

Mega Wash

Model Number: MOV36X8

PHANTOS

Please note that as part of our ongoing commitment to continuous product development, specifications are subject to change without notice. Whilst every care is taken in the preparation of this manual we reserve the right to change specifications in the course of product improvement. The publishers cannot be held responsible for the accuracy of the information herein, or any consequence arising from them.



V1.0
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1. INTRODUCTION

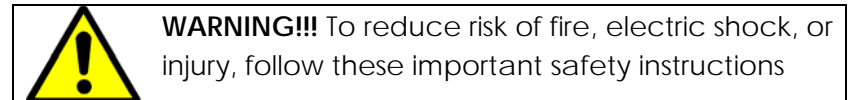
Thank you for purchasing Mega Wash Moving Head. Please read this user manual carefully and thoroughly before operation. Please keep this user guide for future reference. This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual. The manufacturer/distributors/dealers will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

1.1 What is Included

- a) 1X Mega Wash Moving Head
- b) 1X user manual
- c) 1X power lead
- d) 1X Bracket

Carefully unpack the carton, check the contents to ensure that all parts are present and in good condition. Contact your supplier if any part is missing or damaged.

1.3 Safety Instructions



- Avoid brute force when installing or operating the fixture.
- This device is for professional use only. It is not for household use.
- When choosing the installation spot, please make sure that the fixture is not exposed to extreme heat or dust.
- Avoid using the unit in locations subject to possible impacts.

- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- Always turn off, unplug power and allow fixture to cool before servicing.
- Ensure that fixture is properly grounded. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure power cord is never crimped or damaged. Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not remove the cover under any conditions, unless consent given by distributor. There are no user serviceable parts inside.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 15cm between this device and a wall.
- DO NOT connect this product to a dimmer or rheostat.
- ONLY connect this product to a grounded and protected circuit.
- ONLY use the hanging/mounting bracket to carry this product.
- USE a safety cable when mounting this product overhead.
- DO NOT look at the light source when the product is on.

2. SET UP

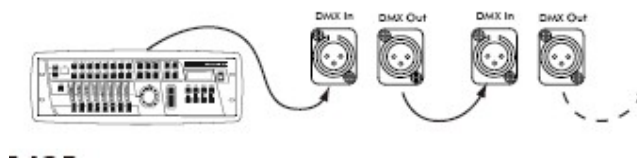
2.1 Mounting

With adjustable mounting double brackets, this unit may be wall mounted, free standing, or clamp mounted.

IMPORTANT!!! Safety cables must always be used. The safety cable must be capable of holding 10 times the weight of the fixture.

2.2 Fixture Linking

To run your light shows of one or more fixtures using a DMX-512 controller or to run synchronized shows on two or more fixtures in master/slave operating mode, you need DMX cables to link the units from DMX IN to DMX OUT.



Only use standard 110-120 Ohm shielded cable. These are 2 core-screened cables, with each core having at least a 0.5mm diameter. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

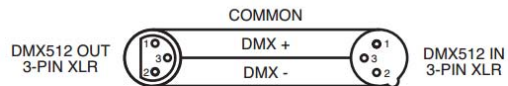
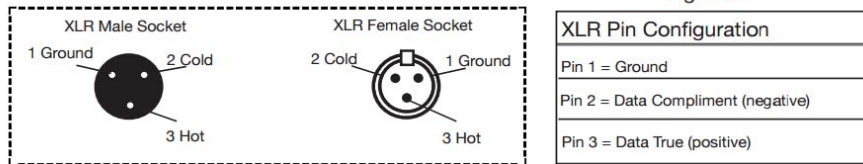
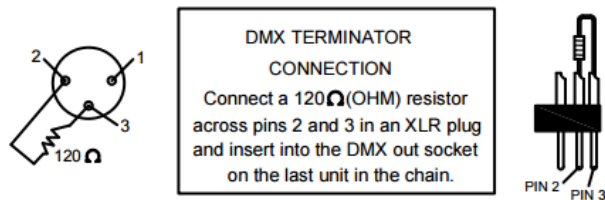


Figure 2



2.2.1 Line Termination

In DMX Mode, at the last fixture in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals. The DMX terminator is simply an XLR connector with a 120Ω (ohm) resistor connected across pins 2 and 3, which is then plugged into the output socket on the last projector in the chain. The connections are illustrated below.



2.3 AC Power

This product has an auto-ranging power supply that can work with an input voltage range of 100-240 VAC, 50/60 Hz.

Warning!!! All fixtures must be connected to circuits with a suitable Earth Ground.

3 OPERATION INSTRUCTIONS

3.1 Menu Map

Display	Function
DMX 512 Address	Set DMX address 001-512
Channel Mode	10CH, 15CH mode
Show Run Mode	Auto Run Mode, choose from 0-99 Fast and 0-99 Slow
ID Address Setting	Set Fixture ID 0-255
Sound Run Mode	Sound Active Mode, choose from 0-99 Fast and 0-99 Slow
Pan Inverse	Reverse Pan Direction (Y/N)
Tilt Inverse	Reverse Tilt Direction (Y/N)
Backlight	Backlight ON (Y/N)
RGBW Dimmer	Manually Set dimmer value for Red, Green, Blue, and White color. Press Enter after setting value for one color to go to next color.
Pan Angle	630 or 540 degree
Test Mode	Manually setting/testing functions including: RGBW dimmer, Strobe, Pan/Tilt, and Focus.
Temperature	NOT LINKED (this model does not come with thermo reader)
LanguageM	Select Language (CHN/ENG)
Motor Offset	Pan/Tilt calibration -127- +127
Load Default	Load default settings
Fixture Reset	Restart moving head
Fix. Usage Time	Accumulated usage time
Next Service T	Time until next service (manufacturer use only)
Factory Settings	(manufacturer use only, requires password)

3.2 DMX Mode

In DMX mode, you can control the fixture with a DMX controller. Press **OK** button to highlight **SET** menu. Press **OK** again to enter **Setting** menu. The first option is **Run** mode. Set run mode to DMX. Choose channel mode, and set DMX address accordingly as explained in **3.1 Menu Map**

DMX Protocol:

Std.	Ext.	DMX	Function
Ch1	Ch1	0-255	Pan
Ch2	Ch2	0-255	Tilt
Ch4	Ch3	0-255	Dimmer
Ch5	Ch4	0-255	Strobe slow to fast
Ch6	Ch5	0-255	Red
Ch7	Ch6	0-255	Green
Ch8	Ch7	0-255	Blue
Ch9	Ch8	0-255	White
	Ch9	0-255	Pan/Tilt Speed 100-0%
		0-002	No Function
Ch10	Ch10	3-189	Static Colors
		190-219	Color change fast to slow
		220-255	Color fade fast to slow
	Ch11	0-255	Pan fine
	CH12	0-255	Tilt fine
	Ch13	0-007	No Function
		8-255	Pan/Tilt Auto Play
		0-053	No Function
		54-102	Pan reset
	Ch14	103-126	Tilt Reset
		127-168	No Function
		169-210	Pan Tilt Reset
		211-255	Fixture Reset

Ch15	0-255	Color macro speed 0-100%
Ch16	0-255	Manual Zoom 60°-10°
CH17	0-002	No function
	3-255	Zoom in/out slow to fast

3.4 Master/Slave Mode

In this mode, multiple units can be linked together as one system and run in sync. Maximum **31pcs** can be linked in a daisy chain as Master/Slave system.

1. Use DMX cable to link your lights together via DMX OUT to DMX IN connector.
2. One of the fixtures is set as Master (refer to **3.1 Menu Map** on how to set a fixture as Master) and this unit can then be set to work under any of the Auto, Macro, Static Color, or Sound mode specified in 3.1 Menu Map. Others are to be set as Slave mode (refer to **3.1 Menu Map** on how to set a fixture to Slave mode, if not mentioned then set to DMX address **001**).
3. All slave units will follow master unit.

4.SERVICING

4.1 Fuse Replacement

1. Disconnect this product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove blown fuse and replace with a good fuse of the same type and rating.
4. Screw the fuse holder cap back in place and reconnect power

4.2 Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

4.3 Trouble Shooting

Problem	Probable cause(s)	Remedy
One or more fixtures are dead.	No power to the fixture	- Check that power is switched on and cables are plugged in.
	Primary fuse blown	- Replace fuse.
Fixtures reset correctly, but all respond erratically or not at all to the controller.	The controller is not	- Connect controller.
	3-pin XLR Out of the controller does not match XLR Out of the first fixture on the link (i.e.	- Install a phase reversing cable between the controller and the first fixture on the link.
Fixtures reset correctly, but some respond erratically or not at all to the controller.	Poor data quality	- Check data quality. If much lower than 100 percent, the problem may be a bad data link connection, poor quality or broken cables, missing termination plug, or a defective fixture
	Bad data link connection	- Inspect connections and cables. Correct poor connections. Repair or replace damaged
	Data link not terminated with 120	- Insert termination plug in output jack of the last fixture on the link.
	Incorrect addressing of the fixtures.	- Check address setting.
	One of the fixtures is defective and disturbs data transmission on the link.	- Bypass one fixture at a time until normal operation is regained: unplug both connectors and connect them directly together. - Have the defective fixture serviced by a qualified technician.
	3-pin XLR Out on the fixtures does not match	- Install a phase-reversing cable between the fixtures or swap pin 2 and 3 in the fixture that behaves erratically.

No light	The power supply settings do not match local AC voltage and frequency.	Disconnect fixture. Check settings and correct if necessary.
	Lamp missing or blown	Disconnect fixture and replace lamp.
Lamp cuts out intermittently.	Fixture is too hot.	<ul style="list-style-type: none"> · Allow fixture to cool. · Clean fan (if applicable). · Make sure air vents at control panel and front lens are not blocked.
	The power supply settings do not match local AC	Disconnect fixture. Check settings and correct if necessary.

Disconnect from mains before servicing.

5. TECHNICAL SPECIFICATIONS

WEIGHT&DIMENSIONS

Width	28cm
Depth	23cm
Height	45cm
Weight	9.0 kg

POWER

AC Power	AC110-240V 50/60Hz
Power Consumption	265W MAX.
Fuse	

LIGHT SOURCE

	36X8W RGBW CREE LED
Beam Angle	10-60 degree
Brightness	379-1088Lux @5m

PHOTOMETRICS DATA

6 WARRANTY

Phantos Lighting hereby warrants, to the original purchaser, distributed products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase. This warranty shall be valid only if the product is purchased in Australia through distributor/dealers. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

For warranty service you must obtain a Return Authorization Code (RAC) via email before sending back the product.

Please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) A brief description of the symptoms

All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Phantos Lighting will pay return shipping charges only to a designated point within Australia. No accessories should be shipped with the product. If any accessories are shipped with the product, Phantos Lighting shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

This warranty is void if:

- the serial number (if applied) has been altered or removed;
- the product is modified in any manner which Phantos Lighting concludes, after inspection, affects the reliability of the product;
- the product has been repaired or serviced by anyone other than Phantos Lighting unless prior written authorization was issued to

purchaser by Phantos Lighting;

- the product is damaged because not properly maintained as set forth in the instruction manual.

This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, Phantos Lighting will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Phantos Lighting under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Phantos Lighting.

Phantos Lighting reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Phantos Lighting in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Phantos Lighting be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

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