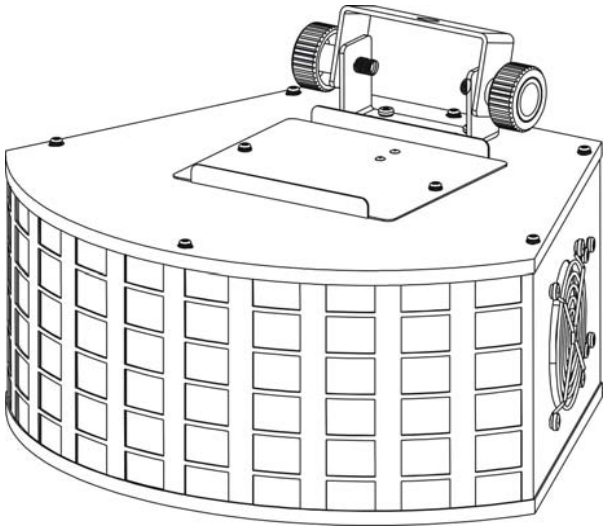
OBLIVION



User Manual

Professional Entertainment Technology

TABLE OF CONTENTS

1. Safety Instruction

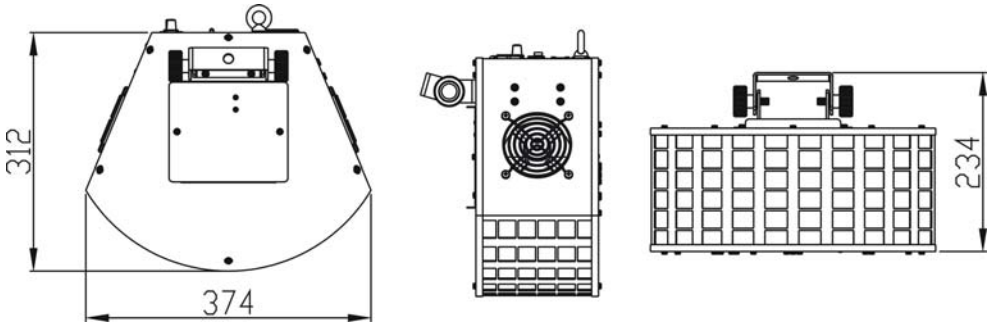
WARNING

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

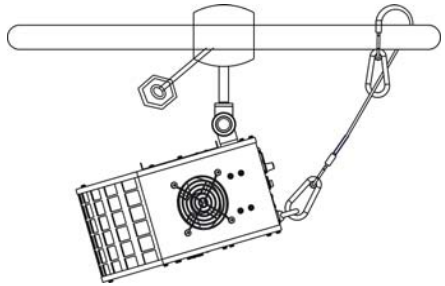
- ♦ Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- ♦ Unpack and check carefully there is no transportation damage before using the unit.
- ♦ Before operating, ensure that the voltage and frequency 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 and 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 are not flammable materials close to the unit while operating as it is fire hazard.
- ♦ Use safety cable when fixes this unit.
- ♦ Maximum ambient temperature is TA: 40℃ and don't operate it where the temperature is higher than this.
- ♦ Unit surface temperature may reach up to 60℃. Don't touch the housing bare-hand during its operation. Turn the power off and wait for 15 minutes for cool down before replacing bulb or serving.
- ♦ In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repair carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center and 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.

2. Technical Specification

- Voltage: AC 100V/120V/230V/240V/250V 50/60Hz
- Lamp: HX 120V 800W or HX 240V 800W
- 2 Channels
  Channel 1 = Rotation
  Channel 2 = Lamp On/Off/Strobe
- It can be operated by DMX512 control or can be used as an individual unit without controller.
- It can be linked together as many as required in master/slave mode, and perform the great built-in programmed lighting shows triggered by music.
- Please use a 3 pin XLR cable/plug when connecting them together.
- It features different pre-programmed chase patterns.
- Fan cooled.
- Dimension: 374 x 312 x 246 mm
- Weight: 7.6 kg

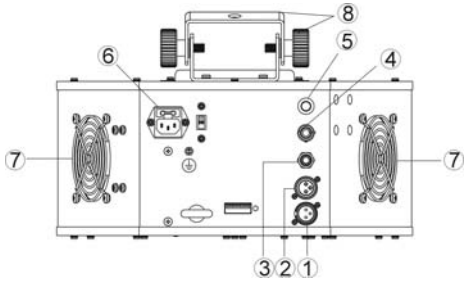


3. Installation



You can install the unit on the truss or ceiling, Use clamps to fix the unit to truss. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 kgs for each unit. Also always use a safety cable that can hold 10 times of the weight of the unit when installing the fixture.

4. Main Function



1、 **DMX IN:** Receive DMX signals by XLR male socket.

2、 **DMX OUT:** Transmit DMX signals by XLR female socket.

3、 **Only for remote controller:** By connect to the 1/4'' microphone jack to control the unit for Stand by, Function and Mode function.

4、 **Sensitivity:** To adjust the sound receiving sensitivity.

5、 **Microphone:** To receives audio signal for sound activation.

6、 **Mains input:** IEC socket and integrated fuse holder, connect to main power cable.

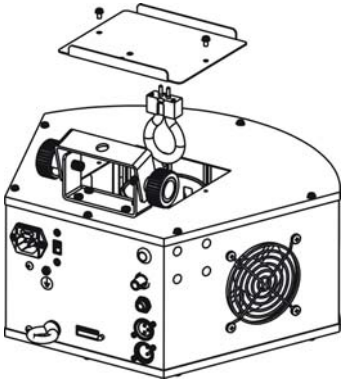
7、 **Cooling fan:** Cool down the working temperature.

8、 **Hanging bracket:** With 2 knobs on both sides to fasten the unit and a mounting hole to fix a mounting hook.

5.Lamp Replacement

Lamp type: HX 120V 800W or HX 240V 800W

- Always switch off the main supply and never handle the lamp when is hot.
- Do not touch the lamp with bare hands. If this happens, clean the lamp with denatured alcohol and wipe it with a lint free cloth before installation.
- The lamp generates UV radiation. Never operate the lamp without appropriate shielding.
- The risk increases with age, temperature and improper handling of the lamp. Do not use the lamp any longer than its specified life.



6. How To Control The Unit

Three ways to operation:

A. Master/Slave operation

B. Easy controller CA-8

C. Universal DMX controller

6.1 Master/Slave operation

The unit can be linked together in daisy chain as many as you need in master/slave mode to perform the great built-in pre-programmed lighting shows triggered by music.

In Master/Slave mode refer to the DMX settings below:

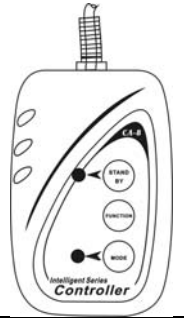
Master unit: DMX start address MUST be set to 001. (first DIP switch = ON, all other are OFF)

Slave units: DMX start address may have any value but NOT 001 (example: set the first 3 DIP switches to ON)

＊2-light show

Dipswitch 10 "off" means the unit works normally and "on" means inversion. In order to create a great light show, you can set dip switch 10 "on" on any unit that is linking to the master unit to get contrast movement to the master unit, even if you have two units only. Dipswitch 10 on the first (Master) unit is no use for the 2-light show as it is the master unit that operates the light show.

6.2 Easy Controller (by CA-8)



The easy remote control is used only in master/slave mode. By connecting to the 1/4" microphone jack of the first unit (its DMX input plug is not used), you will find that the remote control all the first unit will control all the other units for Stand by, Function and Mode.

Built-in lighting shows triggered by Easy Controller:

Stand by	Blackout the unit	
Function	1. Strobe in sync 2. Shutter in sync	1. Clockwise (Fast speed) (middle speed) (Slow speed) 2. Counterclockwise (Slow speed) (middle speed) (Fast speed)
Mode	Sound (LED OFF)	Slow (LED ON)

6.3 Universal DMX controller

When using a universal DMX controller to control the chain of units, you have to set DMX address by Dip switches from 1 to 9 to make sure all the units will receive its DMX signal. Please refer to the following diagram to know how to address your DMX 512 system in the binary code.

DMX 512 Address Chart:

Dip-switches	# 1	# 2	# 3	# 4	# 5	# 6	# 7	# 8	# 9	#10
Value	1	2	4	8	16	32	64	128	256	2-light show

• Examples:

Channel 1： dip / on: #1 (=1)

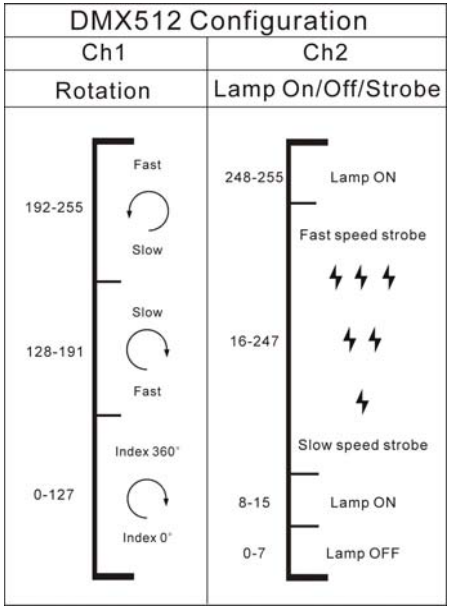
Channel 3： dip / on: #1, #2 (1+2=3)

Channel 5： dip / on: #1, #3 (1+4=5)

Channel 7： dip / on: #1, #2, #3 (1+2+4=7)

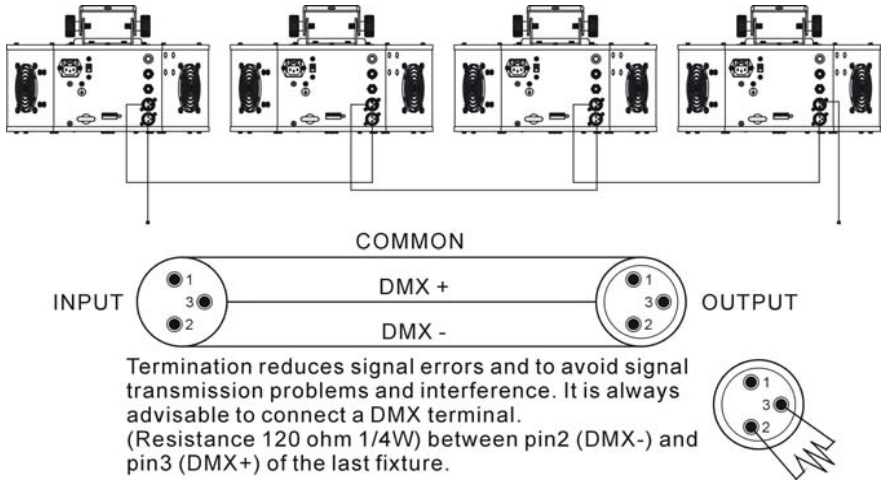
Channel	Dip switches setting
1	ON 1 2 3 4 5 6 7 8 9 10
3	ON 1 2 3 4 5 6 7 8 9 10
5	ON 1 2 3 4 5 6 7 8 9 10
7	ON 1 2 3 4 5 6 7 8 9 10

DMX 512 Configuration



7. DMX 512 Connection

The DMX 512 is widely used in intelligent lightings and with a maximum of 512 channels.



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 unit, 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 unit.
3. Connect the unit together in a 'daisy chain' by XLR plug from the output of the unit to the input of the next unit. The cable can not be branched or split to a 'Y' cable. DMX 512 is a very high-speed signal. Inadequate or damaged cables, solder 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 power is disconnected to the unit.
5. Each lighting unit 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

7. Troubleshooting

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

A. The fixture does not work, no light and the fan does not work

1. Check the connection of power and main 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 link 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 fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the fixture. Set the proper address.

D. No response to the sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

E. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

8. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors 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 unit'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. Clean the internal optics at least every 30/60 days.

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

Innovation, Quality, Performance