CHAUVET.
Value · Innovation · Performance

Omega II
DMX-255

User Guide

Please read these instructions carefully before use

Introduction

Congratulations on the purchase of your new CHAUVET lighting effect. We are confident you will enjoy many trouble free hours with this unit. To assist with the care and use of the product we have prepared this short guide.

General Instructions

Please read the enclosed instructions carefully as they include important points about safety for usage, installation and maintenance of this unit.

• Please keep this booklet for future consultation. If you sell this unit to another user, be sure that the new user also receives this manual so that they have the necessary information about the use and maintenance of the unit,

• Before the initial start-up, please unpack and carefully check all components in case any damage may have occurred during shipment.

• Locate a suitable location for installation where there is good ventilation. Make certain that the fan or vents are not blocked.

• Protect our enviroment! Please dispose of packacking material properly.

• The electrical work that may be necessary for installation must be done by qualified personnel.

• Always remember to unplug the unit from the main power before any service is done.
Do not open the unit other than to replace the lamp. There are no serviceable parts inside.

• It is very important to ground the yellow / green conductor to earth in order to meet regulations for safety.

• Check the surrounding area and make sure that there are no flammable liquids, water or metal objects that could enter the fixture. If a foreign object enters the unit, immediately disconnect the main power. Also, place the fixture in a well-ventillated spot at about 15 cm from the walls.

• Do not touch any wires during operation, as high voltage is hazardous.

• In the event of serious operating problems, stop using the unit immediately. Never try to repair the unit yourself. Repairs carried out by unqualified personnel can lead to damage and will void the warranty. Please contact CHAUVET Technical Assistance. Always use genuine spare parts.

Main Features

• Voltage: AC Switchable 120V, 60Hz / 230V, 50Hz

• Bulb: ELC3 24V 250W

• Beam Angle: 8.8°

• DMX-512 control, 5 DMX channels

• 11 Indexable Colors plus white

• 14 Indexable Gobos plus open

• Pan: 180°

• Tilt: 84°

• Master / Slave mode

• Sound Activated

Top
• Sound Sensitivity
• Power LED
• DMX Signal LED
• Microphone
• CH-X Jack
• DMX In
• DMX Out
• Power Socket
• Fuse Holder
• 110/220V Selector

Lamp

ELC3 24V 250W (300 Hrs)

• Always switch off the main power supply and never handle the lamp or luminaire when it is hot.

• Never touch the bulb with bare hands. Oils on your skin may greatly reduce the life of the bulb.

• To insert a new lamp, remove the 4 screws on the side of the lamp cover. Insert the new lamp into the socket and place into the lamp holder. Replace the 4 screws.

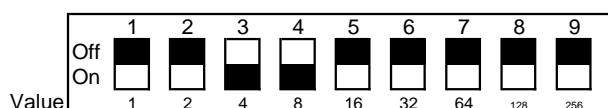• Always use the type of lamp specified.

•Screws

DMX Operation

Before connecting this unit to the main power supply for the first time you must first install the lamp. (See 'Replacing Lamps' for details).

This lighting effect has been designed to function on a main power supply of 120V, 60Hz or 230V, 50Hz and has been fitted with a suitable power plug.

The Omega II (DMX-255) is a DMX fixture that can be operated with CHAUVET's DMX-6, DMX-40, DMX-50, ShowXpress or any other universal DMX controller. The unit will also work in stand alone mode sound activated. To operate in DMX mode, you must link the units together using a premium quality 3-pin DMX cable in the following configuration. 'Out' from the first unit to 'In' on the second, 'Out' from the second to 'In' on the third and so on.

The Omega II (DMX-255) is a 5 channel DMX fixture. Please consult the controller manual to determine the proper address for the units.

Example: To set the address at 12

	1	2	3	4	5	6	7	8	9
Off									
On									
Value	1	2	4	8	16	32	64	128	256

1.Set SW 10 to OFF.
 2. Count the value of the switches in the on position.
and SW 4 equals 8.
 3. Set SW 3 and SW 4 to the ON position. (4 + 8 = 12)

DMX Channels

Channel 1		Channel 2		Channel 3		Channel 4		Channel 5	
Gobo	**Level**	**Color**	**Level**	**Strobe**	**Level**	**Pan**	**Level**	**Tilt**	**Level**
Blackout	0-9	White	0-9	None	0-45	Right	0	Down	0
Open	10-19	Color 1	10-19	Gobo/Color Strobe Slow-Fast	46-115	Left	255	Up	255
Gobo 1	20-29	Color 2	20-29						
Gobo 2	30-39	Color 3	30-39	Color Strobe Slow-Fast	116-185				
Gobo 3	40-49	Color 4	40-49						
Gobo 4	50-59	Color 5	50-59						
Gobo 5	60-69	Color 6	60-69	Gobo Strobe Slow-Fast	186-255				
Gobo 6	70-79	Color 7	70-79						
Gobo 7	80-89	Color 8	80-89						
Gobo 8	90-99	Color 9	90-99						
Gobo 9	100-109	Color 10	100-109						
Gobo 10	110-119	Color 11	110-119						
Gobo 11	120-129	Auto Rotation Slow-Fast	120-255						
Gobo 12	130-139								
Gobo 13	140-149								
Gobo 14	150-159								
Auto Rotation Slow-Fast	160-250								

Sound Active Mode

In the absence of a DMX signal, the Omega II will automatically go into sound activation. The first unit in the system will become the master and all other units will be slave units. In sound activaation, the dip switch settings are irrelevant. The Omega II will shut off automatically in a few seconds if no DMX signal or sound is received.

Sound activation may also be accessed via your DMX controller. If channel 1is set between 250-255, the Omega II will run sound activated.

Pan & Tilt Inversion

The pan and tilt may be inverted by use of dip switch #10. By setting dip switch #10 on for 1 unit and off for another, the Omega II's will move in opposite directions. This is a very useful feature in creating an interesting show.

LED DMX Indicator

When a DMX signal is present, the blue LED will pulsate rapidly. In sound activation, the led will pulsate to the beat of the music.

CH-X Blackout Controller

The CH-X blackout controller may be used whenever the Omega II is run in sound activation. Simply plug the 1/4" plug into the jack on the top of the unit. Press the button twice and the OMega II will go into blackout. Press again twice and the program will resume. The CH-X will not operate when a DMX signal is present.

Installation / Mounting

This unit has been designed to be hung. It is recommended that, for safety purposes, your lighting effect be properly mounted using a suitable hanging clamp and safety cable. CHAUVET offers a range of items, which are ideal for safe mounting.

Use in a well-ventilated area without obstruction to the vents or fan.

Replacing Fuses

If the unit does not function at all when connected to the main power supply i.e. does not illuminate after replacing the lamp. Then it is highly likely that the fuse has blown.
Disconnect from main power supply before attempting to replace either lamps or fuse.

In order to replace the fuse, disconnect from the main power supply first, and then pry up the fuse holder cover to reveal the fuse. The unit has a label attached which indicates the correct fuse rating and you will also find this listed as part of the specifications for the unit later in this guide. It is most important that replacement fuses are of the correct rating. Failure to use the correct fuse could damage the lighting effect beyond economic repair.

The fuse should simply be placed inside the holder and the fuse holder replaced. When this is done, connect to the main power supply to check. If the unit is still not working then please contact CHAUVET for servicing.

Specifications
Voltage:	AC 110V 50/60Hz or 240V 50Hz
Fuse:	110V: 7A 250V 240V: 5A 250V
Lamp:	ELC3 24V 250W
Weight:	22 lbs / 9.8 kgs
Dimensions:	18.75" x 8" x 6" / 476mm x 203 mm x 152 mm