GEMAR LUMITEC

IRIDIUM Stage Studio Manual Zoom Fresnel

USER MANUAL

For safety, please read this user manual carefully before initially start-up

CONTENTS

GEMAR LUMITEC

1. Introduction

Thank you for purchasing our product. Before carrying out any operations with the product, carefully read this instruction manual and keep it with cure for future reference. It contains important information about the installation, usage and maintenance of the unit. Please strictly follow it.

The product conforms to the international standard DMX512 agreement. The products can be controlled in signal use and also can be controlled in many units. Sleek and stylish, precise and accurate optical system design, bring and clear light effects. All above makes our products applicable to be used within the scope of film and television, theater, live

events, trade show exhibits, educational facilities, retail environments,

and corporate shows, etc.

* The product is compliance with the CE & ROHS Standard.

* The product belongs to our company. The intellectual property is

exclusively reserved. We will file a lawsuit on condition that it is illegally

copied and imitated.

2. Safety instructions

WARNING

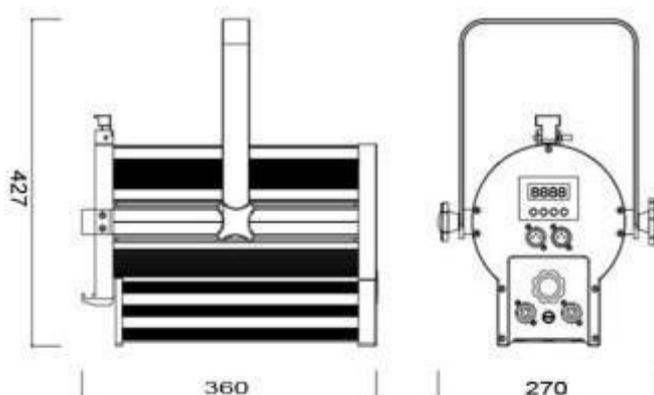• Do not open this device, there is no user-serviceable parts inside.

Risk of electric shock.

- Do not look at the light source when the device is on.

- **CAUTION**: This unit's housing may be hot during and after operation.

- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.

- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.

- Use a safety chain when mounting this device overhead.

- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.

- Do not operate this device if the housing, lenses, or cables appear damaged.

- Do not connect this device to a dimmer or rheostat.

- ONLY connect this device to a grounded and protected circuit.

- ONLY use the hanging bracket to carry this device.

- In case of a serious operating problem, stop using immediately.

- The maximum ambient temperature is 104° F (40° C). Do not operate this device at higher temperatures.

3. Description

Product features

• Made by fire-resistant Nylon material and Aluminum which makes the lamp more lighter

• Good performance of cooling system with the quiet fan

• DMX controlled operation, possible work with any commercial DMX512 controller

• Rail-type hanging bracket, bracket position can be adjusted

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• Different dimmer curves and dimmer speed adjustable

• Flicker free projection

• Rotatable barn doors, color filter optional

• Ready for connection with power cord with safety-plug

Overview

4. Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

Overhead rigging

The installation of the device has to be built and constructed in a way that it can hold 10 times the weight for 1hour without any harming deformation.

The installation must always be secured with a secondary safety attachment. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main

attachment fails.

The operator has to make sure that safety-relating and machine-technical installations are approved by an expert and before taking into operation for the first time and after changes .

Please note: for overhead rigging in public or industrial areas, a series of safety instructions have to be followed that this manual can only give in part.

DMX512 connection

Please use xlr-xlr signal cable connect the DMX output of the controller with the DMX input of the first device, and connect the DMX output of the first device with the DMX input of the second device, always connect

one output with the input of the next device untill all devices are connected.

For better signal receival, a signal amplifier suggest to be used for each 20 fixtures.

Power input

This device has an auto-switching power supply work with input voltage range of 100-240V AC, 50/60Hz. Link up to the maximum 8A, Do not exceed this.

5. Operation

Control board

Press the Menu until one of the following had been displayed:

Menu			
1st Menu	2nd Menu	Value	Notes
DMX	DMX address	0-512	Set DMX address
Channel	CH01	0-255	Dimmer
	CH02	0-255	DimmerFine, 5% brightness increased based on 01CH
	CH03	0-255	Strobe
Manual	Dim	0-255	Dimmer
	D_F	0-255	DimmerFine
	STO	0-255	Strobe
Reset	YES/NO		Recover to manufactory default
Temperature	C.000	0-255	Current temperature
	T.080		Protecting temperature

Use 'Up' and 'Down' button to select your desired operation, press 'Enter' to set all function

Notes:

- When there's a flickering '!' sign appeared, means no signal input for the fixture.

- No operation within 30seconds, LCD display will enter into Screen protection mode automatic.

- When the current temperature is higher than the protecting setting temperature, 30% of power consumption will be deducted slowly; Power consumption will be coming to normal when the temperature gets to normal.

DMX Modes

DMX512 Channel table

1CH Channel table			
Channel	**Value**	Rate	**Control function**
CH1	Dimmer	0-255	Dimmer, brightness from 0%
2CH Channel table			
Channel	**Value**	Rate	**Control function**
CH1	Dimmer	0-255	Dimmer, brightness from 0%
CH2	DimmerFine	0-255	Brightness micro adjustment
3CH Channel table			
Channel	**Value**	Rate	**Control function**
CH1	Dimmer	0-255	Dimmer,brightness from 0%

| CH2 | DimmerFine | 0-255 | Brightness micro adjustment |
| CH3 | Strobe | 0-255 | 0-10 Strobe off, 11-255 Strobe frequency(from slow to fast) |

6. Fuse Replacement

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:

Step1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

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 and fix it.

7. Technical specifications

Item Number:	113776
Product name.:	IRIDIUM Stage Studio Manual Zoom Fresnel
Power Consumption:	200W
Voltage:	100 - 240V AC

Frequency:	50/60Hz
Light Source:	200W COB Citizen led
Lens:	150mm Fresnel lens
Color temperature:	3200K
CRI:	>90
Beam Angle:	12°～55°
Dimming Range:	16bit smooth dimming 0-100%
DMX Channel:	1CH/2CH/3CH Optional
Control system:	STM32 control chip, DMX512 signal
Display Screen:	4-Button LCD Screen
IP Rating:	IP20
Min. Distance to Illuminated object:	1M
Ambient Temp.:	-15℃～35℃
Product size:	360x270x427mm
Weight:	5.8kgs
Packing:	1pc per carton
Packing size:	Inner box: 420x330x360mm