MW-7

Item ref: 150.449UK

4-in-1 LED Mini Moving Head

User Manual

Please read through this manual thoroughly before use, any damage caused by misuse of the product will not be covered by the warranty.

This compact and lightweight mini moving head uses the 4-in-1 RGBW quad LED technology for the very best in colour mixing. Featuring auto and sound-to-light modes, this 13 channel DMX light effect is free standing or can be mounted to trussing using the supplied brackets. It is ideal for various uses such as small stages, bars, nightclubs and mobile DJs.

- High power 7 x 4-in-1 quad LED technology
- RGBW colour mixing
- PAN adjust 0-540° with preference setting of 180° and 360°
- Tilt adjust 0-180° with preference setting of 90°
- Auto, sound-to-light, DMX or master/slave controls
- 13 channel DMX control
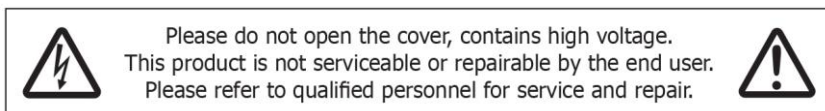- We recommend that this product is used within the guidelines HSG95

Specifications

Power supply	100-240Vac, 50/60Hz		Pan	0-540°
Power	100W		Tilt	0-180°
Fuse rating	F3A		DMX connection	XLRM in, XLRF out
Effect LEDs	7 x 10W 4-in-1 RGBW		Dimensions	270 x 222 x 235mm
Beam angle	45°		Weight	3.4kg
DMX channels	13		LED safety standard	BSEN62471:2008

In the box

1 x MW-7 unit, 1 x UK IEC mains lead and 1 x manual.

Please do not open the cover, contains high voltage.
This product is not serviceable or repairable by the end user.
Please refer to qualified personnel for service and repair.

To prevent risk of fire or electric shock, do not expose the unit to rain or damp environments. In the event of a spillage, disconnect the mains and allow the unit to dry out naturally. Qualified personnel should then check the unit before continuing use. Always check the correct voltage and the condition of the IEC lead before connecting to a power outlet. Always ensure any DMX leads used are in good condition with no short connections or damaged plugs.
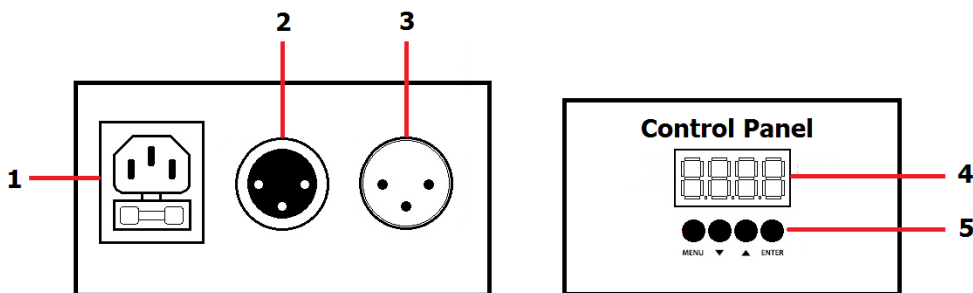
General Maintenance:

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced life and increased mechanical wear. Be sure to power off the fixture before conducting maintenance.

Unplug fixture from the mains and use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when fixture is cold with a mild solution to the cloth or tissue, and drag dirt and grime to the outside of the lens. Gently polish optical surface until they free of haze and lint.

The cleaning of external optical lenses must be carried out periodically to optimize light output. Cleaning frequently depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can require cleaning fluid. Always dry the parts carefully. Clean the external optics at least every 20 days.

Installation:

Every person involved with the installation, operation and maintenance of this device should be qualified and follow the instructions in this User Guide. We recommend that this product is not used for audience scanning and should be used within the guidelines of "HSG95". When you connect to the main power supply the device will take around 10 seconds before ready for use.

1. IEC mains in
2. DMX signal in XLR socket
3. DMX signal out XLR plug
4. 7 segment LCD display
5. **Manual control**

Manual control menu

Press the "menu" button to enter the setting menu.
Press "up" and "down" to navigate through various setting options.
Press "enter" to enter the desired setting.
Choose set value by "up" and "down" buttons and confirm setting by pressing "enter".

Display	Mode	Press ENTER for setting
Addr	DMX address	d001 to d512
CHnL	DMX channel mode	8Ch or 13Ch
AUto	Auto/Slave mode	AUt1, AUto2, AUto3, SoUn or SLAu
SEnS	Microphone sensitivity	0 - 100 (0-100% gain)
Pd ir	Pan direction	rPAn = reversed pan direction, PAn = normal pan directtion
td ir	Pan direction	tPAn = reversed tilt direction, t iLt = normal tilt directtion
di SP	LED display inverted	di SP / dSi P (normal or inverted display)
PAn	Pan angle value setting	PA54 = max pan angle 540, PA36 = max pan angle 360, PA 18 = max pan angle 180
t iLt	Tilt angle value setting	t i18 = max tilt angle 180, t i90 = max tilt angle 90

Operation

The MW-7 can operate in stand-alone, master, slave or DMX modes.

Stand-alone

For stand-alone mode, first choose **AUto**. Then select one of the three pre-programmed auto mode modes:

AUt1 - auto mode 1, fast colour jump
AUt2 - auto mode 2, slow colour jump
AUt3 - auto mode 3, colour scroll
SoUn - sound to light mode

Master/slave

Additional MW-7 units can be controlled by one master unit allowing synchronisation. MW-7 will automatically recognized as master unit when set to **AUt1**, **AUt2**, **AUt3** or **SoUn**. To set other units to slave, select **SLAu** from **AUto** menu. Connect DMX out from the master unit to the DMX in of the slave unit.

DMX mode

The MW-7 can be control by DMX signal, simply connect the DMX signal source to the DMX in of the unit via a balanced XLR lead. Extra fixtures can be controlled by the same DMX signal by looping through the DMX out on the MW-7. Ensure the correct DMX start address is set from the **Addr** option on the manual control.

DMX channel value reference

8 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	Pan value
Channel 2	000-255	Tilt value
Channel 3	000-008	Black out
	009-135	Master dimmer 0-100%
	135-240	Strobe
	240-255	Full on
Channel 4	000-255	Red dimmer 0-100%
Channel 5	000-255	Green dimmer 0-100%
Channel 6	000-255	Blue dimmer 0-100%
Channel 7	000-255	White dimmer 0-100%
Channel 8	000-255	Pan and tilt speed setting

13 channel mode:

Channel	DMX Value	Function
Channel 1	000-255	Pan value
Channel 2	000-255	Fine pan value
Channel 3	000-255	Tilt value
Channel 4	000-255	Fine tilt value
Channel 5	000-255	Pan and tilt speed setting
Channel 6	000-008	Black out
	009-135	Master dimmer 0-100%
	135-240	Strobe
	240-255	Full on
Channel 7	000-255	Red dimmer 0-100%
Channel 8	000-255	Green dimmer 0-100%
Channel 9	000-255	Blue dimmer 0-100%
Channel 10	000-255	White dimmer 0-100%
Channel 11	000-000	N/A
	001-015	Static colour red
	016-063	Static colour yellow
	064-079	Static colour green
	080-127	Static colour cyan
	128-143	Static colour blue
	144-175	Static colour pink
	176-191	Static colour cool white
	192-223	Static colour cool white
	224-237	Colour scroll
	238-255	Colour jump
Channel 12	000-003	N/A
	004-102	Auto mode 1
	103-153	Auto mode 1
	154-204	Auto mode 1
	205-255	Sound to light mode
Channel 13	000-254	N/A
	255-255	Factory reset

Troubleshooting

No power (mains)	Check mains voltage is correct and outlet is switched on
	Check IEC lead and fuse (if fuse continually blows, refer to your dealer)
No LED display	Press any control panel button and check LED setting in menu
No light output	Check control panel mode settings (standby, slave, sensitivity, DMX)
	Check DMX settings from controller (dimmer levels, blackout etc.)
No strobe output	Check strobe settings on control panel or from DMX controller
Unresponsive to DMX	Check DMX connection and leads
	Check that DMX mode is enabled (set "Addr" on control panel)
Overheating/ cutting out	Ensure that the unit is not too close to a heat source

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