soundsation

Mood¹⁰⁷
Wash

4IN1 7X10W LED MINI WASH MOVING HEAD

CONTROL PANEL $C\epsilon$

8.8.8.8.

MODE|ESC UP DOWN ENTER   MADE IN CHINA
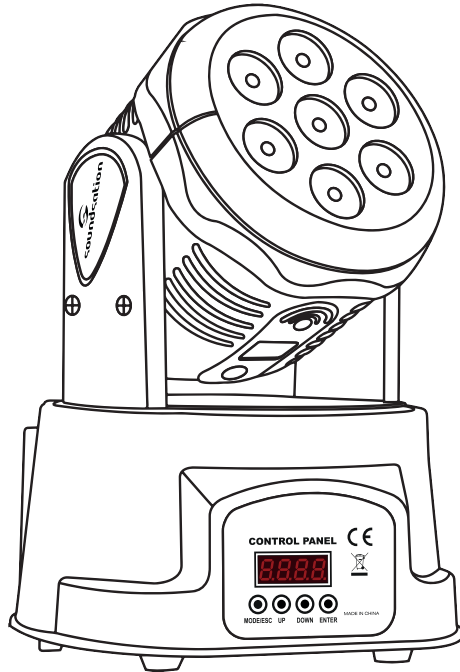
USER MANUAL

Please read this manual carefully and proper take care of this manual.

Dear customer,

First of all thanks for purchasing a SOUNDSATION® product. Our mission is to satisfy all possible needs of musical instrument, professional audio and lighting users offering a wide range of products using the latest technologies.

We hope you will be satisfied with this item and, if you want to collaborate, we are looking for a feedback from you about the operation of the product and possible improvements to introduce in the next future. Go to our website www.soundsationmusic.com and send an e-mail with your opinion, this will help us to build instruments ever closer to customer's real requirements.

One last thing: read this manual before using the instrument, an incorrect operation can cause damages to you and to the unit. Take care!

The SOUNDSATION Team

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IMPORTANT SAFETY SYMBOLS

┌───┐
│ ⚡   │ **CAUTION**   │ ! │
│   │ RISK OF ELECTRIC SHOCK   │   │
│   │ DO NOT OPEN   │   │
└───┘

⚡ The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.

! The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.

⏚ Protective grounding terminal

∼ Alternating current/voltage

⚡ Hazardous live terminal

ON Denotes the apparatus is turned on

OFF Denotes the apparatus is turned off

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

♻ To protect the environment, please try to recycle the packing material as much as possible

⌂ The projector is for indoor use only, IP20. Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects.

🗑 Don't throw this product away just as general trash, please deal with the product follow the abandon electronic product regulation in your country.

⟨···0.5m⟩ Locate the fixture in a well ventilated spot, away from any flammable materials and/or liquids. The fixture must be fixed at least 50cm from surrounding walls

TAKING CARE OF YOUR PRODUCT

▶   Read these instructions
▶   Keep these instructions
▶   Heed all warning

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▶   Follow all instructions

WATER / MOISTURE

The apparatus should be protected from moisture and rain and can not be used near water; for example near a bathtub, a kitchen sink, a swimming pool, etc.

CONDENSATION

To avoid condensation to be formed inside, allow this unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damages.

HEAT

The apparatus should be located away from heat sources such as radiators, stoves or other appliances that produce heat. Don not use it when maximum ambient temperature is higher than 40°C.

VENTILATION

Do not block areas of ventilation opening. Failure to do could result in fire. Always install according to the manufacturer's instructions.

OBJECT AND LIQUID ENTRY

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

POWER CORD AND PLUG

Protect power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two poles; a grounding-type plug has two poles and a third grounding terminal. The third prong is provided for your safety. If the provided plug does not fit into your outlet, refer to an electrician for replacement. Unplug the unit when it is not used for a longer time.

POWER SUPPLY

In case of external power supply, the apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user. Unplug this apparatus during lightning storms or when unused for long periods of time.

ELECTRICAL CONNECTION

Always disconnect from the power source before servicing or replacing fuse and be sure to replace with same fuse size and type. Cut off power before moving, repairing and cleaning the unit. Improper electrical wiring may invalidate the product warranty.

To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Do not power on and power off the fixture in a short time.

DMX CONNECTION

When use DMX controller, please make sure that there is no interference sources (e.g. intercom, high frequency radio waves and radiation source).

CLEANING

Clean only with a dry cloth. Do not use any solvents such as benzene or alcohol.

SERVICING

Do not implement any servicing other than those means described in the manual. Refer all servicing to qualified service personnel only. Only use accessories/attachments or parts recommended by the manufacturer.

I.   INTRODUCTION

Thank you for purchasing our MOOD 107 WASH moving head. Enjoy your new equipment and make sure to read this manual carefully before operation!

This user manual is made to provide both an overview of controls, as well as information on how to use them. In order to help you to understand the connections between the various controls, we have gathered in groups according to their functions.

I.I.   UNPACKING

Your MOOD 107 WASH was carefully packed to ensure safe transport. Despite this, we recommend you to carefully examine the package and its contents for any signs of physical damage, which can occur during transport. It is composed by following parts:

▶   Moving Head
▶   Power Cord
▶   Clamp
▶   User manual

☞ **ATTENTION: Packaging bag is not a toy! Keep out of reach of children!!! Keep in a safe place the original packaging material for future use.**

If anything damaged during transport, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If the fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing. Please do not take any action without first contacting us.

1.2. Accessories

SOUNDSATION can supply a wide range of quality accessories that you can use with your MOOD 107 WASH moving head, like Cables, Splitters, DMX controllers, and a wide range of other fixtures.

All products in our catalogue has been long tested with this device, so we recommend you to use Genuine SOUNDSATION Accessories and Parts.

Ask your SOUNDSATION dealer or check out our website www.soundsationmusic.com for any accessories you could need to ensure best performance of the product.

2. OVERVIEW

MOOD 107 WASH moving head is part of a wider range of SOUNDSATION DMX intelligent LED Moving Head Lights. This lighting is compact and light weight and very easy to use. It is ideal for any rental job or installation. The unit can be controlled by any DMX controller or in standalone mode.

3. MAIN FEATURES

- ▶ 7 pieces of 10W RGBW 4in1 high brightness LEDs
- ▶ LED lifetime between 80,000 and 100,000 hours
- ▶ 4 operation mode: DMX control, Master/slave, Auto run, Sound
- ▶ DMX Mode: 9CH and 13CH
- ▶ LED display, easy to control

4. MAINS CONNECTIONS

Connect the device to the mains with the supplied power cable. Please note that power voltage and frequency are the same as the marked voltage and frequency of device when connecting power.

Wire correspondence is as follow:

Cable (EU)	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

☞ **The earth must to be connected! Pay attention to the safety! Before taking into operation for the first time, the installation has to be approved by an expert.**

5. DMX CONNECTION

DMX fixtures are designed to receive data through a serial Daisy Chain. A Daisy Chain connection is where the DATA OUT of one fixture connects to the DATA IN of the next fixture. The order in which the fixtures are connected is not important and has no effect on how a controller communicates to each fixture. Use an order that provides for the easiest and most direct cabling.
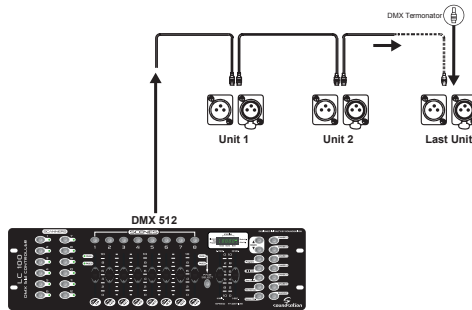
Connect fixtures using shielded 2-conductor twisted pair cable with 3-pin XLR male to female connectors. The shield connection is pin 1, while pin 2 is Data Negative (S-), and pin 3 is Data positive (S+).

DMX use of 3-Pin XLR Connectors

3-Pin XLR
Pin 1: GND
Pin 2: DMX -
Pin 3: DMX +
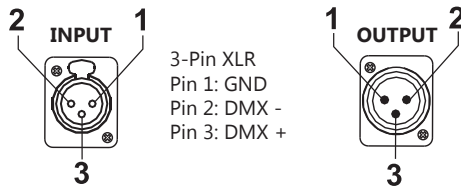
☞ **CAUTION: Wires must not come into contact with each other; otherwise the fixtures will not work at all, or will not work properly.**

5.1. DMX Terminator

DMX is a resilient communication protocol, however errors still occasionally occur. In order to prevent electrical noise from disturbing and corrupting the DMX control signals, a good habit is to connect DMX output of last fixture in the chain to a DMX terminator, especially over long signal cable runs.

The DMX terminator is simply an XLR connector with a 120Ω (ohm), 1/4 Watt resistor connected across Signal (-) and Signal (+), respectively, pins 2 and 3, which is then plugged into the output socket on last projector in the chain. The connections are illustrated below.
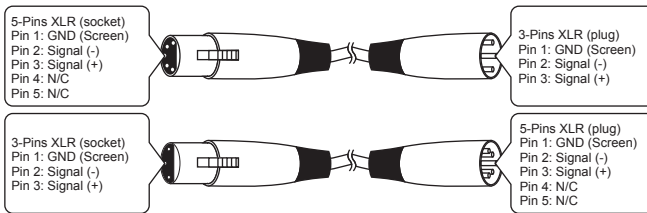
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☞ **Complimentary signal cable can transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures.**

5.2.3-Pin Vs 5-Pin DMX cables

DMX connection protocols used by controllers and fixtures manufacturers are not standardized around the world. However, two are the most common standards: 5-Pin XLR and 3-Pin XLR system. If you wish to connect MOOD 107 WASH to a 5-Pin XLR input fixture, you need to use an adapter-cable or make it by yourself.

Following the wiring correspondence between 3-Pin and 5-Pin plug and socket standards

5-Pins XLR (socket)
Pin 1: GND (Screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

3-Pins XLR (plug)
Pin 1: GND (Screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

3-Pins XLR (socket)
Pin 1: GND (Screen)
Pin 2: Signal (-)
Pin 3: Signal (+)

5-Pins XLR (plug)
Pin 1: GND (Screen)
Pin 2: Signal (-)
Pin 3: Signal (+)
Pin 4: N/C
Pin 5: N/C

6. FRONT & REAR PANELS

Front panel is composed by a 4-digit LED display and four buttons (MODE/ESC, UP, DOWN, ENTER), which help the user to adjust all functions described in the following paragraphs. The fixture is really easy to be controlled.
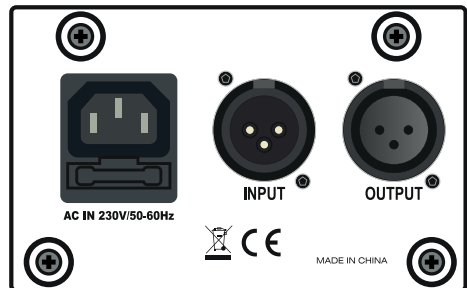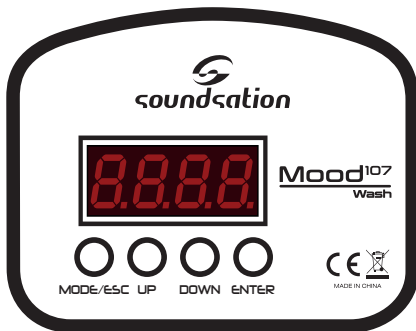
Rear panel has following connections (starting from left side):

▶ AC MAINS Input connector with Fuse (2A - 250V)

▶ DMX IN & OUT: 3-poles XLR Male/Female connectors for DMX512 protocol communication

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7. DISPLAY OPERATION

No	Menu	Display	Function
1	PAS4	PA18	Pan motor rotates 540 degrees
		PA36	Pan motor rotates 360 degrees
		PAS4	Pan motor rotates 180 degrees
2	tA	tA	Tilt motor rotates 90°
		tI8	Tilt motor rotates 180°
3	PAn	PAn	Pan motor rotates clockwise
		rPAn	Pan motor rotates anticlockwise
4	tIL	tIL	Tilt motor rotates clockwise
		rtIL	Tilt motor rotates anticlockwise
5	dIS	dIS	Forward display
		rdIS	Reverse display
6	MAFA or MASL	FASt	Auto Run Fast Mode
		SLOU	Master slow auto
7	MStS	SrUn	Sound Control Mode Active
8	SLAu	Son	Slave Mode Active
9	rESt	rESt	Reset
10	LoAd	LoAd	Restore Factory Defaults
11	d001	d001 - d512	DMX512 Address Setting
12	14CH or 9CH	14CH	14 channels mode
		9CH	9 channels mode

8. DMX CHANNEL MODES

8.1. 9-CH Mode

DMX Ch.	Function	Data	Function Description
CH1	Pan	0 - 255	Pan
CH2	Tilt	0 - 255	Tilt
CH3	Dimmer and Strobe	0 - 007	No function
		8 - 134	Dimmer
		135 - 239	Strobe 0Hz to 40Hz
		240 - 255	Dimmer
CH4	Red	0 - 255	Red

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CH5	Green	0 - 255	Green
CH6	Blue	0 - 255	Blue
CH7	White	0 - 255	White
CH8	Motor speed	0 - 255	Pan/Tilt speed
CH9	Reset	0 - 149	No function
		150 - 200	Renew factory state
		201 - 255	No function

8.2.14-CH Mode

DMX Ch.	Function	Data	Function Description
CH1	Pan	0 - 255	Pan
CH2	Pan Fine	0 - 255	Pan fine
CH3	Tilt	0 - 255	Tilt
CH4	Tilt Fine	0 - 255	Tilt fine
CH5	Pan / Tilt Speed	0--255	Pan / Tilt speed
CH6	Dimmer and Strobe	0 - 007	No function
		8 - 134	Dimmer
		135 - 239	Strobe 0Hz to 40Hz
		240 - 255	Open
CH7	Red	0 - 255	Red
CH8	Green	0 - 255	Green
CH9	Blue	0 - 255	Blue
CH10	White	0 - 255	White
CH11	COLOR mixed and changed	0 - 223	Color Mixed
		224 - 240	Color gradient from slow to fast
		241 - 255	Color jump from slow to fast
CH12	Color speed	0 - 255	Color speed
CH13	Movement (auto & sound effect)	0 - 3	DMX control
		4 - 102	Auto 1
		103 - 152	Auto 2
		153 - 203	Auto 3
		204 - 255	Sound
CH14	Reset	255	Factory Reset

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9. TECHNICAL SPECIFICATIONS

Light Source	7 pieces of 10W RGBW 4in1 high brightness LEDs
LED lifetime	Between 80,000 and 100,000 hours
Beam Angle	25°
PAN	540°, 16bit fine
TILT	270°, 16 bit fine
Operation mode	DMX control, Master/slave, Auto run, Sound
DMX Mode	9CH and 14CH
Dimmer	Electronic Linear Dimming 0-100%
Voltage	AC 100-240V / 50~60Hz
Power consumption	75W
Fuse	T2A/250V (5x20mm)
Fixture Size (LxHxD)	175 x 240 x 175 mm
Fixture Weight	2.9 Kg
Packing Size (LxHxD)	280 x 250 x 230 mm
Packing Weight	3.4 Kg

Our products are subject to a process of continual further development. Therefore modifications to the technical features remain subject to change without further notice.

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10. WARRANTY AND SERVICE

All SOUNDSATION products feature a limited two-year warranty. This two-year warranty is specific to the date of purchase as shown on your purchase receipt.

The following cases/components are not covered from the above warranty:

• Any accessories supplied with the product
• Improper use
• Fault due to wear and tear
• Any modification of the product effected by the user or a third party

SOUNDSATION shall satisfy the warranty obligations by remedying any material or manufacturing faults free of charge at SOUNDSATION's discretion either by repair or by exchanging individual parts or the entire appliance. Any defective parts removed from a product during the course of a warranty claim shall become the property of SOUND-SATION.

While under warranty period, defective products may be returned to your local SOUNDSATION dealer together with original proof of purchase. To avoid any damages in transit, please use the original packaging if available. Alternatively you can send the product to SOUNDSATION SERVICE CENTER – Via Enzo Ferrari , 10 – 62017 Porto Recanati - Italy . In order to send a product to service center you need an RMA number. Shipping charges have to be covered by the owner of the product.

For further information please visit www.soundsationmusic.com

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II. WARNING

PLEASE READ CAREFULLY – EU and EEA (Norway, Iceland and Liechtenstein) only

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2202/96/EC) and your national law.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (WEEE).

Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service.

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