

Stagg[®]

USER MANUAL



HEADBANGER10

MK3

SLI MHW HB10

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1. BEFORE USAGE

This package contains

- 1x HeadBanger 10 MK3
- 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: 9 or 14 DMX Channels
- Packing Dimensions: 210x210x140mm
- Net weight: 2,75 Kg

Features

- 3PIN XLR DMX in and out
- IEC power in
- 4 control modes: DMX512, automatic programs, sound control, master/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 0.5 m (1.6 ft.) 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

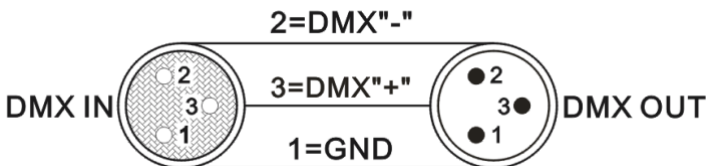
Power connection

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.

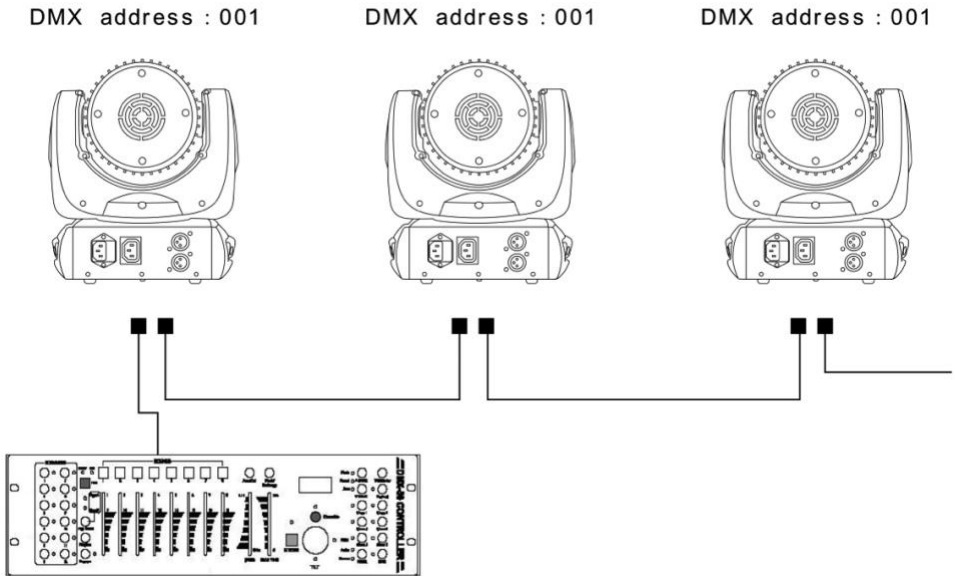


3. OPERATION

Menu Map

Dxxx	DMX Address	001-512
MAFA	Slow automatic mode	SLOU
	Fast automatic mode	FASt
	Master sound mode	MStS
	Stand-Alone Control	MStc
	Slave mode	SIAu
PAN	PAN normal mode	PAN
	PAN reverse mode	rPAN
TIL	TILT normal mode	TII
	TILT reverse mode	rTII
dIS	Normal display Mode	dIS
	Reversed display	rdIS
14CH	14 channels mode	14CH
	9 channels mode	9CH
PA54	Max pan rotation 540°	PA54
	Max pan rotation 360°	PA36
	Max pan rotation 180°	PA18
TI27	Max tilt rotation 270°	TI27
	Max tilt rotation 180°	TI18
	Max tilt rotation 90°	TI09
REST	Reset device	REST
LOAD	Load factory setting	LOAD

DMX daisy-chain example



Operating Instructions

Take note: All changes made to the unit become active and saved when pressing the “OK” button. Screen turn automatically off after 5 seconds of inactivity. The unit will then display the active running mode or the DMX address when DMX input is detected.

DMX Address Setup

- Press MENU, until “Dxxx” is displayed, then press ENTER
- Change the DMX address by pressing UP or DOWN
- Press ENTER to save the DMX address

Modes Selection

- Press MENU, then UP or DOWN until one of the following mode is displayed, then press ENTER
 - MASL / SLOU: Master automatic slow mode. The HeadBanger will play automatic sequences with slow movements.
 - MAFA / FAST: Master automatic fast mode. The HeadBanger will play automatic sequences with fast movements.
 - MStS: Master sound mode. The HeadBanger will play automatic sequences controlled by the ambient sound or music.
 - MStc: Machine Stand-alone Control. Second automatic mode to use the HeadBanger as stand-alone machine without any slaves in the daisy-chain
 - SIAu: Slave mode. This unit will follow the “Master” behavior of the daisy chain.
- Select your desired mode with UP or DOWN and press ENTER to confirm.

Tilt and pan reverse mode

- Press MENU, then UP or DOWN until “Pan” or “TIL” is displayed, then press ENTER.
- "rPan" or “rTIL”: The unit inverts the pan (horizontal) or tilt (vertical) movement (up becomes down and left becomes right)
- "Pan" or “TIL”: The unit's PAN movement is run normally.
- Press ENTER to confirm

Display Inversion

- Press MENU, then UP or DOWN until “DISP” or “rDIS” 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.

Channels modes

- Press MENU, then UP or DOWN until “14CH” or “9CH” is displayed, then press ENTER
- You can choose between 9 or 14 dmx channels modes using the UP or DOWN buttons, press ENTER to confirm.

9 Channels

Channel		function
1	0-255	Pan
2	0-255	Tilt
3	0-7	None
	8-134	Dimmer
	135-239	Strobe
	240-255	Full on
4	0-255	R
5	0-255	G
6	0-255	B
7	0-255	W
8	0-255	Movements Speed
9	150-200	Reset

14 Channels

Channel		Function
1	0-255	Pan
2	0-255	Pan fine
3	0-255	Tilt
4	0-255	Tilt fine
5	0-255	Movements speed
6	0-7	None
	8-134	Dimmer
	135-239	Strobe
	240-255	Full on
7	0-255	R
8	0-255	G
9	0-255	B
10	0-255	W
11	0-7	Color1
	8-21	Color2
	22-34	Color3
	35-49	Color4

	50-63	Color5
	64-77	Color6
	78-91	Color7
	92-105	Color8
	106-119	Color9
	120-134	Color10
	135-147	Color11
	148-161	Color12
	162-175	Color13
	176-189	Color14
	190-203	Color15
	204-217	Color16
	218-231	Color17
	232-255	Color Jump change
12	0-255	Speed
13	0-7	No function
	8-22	Auto 1
	23-37	Auto 2
	38-53	Auto 3
	54-67	Auto 4
	68-82	Auto 5
	83-97	Auto 6
	98-112	Auto 7
	113-127	Auto 8
	128-142	Sound 1
	143-157	Sound 2
	158-172	Sound 3
	173-187	Sound 4
	188-202	Sound 5
	203-217	Sound 6
	218-232	Sound 7
	233-255	Sound 8
14	150-255	Reset

Max PAN Rotation Setup

- Press MENU, then Up or DOWN until "PAxx" is displayed, then press ENTER
- You can reduce the maximum horizontal rotation range to 540° (PA54), 360° (PA36) or 180° (PA18) using the UP or DOWN buttons, press ENTER to confirm.

Max Tilt Rotation Setup

- Press MENU, then Up or DOWN until "Tlxx" is displayed, then press ENTER
- You can reduce the maximum vertical rotation range to 270° (TI27), 180° (TI18) or 90° (TI09) using the UP or DOWN buttons, press ENTER to confirm.

Reset

- Press MENU, then UP or DOWN until "REST" is displayed, then press ENTER
- The unit will reboot and perform a self-test program testing all the features individually.

Reset Factory Settings

- Press MENU, then UP or DOWN until "LOAD" is displayed, then press ENTER
- The unit will reboot and load factory settings.

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 unit 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 (2002/95/EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipment, such as: Mercury, Lead, Cadmium, Hexavalent Chromium, Polybrominated Biphenyl (PBB) and Polybrominated Diphenyl Ethers (PBDE).