Panel Wash HEX

Model Number: P24HEX

PHANTOS

V1.0
20150826

Thank you for purchasing Panel Wash HEX. 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 Panel Wash HEX with barn door
b)   1X user manual

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

> ⚠ **WARNING!!!** To reduce risk of fire, electric shock, or injury, follow these important safety instructions
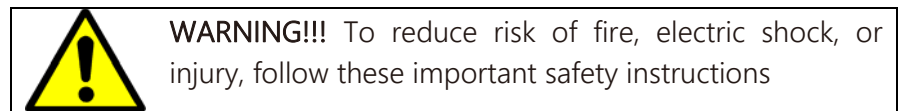
・Avoid brute force when installing or operating the fixture.
・This device is for professional use only. It is not for household use.
・When choosing the installation spot, please make sure that the fixture is not exposed to extreme heat or dust.
・Avoid using the unit in locations subject to possible impacts.
・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.

2.1 Mounting

With adjustable mounting double brackets, this unit may be wall mounted, free standing, or clamp mounted.
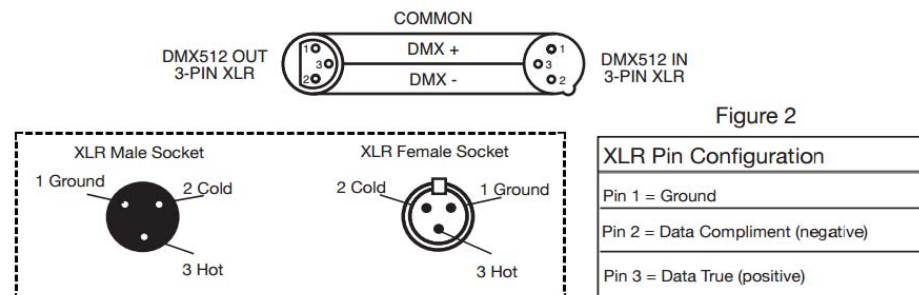
> IMPORTANT!!! Safety cables must always be used. The safety cable must be capable of holding 10 times the weight of the fixture.

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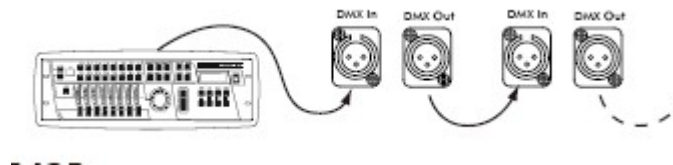
Only use standard 110-120 Ohm shielded cable. These are 2 core-screened cables, with each core having at least a 0.5mm diameter. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's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

Figure 2

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

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.
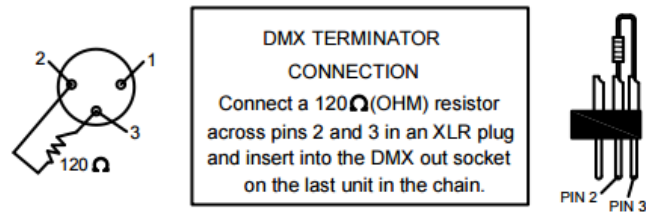
2.3 AC Power

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.

3.1 Menu Map

Display	Function
A001-A512	DMX mode, 6CH
d001-d512	DMX mode, 10CH
CC00-CC99	Color macro 1
CP00-CP99	Color macro 2
dE00-dE99	Color macro 3
SS01-SS99	Macro Speed
bEbE	Master mode
F --on--	Display on (--oFF, Display off)
R000-R255	Red Dimmer
G000-G255	Green Dimmer
B000-B255	Blue Dimmer
O000-O255	White Dimmer
Y000-Y255	Amber Dimmer
P000-P255	UV Dimmer

3.2 Auto Mode

In this mode, you can set the unit to run in static colors, strobe, or do color changing without a DMX controller.

1. Press **MENU** button until display reads: " **CCxx** ", "**CPxx**" or "**dExx**".
2. Press **ENTER** button and use **UP/DOWN** button to select number from **00-99** to adjust running speed from slow to fast.

3.3 DMX Mode

In DMX mode, you can control the fixture with a DMX controller.
1. Press **MENU** button until display reads: " **dxxx** " for DMX mode.
2. Then press **ENTER** button and use **Up/Down** button to set DMX address for the fixture.

DMX Protocol:

6CH	10CH	DMX	Function
	Ch1	0-255	Master dimmer
Ch1	Ch2	0-255	Red dimmer
Ch2	Ch3	0-255	Green dimmer
Ch3	Ch4	0-255	Blue dimmer
Ch4	Ch5	0-255	White dimmer
Ch5	CH6	0-255	Amber dimmer
Ch6	CH7	0-255	UV dimmer
	Ch8	0-255	Master strobe
		0-49	No function
		50-99	Macro 1
	Ch9	100-149	Macro 2
		150-199	Macro 3
		200-255	Sound activated
	Ch10	0-255	Macro speed

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 **d001**).
3. All slave units will follow master unit.

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

1. Unit does not respond to DMX:
Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be 'hot'). It does matter which way the inputs and outputs are connected.

Disconnect from mains before servicing.

5.TECHNICAL SPECIFICATIONS

WEIGHT&DIMENSIONS

Length	36cm including yoke
Depth	24cm including yoke
Height	15cm
Weight	5.3kg

POWER

AC Power	AC110-240V 50/60Hz
Power Consumption	295W MAX.
Fuse	

LIGHT SOURCE

LIGHT SOURCE	24X12W RGBWAUV LEDs
Beam Angle	38 degree

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 number (RA#) via email before sending back the product. Send the product only to Phantos Lighting. 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.