 1 on
064-095	led module 2 on
096-127	led module 3 on
128-159	led module 1/2 on
160-191	led module 2/3 on
192-223	led module 1/3 on
224-255	led module 1/2/3 on

Control channel 3-color selections

0-31	full brightness
032-063	red color
064-095	green color
096-127	red+green
128-159	blue

160-191	red+blue
192-223	green+blue
224-255	full brightness

Control channel 4–motor position adjusting

Control channel 5–strobe from fast to slow

Control channel 6–preset shows

0-10	no effects
11-255	preset shows running from fast to slow

Control channel 7–sound active

0-127	not occupied
128-255	sound active

2. Master/slave mode, sound active

With this function the items must be disconnected from the controller.

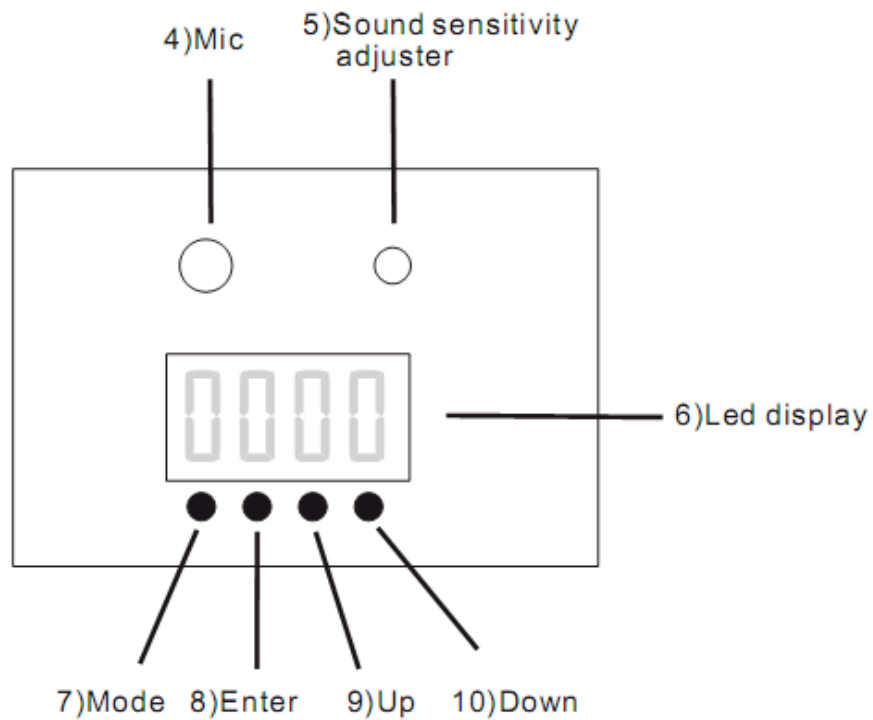
At the master/slave mode, the items can run simultaneously. Get one item, switch on power, press the buttons MODE, UP or DOWN till AUDI appears in the led display and then confirm by pressing ENTER, now the item is at master mode and runs 24 sound active modes from ADOO to AD23. Then get other items, switch on power, press the button MODE, UP or DOWN till SLAU appears in the led display, then confirm by pressing ENTER, now the items are at slave mode, connect the items to the master one and all the items operate at sound active concurrently. The sound sensitivity can be adjusted by the switch on the item.

3. Master/slave mode, AUTO

With this function the items must be disconnected from the controller.

At the master/slave mode, the items can run simultaneously. Get one item, switch on power, press the buttons MODE, UP or DOWN till AUTO appears in the led display and then confirm by pressing ENTER, now the item is at master mode and runs 24 auto modes from AE00 to AE23. Then get other items, switch on power, press the button MODE, UP or DOWN till SLAU appears in the led display, then confirm by pressing ENTER, now the items are at slave mode, connect the items to the master one and all the items operate at auto concurrently. To set as above, the item runs 24 auto modes circularly, the running speed can be adjusted from SP 1 fastest to SP 8 slowest.

LED DISPLAY FUNCTIONS:



MODE: set the operation modes

ENTER: set the functions by pressing the buttons UP or DOWN as follow:

***AOO: set the desired DMX address from 001-512;

***EDIT: edit 24 scenes by DMX controller and save in the item;

***AUTO: running 24 preset shows from ATOO to AT23;

***TINE: adjusting the running speed under 24 preset shows and edited scens from SP 1 fastest to SP 8 slowest;

***AUDI:running 24 sound active modes from ADOO to AD23;

***r: ON/OFF red colr;

***g: ON/OFF green color;

***b: ON/OFF blue color;

***SLAV: slave working;

***LOAD: returning to the state originallly set.

Replacing the fuse

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Open the fuse holder on the rear panel with a fitting screwdriver.

Step 2: Remove the old fuse from the fuse holder.

Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing.

TECHNICAL SPECIFICATIONS

Power supply: 90-240V AC 50/60 Hz

Power consumption: 40W

MCD LEDs: 55

100,000 hours of led life

FUSE 220V 1A

DMX-control-channels: 7

DMX-512-connection: 3-pin XLR

Flash-rate: 10 Hz

Dimensions: 320*320*270mm

Weight: 3.0kgs

Maximum ambient temperature t_a : 45° C

Please note: Information is subject to change without prior notice.