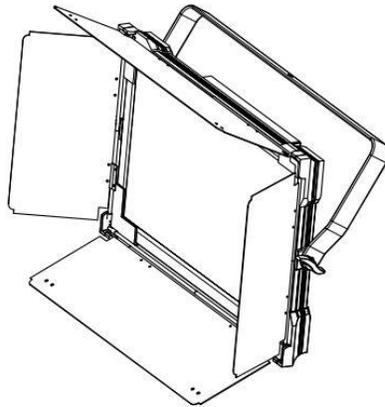




User Manual: Squareled CW/WW 220W Led Video Softlight

SQUARELED
CW/WW 220W LED Video Softlight



CE RoHS IP20

User Manual

1 SAFETY INSTRUCTIONS



CAUTION

Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a 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 due to environmental 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.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person. The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. 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 don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

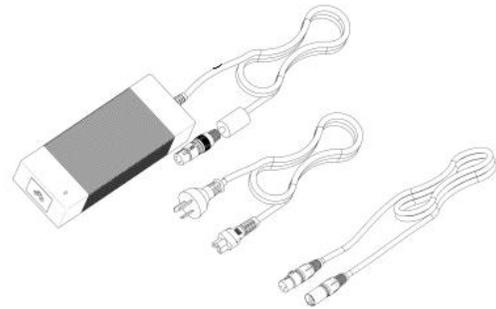
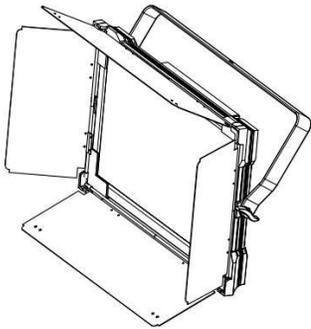
If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

2 Unpacking

Thank you for choosing our 220W LED Video Panel Light. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The 220W LED Video Panel Light is made of a new type of high temperature strength of cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



① 220W PANEL	1PC
② Signal Cable	1PC
③ Power Cable	1PC
④ User Manual	1PC

3 **FEATURES & SPECIFICATIONS**

Features

- 1920PCS premium quality and high CRI LED (Cool White+Warm White)
- Accurate color temperatures tunable from 3000K to 6000K
- 50,000 hours life span and low power consumption
- Color Rendering Index(CRI): Ra≥95
- Flat and even projection with soft edge
- High intensity, long throw and 180° wide field angle
- Housing made by rugged, die cast aluminum alloy
- Thermally insulated knobs and single aluminum handle for installing
- Barn door included
- Tripod stand as optional
- Superior free noise thermal cooling system
- 0-100% Smooth and precise linear dimmer
- 2 Individual dimmer knobs to adjust color temperatures
- No noticeable color shift throughout the entire range
- Flicker-free at any frame rate or shutter angle
- 25T/sec high speed shutter/strobe effect with variable speed
- Preset variable/random strobe and dimming pulse effect
- 2DMX channels USITT DMX-512
- DMX, Auto run and Master/Slave
- LCD with touch screen
- 3-Pin connectors IN/OUT
- 30-40°C Max ambient temperature
- IP20 protection rating

Specifications

Input Voltage: AC100-240V 50/60Hz

Max. Power : 220W

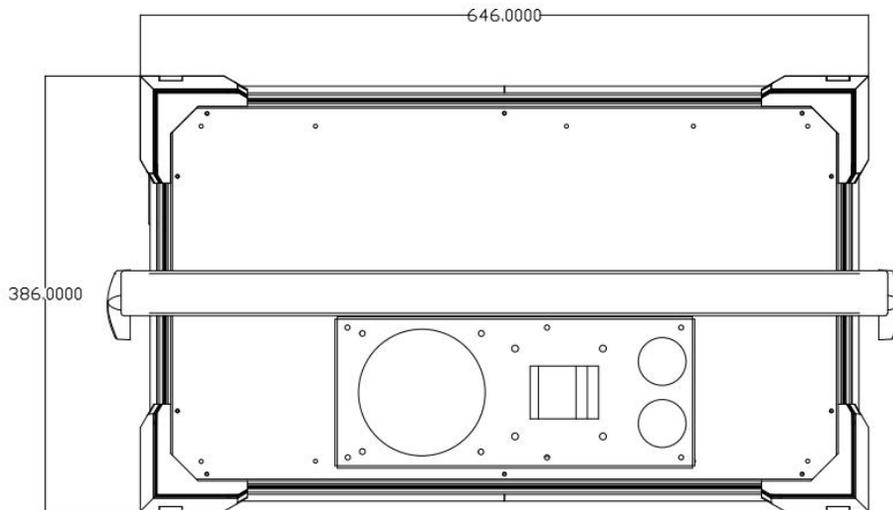
Dimensions: 64.6*38.6*9.17cm

Packing Dimensions: 88*46*14.5cm(1pc/carton)

Net Weight: 9.5kg

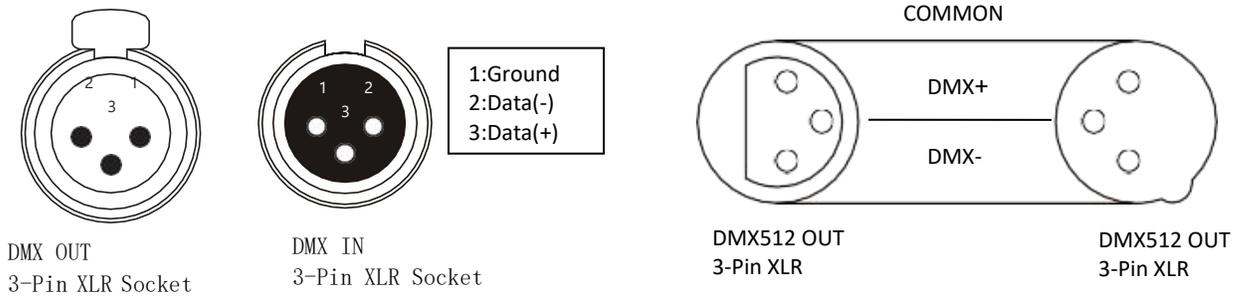
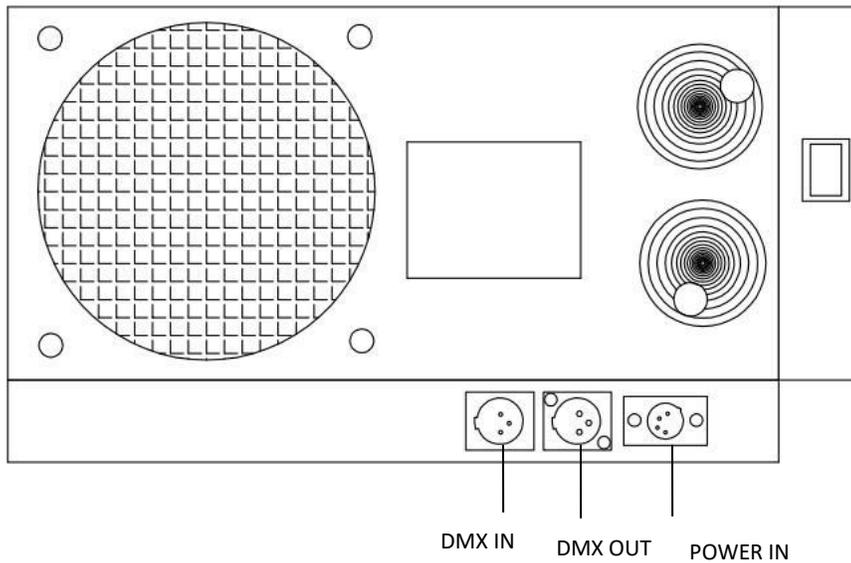
Gross Weight: 11.5kg

4 PRODUCT STRUCTURE::

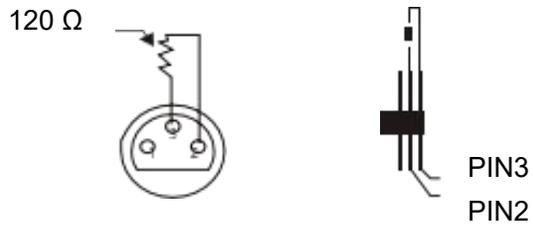


5 DMX-512 CONTROL CONNECTIONS

Connect the provided 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 moving head. You can chain multiple Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below. DMX-512 connection with DMX terminator



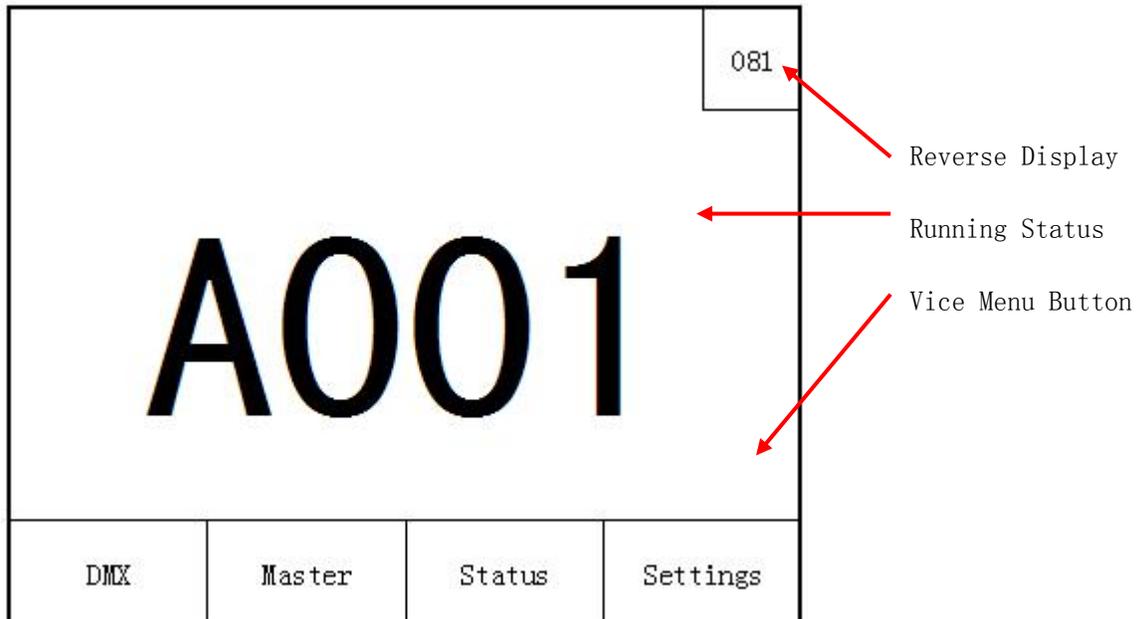
For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR 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 OPERATIONS

1. Main Menu

1.1. Main Menu



1.2. Operation Status

Mode	Display	Description
DMX Mode	Dxxx	"D" stand for DMX mode
Temperature Mode	M-WP	"M" stand for stand Master, "WP" stand for "White Point"

2. DMX Menu & Channel data

3. DMX menu



Enter DMX mode:

1. If you are in DMX mode, the main menu will turn into DMX menu automatically after 5 seconds
2. Menu of DMX address (DMX mode) will turn into DMX menu automatically after 5 seconds

Quit DMX mode

1. Screw mode: Press knob 2.
2. Touch mode: Touch any area out of "DMX" in DMX menu (press "DMX" is enter the menu for setting DMX address)

DMX Menu Operation:

1. DMX mode: When the DMX 512 signal is connected correctly and the data of channel 1 which is bigger than 0, use the received DMX data value for dimmer and temperature control (See the channel data sheet). This moment knob 1 and knob 2 can not be used in dimmer; knob 1 only use for menu operation. For example, Changing the DMX address: press knob 1 to enter or exit the editing status. (Turn left or right for changing the dm x address)
2. Screw mode: When disconnect DMX signal or the channel 1 data is 0, can use knob 1 for the dimmer, knob 2 for color temperature.

4.Vice Menu

4.1 Master Mode:

Menu	State	Operation
Intensity	Dimmer (0~100%)	Press knob 1 to enter or exit the editing of address data. (Turn left or right for changing the data)
White Point	Color temperature (3000~6000K)	

4.2 Status

Software	Name of software
Version	Version
Temperature	Show the current temperature of the fixture
DMX Status	Show "OK" (Slave, with DMX signal), "NONE" (Slave, without DMX signal), "Master" (Master)
.....	(other)

4.3 Setting

Menu	State	Option	Mark
Touch Screen Calibration	Touch Screen Calibration		
Dimmer Frequency	Choose the dimmer frequency	500HZ	Increase or decrease with data of 100HZ
		
		25000HZ	
Dimmer Curve	Choose the dimmer curve	Standard	
		Incandescent	
		Linear	
		Quick	
Over Temperature	Set the protect temperature	45~95	Increase or decrease with data of 5
Backlight	Adjust the Backlight brightness	10%~100%	Increase or decrease with data of 5%
Backlight Timeout	Set the screen protect time	screen protect or screen protect after 5~60 seconds	Increase or decrease with data of 5
Load Factory Settings	Reset		

5.Operation

5.1 Screw operation

For example of “changing the brightness under the master mode”

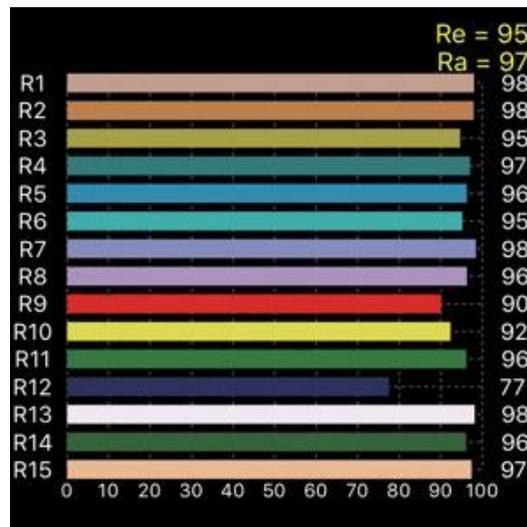
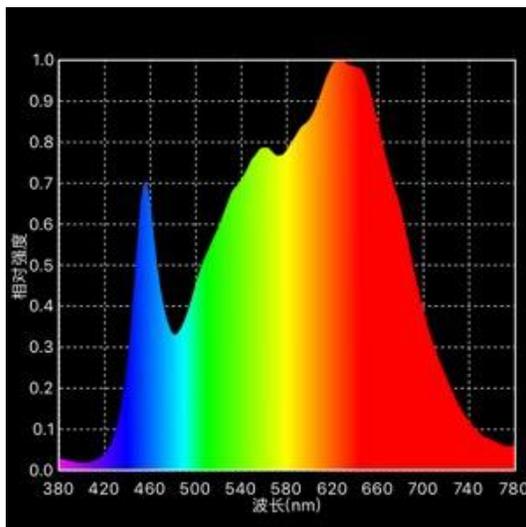
1. In main menu, turn the knob 1 and choose “Master”, press knob 1 for enter.
2. In the menu of “white point”, turn the knob 1, choose the “Intensity”
3. Press knob 1 enter editing status.
4. Turn knob 1 for choosing the brightness (Long press for increase or decrease continuously)
5. Press knob 1 exit edit status.

7 Channel data

Channel	Data	Function	Mark	Channel 2 data mnemonic	
1	0	Screw Mode	Knob 1 is for dimmer		
	1~255	Dimmer			
2	0~11	3000K	Color temperature 1	8 = 1*8	Totally 31 kinds of color temperature. Quick color: If you need the color of N, then take the data value of N*8. For example you need the color 1: 1*8, to push the channel data in 8.
	12~19	3100K	Each 8 data is for a color temperature	16 = 2*8	
	20~235	3200K~5800K		(V = N*8)	
	236~243	5900K		240 = 30*8	
	244~255	6000K	Color temperature 31	248 = 31*8	

8 Photographic Chart

Ra





9 OPERATION INSTRUCTION

- The 220W LED Video Panel Light is an LED light for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.

- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

- Make sure the installation place is in good safety condition before installing the fixture.

- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

- Make sure the fixture is operated by qualified personnel who knows the fixture before using.

- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

10 INSTALLATIONS

Cautions: For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas where 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. from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture

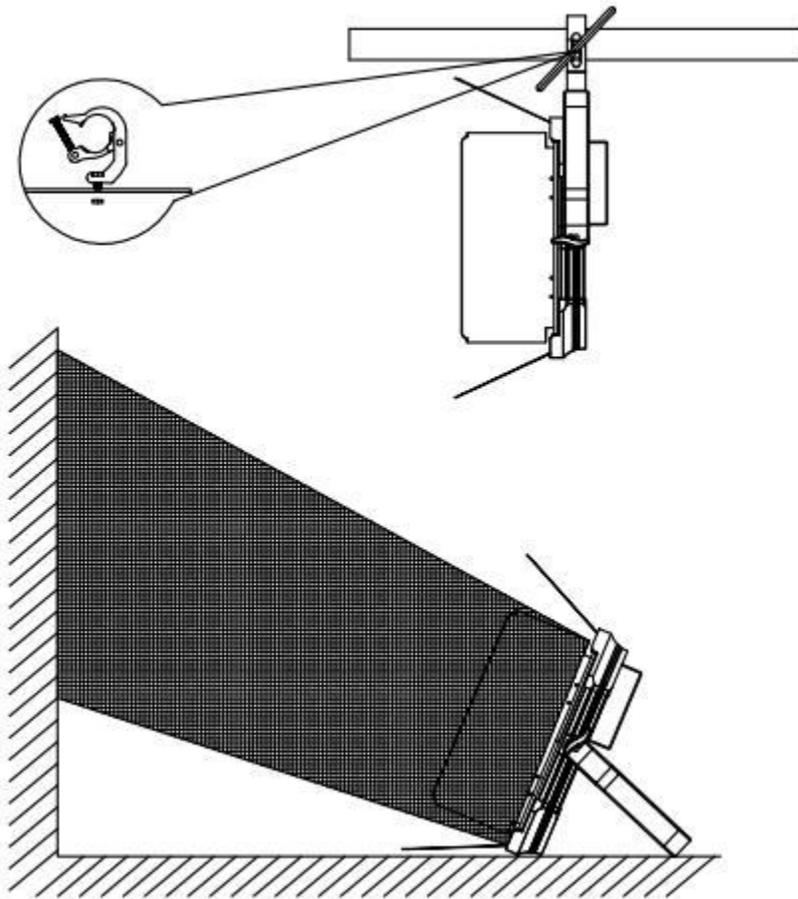
is kept at least 0.5m (1.5 ft) away from any flammable materials (decoration etc.). Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points: Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself.

Improper installation can result in bodily injury.

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

Clamp Mounting: The 1920pcs * 0.2W LED Video Panel Light provides a unique mounting bracket assembly, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the handle using a M10 screw fitted through the center hole of the handle. As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using one of the safety cable rigging point.



11 *Cleaning and maintenance*

Now ignoring maintenance and cleaning is very good way of creating problems "down the road" and many companies and installations do just that. However the net result is, no matter what the fixture, premature failure!

Changing the oil in a car, most people do on a regular basis.

So with the fixtures, regular maintenance it an excellent practice, if you want the fixtures to last.

So what is the maintenance for the fixture?

Clean the fans!

Turn off the led video panel light.

Using a small vacuum cleaner, suck the dust and “fur balls” out.

Do not use a can of co². That will just blast the dust and dirt everywhere!

The fans keep the LED cool and keep the electronics cool too.

Without the fan working efficiently and dust free, the fixtures will fail and that will be a lot more costly than having someone

vacuum the fixtures on a regular basis.

How often should the fans be cleaned? It depends on where the fixtures are; in a very dusty atmosphere once a week. So

check the fans on a regular basis, they may not need cleaned every week but a quick “visual inspection” should be done.

The front lens should be cleaned so the light output is maintained.

The shutter blades sometimes require cleaning as well.

With the led video pane light turned off, use only a moist lint-free cloth. Never use alcohol or solvents to clean the fixture.

Never spray anything onto the fixture at the front or in any place on the fixture.



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