MICROH

PROFESSIONAL PRODUCTS

www.microhpro.com

USER MANUAL

LED STAR DRAPE

Keep this manual for future reference.

TABLE OF CONTENTS

1. INTRODUCTION AND UNPACKING	**1**
2. SAFTEY INSTRUCTIONS	**1-2**
3. OPERATION INSTRUCTIONS	**2-4**
4. MOUNTING AND INSTALLATION	**4-5**
5. DMX-512 CONTROL CONNECTIONS	**5**
6. MENU NAVIGATION	**6-7**
7. DMX CHANNELS	**8**
8. KEY FEATURES	**9**
9. TECHNICAL SPECIFICATIONS	**9**
10. MAINTENANCE AND CLEANING	**10**

1. INTRODUCTION AND UNPACKING

Thank you for purchasing the MICROH LED STAR DRAPE. For your own safety and knowledge, please read this manual before installing or operating the device. This manual covers the important information on installation and applications. Please install and operate the fixture according to instructions. Meanwhile, please keep this manual for future reference.

The MICROH LED STAR DRAPE is made of a cotton velour base for the front and a polyester nylon based material for the backing, and is fire treated for event use. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. This fixture is applicable but not limited to large-scale live performances, theater, studio, nightclubs and discos.

The MICROH LED STAR DRAPE uses powerful TRI (3in1) LED's which feature high brightness and stability. Please carefully unpack it when you receive the fixture and check if it was damaged during the transportation. And please check whether the following items are included inside the box:

Drape – One Power Cord – One 5 Pin Control Cable – One Controller – 1

User Manual – One

2. SAFTEY INSTRUCTIONS

This device has left the factory in perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Important:
Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature, and is dry.

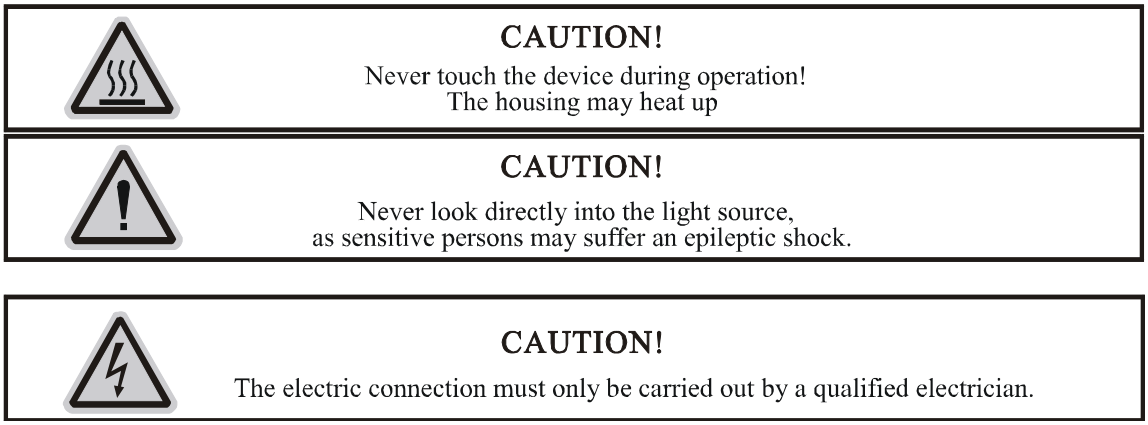
This device falls under protection-class I, therefore it is essential that the device be grounded. The electrical connection must be carried out by a qualified technician.

The device should only be used with rate voltage and frequency. Make sure that the available voltage is not higher than 120V as stated at the end of this manual.

Make sure the power cord is never crimped or damaged in any way, as this could cause shock and damage. If your power chord is damaged in any way, please purchase a new cable from your local MICROH dealer. Always disconnect power, when the device is not in use or before cleaning it. Never pull out the plug by tugging the power cord.

During initial start-up, some smoke or smell may arise. This is a normal process, and does not necessarily mean that the device is defective. It should decrease gradually. Please do not project the beam onto combustible substances.

Fixtures cannot be installed on or near combustible substances. Keep more than 50cm distance from wall for proper ventilation and air flow. If your fixture is or has become damaged in any way, it shall be exclusively replaced or repaired by the manufacturer to avoid any hazard.



3. OPERATION INSTRUCTIONS

- Do not turn on the fixture if it has been through severe temperature differences. Damage may occur to the fixture. Wait until unit is at room temperature to operate.

- The unit should be protected from any tremor or agitation during transport.

- Do not expose the fixture in any excessive heat, moisture or any environment with too much dust when installing. Do not lay any power cables on the floor. It may cause electronic shock or damage to persons or equipment.

- Make sure to attach the safety chain and ensure the screws are properly screwed in when installing the fixture.

- Make sure the lens is in good condition. It is recommended to replace the unit if there are any damages or severe scratches.

- Make sure the fixture is operated and installed by qualified personnel.

- Keep the original packaging in case of defective product.

- Any non-manufacturer additions, modifications or changes in any way will void all warranty.

- Please do not attempt to open unit. It is only to be serviced by an authorized technician. If this occurs, or is apparent, the warranty will be voided.

- The fixture's warranty will be voided if there are any malfunctions from not following the user manual or any illegal operation (shock short circuit, electronic shock, lamp broke, etc.)

-This fixture is equipped with 6 operating modes. **Master/Slave, DMX, Sound Active, Manual Mode, Colour Fade and Colour Chase.**

MASTER/SLAVE MODE

- By connecting either the 3 or 5 pin DMX, you can daisy chain up to 30 units on master/ slave mode. Daisy chain the fixtures together by plugging from the DMX output of the first fixture into the DMX input of the second fixture, and so on…

- On your Master fixture set the unit to SOUND, MANUAL, COLOUR FADE or COLOUR CHASE control and select one of the internal programs.

- All slave lights must be set “A001”

DMX

- From the main menu select “ADDR” and press ENTER. By using the UP and DOWN buttons, you can set the DMX address. Press ENTER when number is reached.

- Once the address is set, leave the unit powered on for 3 minutes in order to store the address within the unit so that it returns to that address when powered off/on.

SOUND ACTIVE MODE

- From the main menu, select either “SOUA” or “SOUF”.

- SOUA mode with chase randomly through the internal programs activated by sound.

- SOUF mode will chase through 7 individual full bar colours.

- To adjust the audio sensitivity, select “SEnS” from the main menu and press ENTER. Using the UP and DOWN buttons select number 0 through 15. (0 being the lowest, and 15 being the highest sensitivity.)

MANUAL MODE

- From the main menu, select “rLXX”, “gLXX”, and “bLxx” and use the UP and DOWN buttons to adjust each individual colour from numbers 0 through 15. (0 being off, and 15 being the full intensity.) This will create a custom colour mix of your choosing.

COLOUR FADE

- From the main menu, select “FAXX” and use the UP and DOWN buttons to select the speed of the colour fade.

AUTO COLOUR CHANGE (7 COLOUR CHANGE)

- From the main menu, select “ASXX” and use the UP and DOWN buttons to select the speed of colour change. (0 being the slowest, 15 being the fastest.)

CHASE MODE

- From the main menu, select “CEXX” and use the UP and DOWN buttons to select your desired chase from numbers 1 through 15.

- To adjust the speed of the chase, select “CSXX” from the main menu and use the UP and DOWN buttons to select speeds 1 to 15. (1 being the slowest, and 15 being the fastest.)

STROBE (FLASH)

- To apply strobe (FLASH) to one of the auto modes, select “FLxx” from the main menu and use the UP and DOWN buttons to select your desired flash rate from 1 to 15. (1 being the slowest, and 15 being the fastest.)

■ Manual mode

1	rL 15	Red dimmer
2	9L 15	Green dimmer
3	bL 15	Blue dimmer

■ Auto mode

1	FL 15	Flash
2	FA 15	Automatic fade in and fade out
3	AS 15	Auto change 7 color
4	CE 15	Chase lights
5	CS 15	Chase lights speed

■ Sound control mode

1	SOUA	Sound Chase lights
2	SOUF	Sound 7 color flash
3	SENS	Se00-se15

■ Synchronization mode(master and slave)

1	Master light	Choose same as (manual ,auto, sound control) mode way
2	All slave lights	A001

4. MOUNTING AND INSTALLATION

Caution: For added protection, mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel. Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 times the device's weight. Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable. Never stand directly below the device when mounting, removing, or servicing the fixture.

Whether installing inverted on a truss or ceiling, Be sure this fixture is kept away from any and all flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the mounting fails.

Mounting Points: Overhead mounting requires extensive experience, including calculating working load limits. A knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture are all imperative and should only be performed by a qualified technician. Improper installation can result in bodily injury and damage.

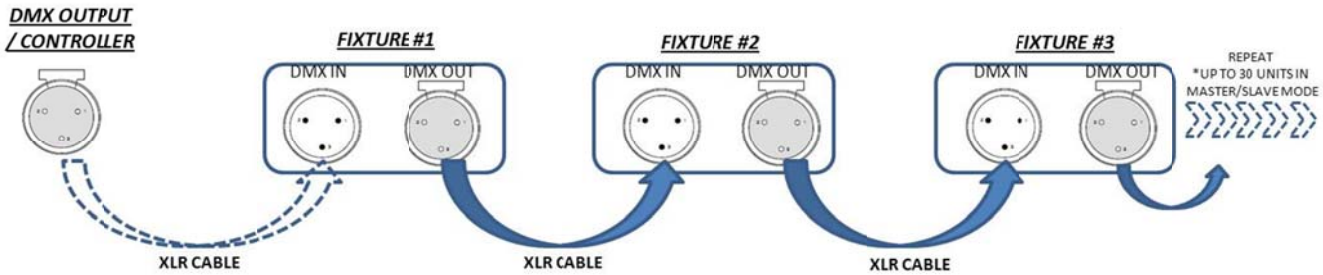
Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Picture of back of unit hung with pipe & drape.

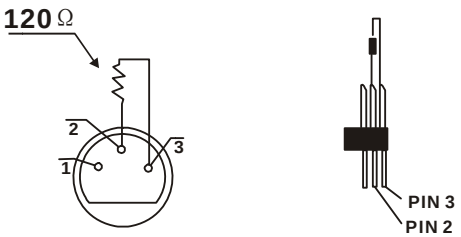
Regardless of the rigging option you choose for your MICROH LED STAR DRAPE, always be sure to secure your fixture with a safety cable. The fixture provides a built-in rigging point for a safety cable on the hanging bracket as illustrated above. Be sure to only use the designated rigging point for the safety cable.

5. DMX-512 CONTROL CONNECTIONS

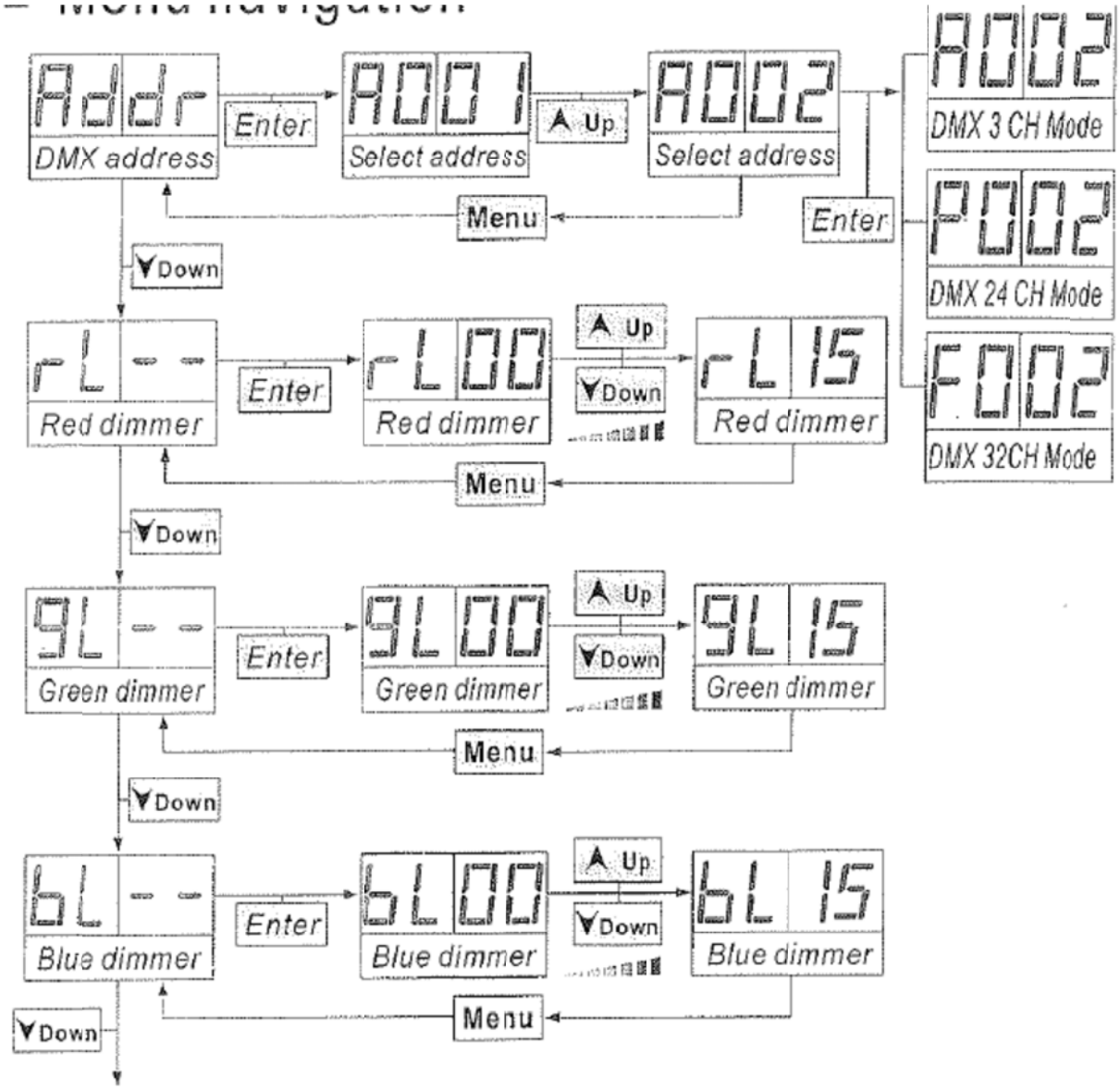
This fixture complies with international USITT DMX standards and can be used with either a 3 pin or 5 pin DMX connector. Plug in the provided 3 pin XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the LED STAR DRAPE. To connect the units to DMX, you must daisy chain the fixtures together as referred in the diagram below. Always end your DMX-512 connection with a DMX terminator.

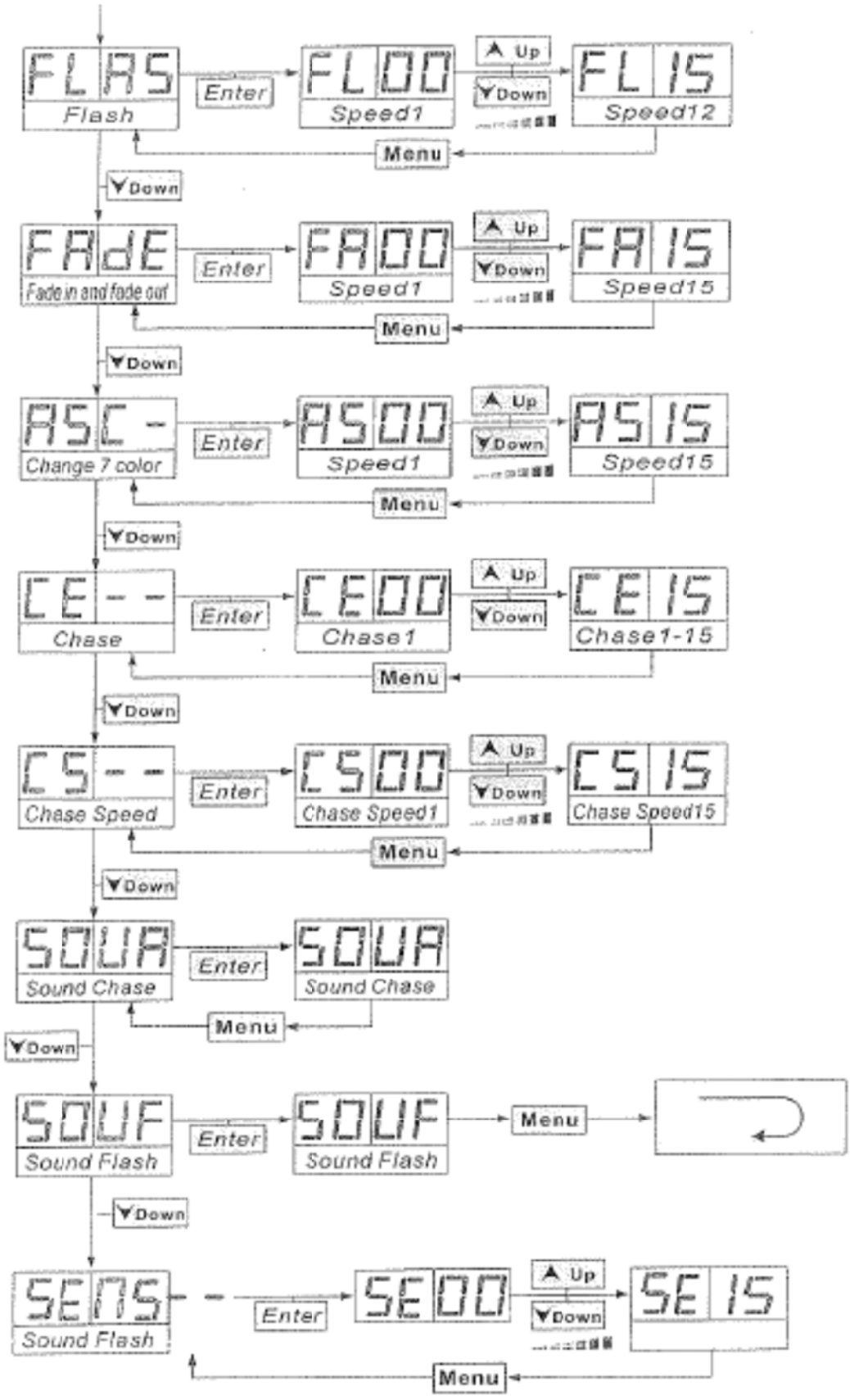


For installations where the DMX cable has to run a long distance, or is in an electrically noisy environment, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



6. MENU NAVIGATION




FLAS
Flash
Enter
FL00
Speed1
Up
Down
FL15
Speed12
Menu
Down
FAdE
Fade in and fade out
Enter
FA00
Speed1
Up
Down
FA15
Speed15
Menu
Down
ASC-
Change 7 color
Enter
AS00
Speed1
Up
Down
AS15
Speed15
Menu
Down
CE--
Chase
Enter
CE00
Chase1
Up
Down
CE15
Chase1-15
Menu
Down
CS--
Chase Speed
Enter
CS00
Chase Speed1
Up
Down
CS15
Chase Speed15
Menu
Down
SOUA
Sound Chase
Enter
SOUA
Sound Chase
Menu
Down
SOUF
Sound Flash
Enter
SOUF
Sound Flash
Menu
Down
SENS
Sound Flash
-
Enter
SE00
Up
Down
SE15
Menu

7. DMX CHANNEL

MODE 1 (3Channel) A

Dmx Chanel	Functien	Description	Value
1	Dimmer	LED intensity	0-256
2	Macro Effect	Macro Effect 1	0-255
		Macro Effect 2	
		Macro Effect 3	
		Macro Effect 4	
		Macro Effect 5	
		Macro Effect 6	
		Macro Effect 7	
		Macro Effect 8	
		Macro Effect 9	
		Macro Effect 10	
		Macro Effect 11	
		Macro Effect 12	
		Macro Effect 13	
		Macro Effect 14	
		Macro Effect 15	
3	Effect Speed	Speet of Effect Macro	0-255

MODE 2 (24Channel) p

Dmx Chanel	Functien	Description	Value
1	LED Color	Red LED intensity	0-256
2	LED Color	Green LED intensity	0-256
3	LED Color	Blue LED intensity	0-255
....	.....	.....	0-255
22	LED Color	Red LED intensity	0-255
23	LED Color	Green LED intensity	0-256
24	LED Color	Blue LED intensity	0-255

MODE 3 (32Channel) F

Dmx Chanel	Functien	Description	Value
1	Dimmer	Dimmer	0-152
		Strobe(slow tofast)	153-242
		Dimmer full On	243-256
2	LED Color	Red LED intensity	0-256
3	LED Color	Green LED intensity	0-255
4	LED Color	Blue LED intensity	0-256
.....	.....	.....	0-256
29	Dimmer	Dimmer	0-152
		Strobe(slow tofast)	153-242
		Dimmer full On	243-256
30	LED Color	Red LED intensity	0-256
31	LED Color	Green LED intensity	0-255
32	LED Color	Blue LED intensity	0-256

8. KEY FEATURES

- 128 x ¼ Watt 5mm Tri Colour SMD 50/50 LEDs
- 3 XLR Input & Output
- PowerCon AC Input
- All Metal Grommets on all 4 Sides for Mounting
- Heavy Duty Velcro to Attach Multiple Drapes for Seamless Look
- Digital 4 Button Display
- Stand Alone, Master/Slave DMX & Auto
- RGB: Infinite Colour Mixing Possibility
- Effects: RGB Colour Mixing, Strobe, Bright Burst Effect, Auto Programs
- Includes Controller and Control Cable

9. TECHNICAL SPECIFICATIONS

LAMP: 128 x ¼ Watt 5mm Tri Colour SMD 50/50 LEDs
VOLTAGE: 120VAC 60Hz
FUSE: 250VAC 2A
MAX: 240W
DIMENSIONS: 13’ x 19.5’ / 396 x 594 cm
NET WEIGHT: 37.1 lbs / 16.83 kgs
WARRANTY: 1 Year Limited Warranty

10. MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

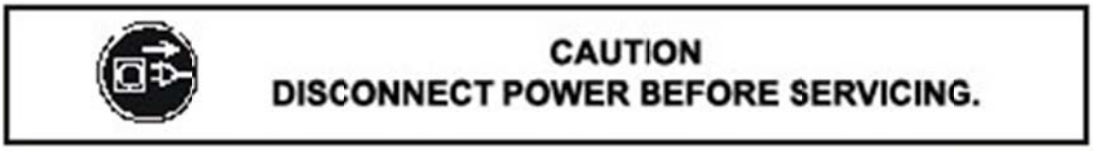
1) All screws for installing the device, or parts of the device must be tightly connected, and must not be corroded.

2) There must not be any deformations on the housing, colour lenses, fixations or installation spots (ceiling, suspension, trussing).

3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.

4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage must be handled by a skilled installer or technician. Any safety issues must be resolved.



In order to keep the fixture in good condition and extend the life, we suggest regular cleaning to the fixture.

1) Clean the inside and outside lens each week to avoid the light output from darkening due to accumulation of dust, dirt, etc.

2) Clean the fan each week.

3) A detailed electrical check by approved technician every three months is advised. Ensure the circuit contacts are in good condition, and prevent from overheating.

4) Do not machine wash. **Professional dry clean only**. (Flame Retardant Duration: 10 Washes)

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no serviceable parts inside the device. Please refer to the instructions under “Installation instructions”.

Should you need any spare parts, please order genuine MICROH parts from your local dealer.

IF YOU SHOULD EXPERIENCE ANY PROBLEMS OR ISSUES PLEASE CONTACT MICROH PROFESSIONAL PRODUCTS BY EMAIL AT info@microhpro.com

In the event that your unit is defective in any way, please contact your local dealer to obtain an RA number for service repair.

DISCLAIMER – MICROH believes that the information contained within this user manual is accurate. However, Microh is not responsible for any error or addendums to this manual. If you have any comments or general suggestions on how this manual can be improved please contact info@microhpro.com. Thank you.

MICROH

PROFESSIONAL PRODUCTS

www.microhpro.com