USER MANUAL

LED Washer Model: AVS-4821W

1. Safety Notes

1>. Please read these instructions, it includes important information about the installation, usage and maintenance of this product.

2>. 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.

3>. Always make sure that you are connecting to the proper voltage, and that the line voltage you are connection to is not higher than that stated on the decal or rear panel of the fixture.

4>. This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.

5>. Make sure that there are no flammable materials close to the unit while operating.

6>. The unit must be installed in a location with adequate ventilation, at least 20in (51cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.

7>. Always disconnect from power source before servicing or replacing fuse and be sure to be replaced with same fuse, size and type.

8>. Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.

9>. Maximum ambient temperature (Ta) is 104℉(40℃). Do not operate fixture at temperature higher than this.

10>. In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people will lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.

11>. Don’t connect the device to a dimmer device.

12>. Make sure the power cord never crimped or damaged.

13>. Never disconnect the power cord by pulling the cord.

14>. Avoid directing eye exposure to the light source while it is on.

2. Setup

1> Fuse replacement

With a flat head screwdriver wedge the fuse hold out of its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

2> Fixture linking

You will need a serial data link to run light show of one or more fixtures using a DMX-512 controller or to run synchronized on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.

Maximum recommended serial data link distance: 500 meters (1640ft).

Maximum recommended number of fixtures on a serial data link: 32 fixtures.

3> Data cabling

To link fixtures together you must obtain data cables. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

4> DMX data cable

Use a beldam 9841 or equivalent cable which meets the specifications for EIA RS-485 applications. Standard microphone cables cannot transmit DMX data reliably over long distances. The cable will have the following characteristics:

2-conductor twisted pair plus a shield.

Maximum capacitance between conductors-30 pF/ft.

Maximum capacitance between conductor and shield -55 pF/ft.

Maximum resistance of 20 ohms/1000ft.

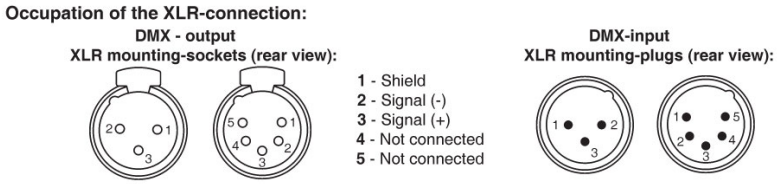
Nominal impedance 100~140 ohms.

5> 3-Pin to 5-Pin conversion chart

Note! If you use a controller with a 5 pin DMX output connector. You will need to use a 5 pin to 3 pin adapter

CHAUVET Model No: DMX5M. Or DMX 5F

The chart below details a proper cable conversion:



6> Master/Slave fixture linking

1. Connect the (male) 3 pin connector side of the DMX cable to the output (female) 3 pin connector of the first fixture.
2. Connect the end of the cable coming from the first fixture which will have a (female) 3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

3. Maintenance and Cleaning

The following points have to be considered during the inspection:

1> All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.

2> There must not be any deformations on the housing, color lenses, fixations and 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 have to be adhered by a skilled installer and any safety problems have to be removed.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

1> Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
2> Clean the fan each week.
3> A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

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

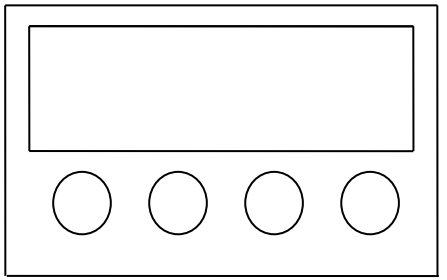
There are no serviceable parts inside the device. Please refer to the instructions under “Installation instructions”.
Should you need any spare parts, please order genuine parts from your local dealer.

4. Specifications

Input voltage：AC100-240V 50/60Hz
Power：200W
LED：48 pcs 4W 2in1 LED
Color：Warm white(3200k), cool white(7000K)
Beam angle：25°, 45°
LED life：Min 50,000 hours
Control Mode：DMX, Auto-run, Sound, Stand alone
DMX channel：5CH/2CH
IP Rating：IP20
Size：560*170*143mm
N.W.：7.5KG

5. Operations

5.1 . Display Information:



MODE： Function/Mode
UP： +
DOWN： -
ENTER：Confirmation

5.2. Menu Navigation

A001 (001~255)
D001 (001~255)
STAT → W255 (001~255)
A255 (001~255)
ST00 (01~20)
TEMP → T085 (040~120)
0000 (当前温度)

DISP → DSID
REST (重启出厂设置)

5.3. Menu instructions

5．3．1．DMX Mode（A001）

A001 (001~255)

At【A001】, press【UP】/【DOWN】to set the ID No., then press【ENTER】to confirm.

5．3．2．DMX Mode（D001）

D001 (001~255)

At【D001】, press【UP】/【DOWN】to set the ID No. then press【ENTER】to confirm.

5．3．3．Static Mode（STAT）

STAT ➡ W255 (001~255)
A255 (001~255)
ST00 (01~20)

At【STAT】, press【ENTER】to show color and strobe function, then press【UP】/【DOWN】to set the brightness of color or the speed of strobe, then press 【ENTER】to confirm.

5．3．4．Temperature Control Mode（TEMP）

TEMP ➡ T085 (040~120)
0000 (当前温度)

At【TEMP】,press【ENTER】to show the current temperature of the heat dissipation board, then press【ENTER】to se the temperature for protection.

5．3．5．Display Mode（DISP）

DISP ➡ DSID

At【DISP】, press【ENTER】to upside down the display.

5．3．6．Reset （REST）

REST (重启出厂设置)

At【REST】,press【ENTER】to restore to factory mode.

6．DMX Channels

◆ A001 DMX Mode

CH	Value	Function
1CH	000~255	Dimmer
2CH	000~255	Cool white（0-100%）
3CH	000~255	Warm white（0-100%）
4CH	000~255	Blackout speed
5CH	000~255	Strobe（from slow to fast）

◆ D001 DMX Mode

CH	Value	Function
1CH	000~255	Cool white（0-100%）
2CH	000~255	Warm white（0-100%）