User Manual

HEADBANGER10

SLI MHW HB10

Table of Contents

1. BEFORE USAGE

This package contains

- 1x HeadBanger 10
- 1x Power Cable
- 1x User Manual

Unpacking

- Thank you for purchasing this product, it has been thoroughly tested and has been shipped in perfect operating condition.
- Carefully check the packaging for damage that may have occurred during shipping.
- If the packaging appears to be damaged, carefully inspect your fixture for any damage and be sure all equipment necessary to operate the unit has arrived intact.
- If damage has been found or parts are missing, please contact your vendor or our customer support number for further instructions.

Introduction

- This fixture can operate in six different operating modes: DMX control, sound active, automatic, manual setup, infrared remote control or in a Master/Slave configuration
- This product comes with several built-in programs that can be used while operating as a single unit or with multiple units linked in a master/slave configuration
- For best results use fog or special effects smoke to enhance the beam projection
- *Warning!* To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- *Warning!* This product may cause severe eye damage. Avoid looking directly into the light source at all times!

Specifications
- Voltage: AC100V～240V, 50-60Hz
- Power Consumption: 80W
- Light source: 7x 10W RGBW 4 in 1 LED
- Beam angle: 25°
- Max output @1m: 6100 Lux
- PAN 540°, Tilt 270° with 16bit control
- DMX channels: 7 or 12 DMX Channels
- Packing Dimensions: 210x210x140mm
- Net weight: 2,75 Kg

Features
- 3PIN XLR DMX in and out
- IEC power in and out
- 4 control modes: DMX512, automatic programs, sound control, mast/slave
- LCD display for easy setup
- Indoor operation temperature range: -20°C～+40°C
- Dimmer: 0-100%
- Strobe 0-10Hz

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

2. INSTALLATION
Installation requirements
- The product can be hung or placed on a solid surface
- If you install the light in a hanging position, always use a suitable mounting position and a clamp or screw that is strong enough to hold the product without stress. Always use a safety wire to secure the light.
- Always keep a distance of minimum 0.5m to all objects or persons
- Installation should always be done by a trained professional.
- Make sure the light always has good ventilation
- It is recommended to always use 110 Ohm DMX cable to prevent data corruption of your DMX control signal

Power connection

The equipment has an auto-switching power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This equipment will accommodate between 100V and 240v AC 50-60HZ. It is possible to daisy chain the power connection from one fixture to the next. We recommend not connecting more than 30 fixtures on one 16A 220V socket and not more than 15 fixtures on one 16A 110V socket.

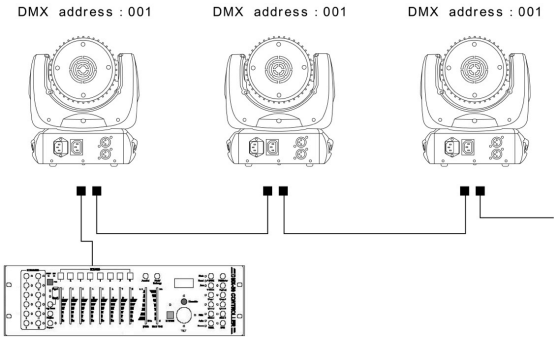| Color	Connection	PIN
Brown	AC live wire	1
Blue	AC zero curve	2
Green/Yellow	AC ground wire	3

DMX Serial Data Link

1. Connect the male 3pin DMX input of the first fixture to the female 3pin DMX output of the lighting controller using 110 Ohm DMX cable, for example a Stagg Commandor 10 (skip this step when not using a controller)
2. Connect the output of the first fixture to the input of the next fixture using 110 Ohm DMX cable. Repeat this process until you reach your last fixture. Here it is recommended to connect a DMX terminator to the output of the last fixture in the chain.

3. OPERATION

Menu Map

ADDR	DMX Adress	A001-A512
CHND	Channel Mode	7CH/12CH
SLND	Master/Slave	NAST/SL1/SL2
SOUN	Sound Sensitivity	0-100
AUTO	Auto Mode	NO/YES
STBY	Standby	NO/YES
PAN	PAN Reverse	NO/YES
TILT	TILT Reverse	NO/YES
LED	LED On/Off	ON/OFF
DISP	Display On/Off	ON/OFF
TEST	Self Test	
HOUR	Show Total Runtime	
RSET	Reset	

DMX address : 001   DMX address : 001   DMX address : 001

Operating Instructions

Take note: All changes made to the unit become active and saved when the unit exits it's menu. This is activated by not touching the control buttons for 5 seconds. The unit will then display the active running mode (NST/SL1/SL2 for Sound Control, AUTO for Automatic Programs or the DMX address when DMX input is detected).

ADDR - **DMX Address Setup**
- Press MENU, then Up or DOWN until "ADDR" is displayed, then press ENTER
- Change the DMX address by pressing UP or DOWN
- Press ENTER to save the DMX address

CHND - *DMX Channel Modes*
- Press MENU, then UP or DOWN until "Chnd" is displayed, then press ENTER
- "X Ch" will now be displayed. "X" represents the DMX mode you have selected (see DMX channel charts for reference). Choose your desired DMX mode with UP or DOWN and press ENTER to confirm.

SLND - **Master/Slave Setup**
- Press MENU, then UP or DOWN until "SLND" is displayed, then press ENTER
- "Nast": The unit becomes the master in the Master/Slave chain and should be the first light in it. All slave lights should be daisy-chained from the output of the master
- "SL1/SL2": The unit becomes a slave unit that follows the master unit when Automatic Programs or Sound Control is activated. SL1 does exactly the same, SL2 puts a little offset on the program so it does not run symmetrical and gives dynamic to the show.
- Press ENTER to confirm

SOUN - **Sound Sensitivity Setup**
- Press MENU, then UP or DOWN until "SOUN" is displayed, then press ENTER
- You can adjust the sensitivity of the internal microphone using the UP or DOWN buttons, press ENTER to confirm.

AUTO - **Automatic Programs Setup**
- Press MENU, then Up or DOWN until "AUTO" is displayed, then press ENTER
- "Yes": When this option is selected, the HeadBanger 10 will run automatic programs if there is no DMX input signal detected.
- "No": When this option is selected, Automatic programs are disabled and the HeadBanger 10 will use Sound Controlled Programs when no DMX input signal is detected.
- Press ENTER to confirm

STBY - **Standby setup**
- Press MENU, then UP or DOWN until "STBY" is displayed, then press ENTER
- "Yes": When no DMX input is detected, the unit will bypass sound controlled programs or automatic programs and enter standby mode.
- "No": When no DMX input is detected, the unit will activate either sound control or automatic programs.
- Press ENTER to confirm

PAN - **Pan Inversion**
- Press MENU, then UP or DOWN until "PAN" is displayed, then press ENTER
- "Yes": The unit inverts the PAN (vertical) movement (up becomes down)
- "No": The unit's PAN movement is run normally.
- Press ENTER to confirm

TILT - **Tilt Inversion**
- Press MENU, then UP or DOWN until "TILT" is displayed, then press ENTER
- "Yes": The unit inverts the TILT (horizontal) movement (left becomes right)
- "No": The unit's TILT movement is run normally.

LED - **Display on/off**
- Press MENU, then UP or DOWN until "LED" is displayed, then press ENTER
- "On": When the unit exits the menu and enter run mode, the display will remain lit and will show the current status
- "Off": When the unit exits the menu and enter run mode, the display will turn off.

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DISP - **Display Inversion**
- Press MENU, then UP or DOWN until "DISP" is displayed, then press ENTER
- By pressing ENTER, the unit's display can be inverted so that when the light is hung upside-down, the display will still be properly readable by the user.

TEST - **Self-Test**
- Press MENU, then UP or DOWN until "TEST" is displayed, then press ENTER
- The unit will run a self-test program, testing all the features individually. Press MENU to exit.

HOUR - **Runtime**
- Press MENU, then UP or DOWN until "HOUR" is displayed, then press ENTER
- The total running time of the unit is displayed, press MENU to exit.

RSET - **Reset**
- Press MENU, then UP or DOWN until "SLav" is displayed, then press ENTER
- The current software version is displayed, press MENU to exit.

DMX Channels

7 Channels Mode

CHANNEL	VALUE	FUNCTION
1	0	Stop
	1~255	Adjust Pan
2	0	Stop
	1~255	Adjust Tilt
3	0~200	Dimmer
	201-255	Strobe
4	0	Close
	1~255	Red
5	0	Close
	1~255	Green
6	0	Close
	1~255	Blue
7	0	Close
	1~255	White

12 Channels Mode

CHANNEL	VALUE	FUNCTION
1	0	Stop
	1~255	Adjust Pan
2	0	Stop
	1~255	Adjust Pan fine
3	0	Stop
	1~255	Adjust Tilt
4	0	Stop
	1~255	Adjust Tilt fine
5	0~10	Close
	11~255	Dimmer
6	0	Close
	1~255	Red
7	0	Close
	1~255	Green
8	0	Close
	1~255	Blue
9	0	Close
	1~255	White
10	0~9	Close
	10~255	Color Macros
11	0~9	No strobe
	10~255	Strobe (slow to fast)
12	0~127	Disable sound active mode
	128~255	Activate sound active mode

IMPORTANT SAFETY INSTRUCTIONS

READ AND KEEP THESE INSTRUCTIONS. HEED ALL WARNINGS.

• If, after you have followed the instructions outlined above, this device fails to function, please contact your dealer. Under no circumstances should this device be opened. Leave all servicing to qualified personnel.

•Electrical appliances must never be used in conditions of high humidity or heat. To prevent any risk of fire or electric shock, never spill or splash liquids on this device. Should this happen, unplug the power cable from the mains outlet and switch off the mixer immediately.

MARKING & CONFORMITY

1. The CE mark on this product means it conforms to the EMC Directive (2004/108/CE), CE marking Directive (93/68/EEC) and Low Voltage Directive (2006/95/EC).
2. The «Crossed-out Wheeled Bin» is to draw your attention to the WEEE (Waste Electric & Electronic Equipment) Directive (2002/96/EC). It means this apparatus must be collected separately for recycling.
3. «RoHS compliant» means this device conforms to the Directive (2002/95EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipments, such as: Mercury, Lead, Cadmium, Hexavalent Chromium, Polybrominated Buphenyl (PBB) and Polybrominated Diphenyl Ethers (PBDE).

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