ST-95C

User manual

Please read the instructions carefully before use

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statement

The product has well capability and intact packing when leave factory. All of the user should comply with warning item and manual, any misuse cause of the damages are not included in our guarantee, and also can not be responsible for any malfunction & problem owing to ignore the manual.

1. Safety Instructions

Please keep this User Guide 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 main power before replacement or servicing.

- Make sure there are no flammable materials close to the unit while operating as it is fire hazard.

- Use safety cable when fixes this unit. DO NOT handle the unit by taking its head only, but always by taking its base.

- Maximum ambient temperature is Ta: 40℃. DO NOT operate it where the temperature is higher than this Unit surface temperature may reach up to 85℃. DO NOT touch the housing bare-hand during its operation. Turn off the power and allow about 15 minutes for the unit to cool down before replacing or serving.

- 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 center. Always use the same type spare parts.

- DO NOT touch any wire during operation as high voltage might be causing electric shock.

Warning:

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- DO NOT open the unit within five minutes after switching off.

- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

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Caution:

There are no user serviceable parts inside the unit. DO NOT open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your nearest dealer.

Installation:

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

2. Technical Specifications

Light Sources: 7*12W Ossion RGBW LED

 Consumption:90 W

Power Voltage: AC 100-240V, 50/60Hz

Packing Dimension: 29*21*23cm

Gross Weight: 4Kgs

Control

DMX Channel: 15CH

Control Modes: DMX

Pan/Tilt

Pan/Tilt: 540 / 270

Pan/Tilt Resolution: 8bit

Construction

Display: LED Display

Data In/Out socket: 3-pin XLR sockets

Protection Rating: IP20

Dimming mode:

Standard, Stage, TV, Architectural, Theatricalb

3. How To Control   The Unit

1. Detailed function:

Menu display	Function
dXXX	DMX address. Press UP or Down can change DMX value, pres ENTER for DMX mode
CHXX	16CH/10CH . Press UP or DOWN to choose working mode channel
SoUn	Sound control mode.Press Up or DOWN can show AUXX, after Enter, the light can automatically send out DMX signal as being a master machine
AUXX	Auto mode. Press UP or down can chose AUXX or SoUn mode. After Enter mode, light send out DMX signal automatically
SXXX	Sound control speed. Press UP or DOWN for increase or decrease movement speed
PAn	Pan forward

rPAn	Pan reverse
tiL	Tilt forward
rtiL	Tilt reverse
diS	LED display in positive
rdiS	LED display up-side down
rESt	reset
LoAd	Factory default setting

15CH :

CH 1 :	PAN	pan	0----255
CH 2 :	PAN FINE	pan fine	0----255
CH 3 :	TILT	tilt	0----255
CH 4 :	TILT FINE	tilt fine	0----255
CH 5 :	PAN/TILT SPEED	fast to slow	0----255

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CH 6 :	ZOOM		0----255
CH 7 :	GENERAL DIMMING	dark to bright	0----255
CH 8 :	STROBE	no function	0----15
		fast to slow	16----255
CH 9 :	LEDs effect	no function	0----15
		static effect	16----95
		dynamic effect 1	96----175
		dynamic effect 2	176----255
CH 10 :	LEDs moving speed	fast to slow	0----255
CH 11 :	R	dark to bright	0----255
CH 12 :	G	dark to bright	0----255

CH 13 :	B	dark to bright	0----255
CH 14 :	w	dark to bright	0----255
CH 15 :	RESET	no function	0----127
		RESET	128----255

4. Trouble shooting

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

A. The unit 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.
3. Check the power on LED.

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 unit 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. 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

5. 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 the unit's soptics.

• **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.**