

User Manual



HEADBANGERXT

SLI MHW HBXT

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This package contains

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1. BEFORE USAGE

This package contains

- 1x HeadBanger XT
- 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 five different operating modes: DMX control, sound active, automatic, manual setup 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 220° with 16bit control
- DMX channels: 9 or 12 DMX Channels
- Packing Dimensions: 275x230x255mm
- Net weight: 2,75 Kg

Features

- 3PIN XLR DMX in and out
- IEC power in
- Full manual setup from the display, can be set at static angle/color/intensity/etc...
- Dimmer for Automatic and Sound programs
- User-adjustable Pan/Tilt limiter limits the movement just to your audience
- 5 Control Modes: Master/Slave, DMX, Automatic, Sound, Manual Setup
- 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.

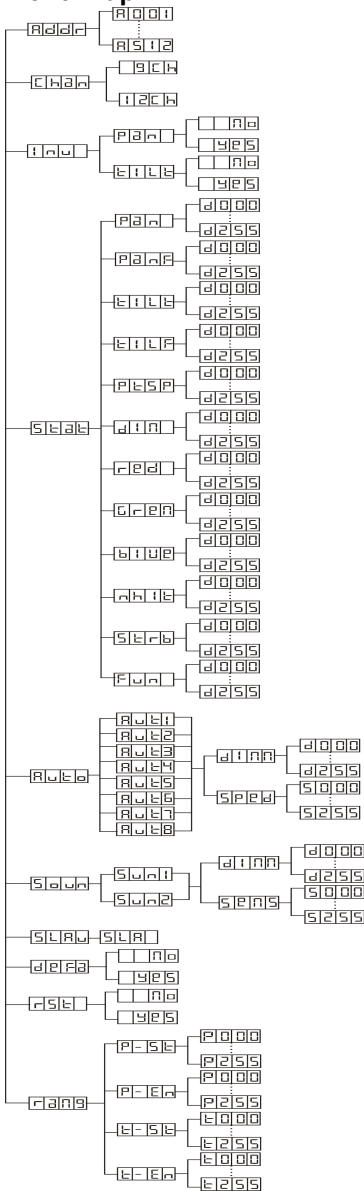
Color	Connection	PIN
Brown	AC live wire	1
Blue	AC zero curve	2
Green/Yellow	AC ground wire	3

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 Staggs 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.



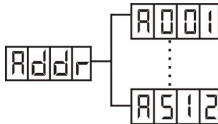
Menu Map



Operating Instructions

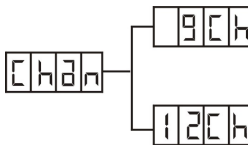
The Headbanger XT is completely set up through the front buttons and screen.

*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**. Alternatively you can also press "Enter" after you have changed a setting in the menu. This will store the value of that setting.*



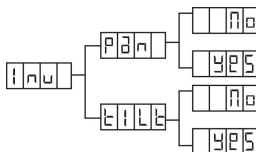
Addr - DMX Address Setup

- 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



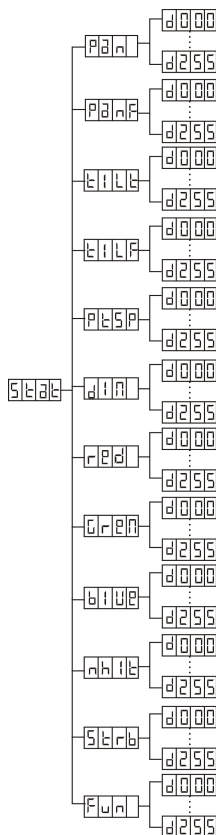
Chan - Channel Mode Setup

- Press MENU, then Up or DOWN until "Chan" is displayed, then press ENTER
- Select 9CH or 12CH channel mode by pressing UP or DOWN
- Press ENTER to save the Channel Mode



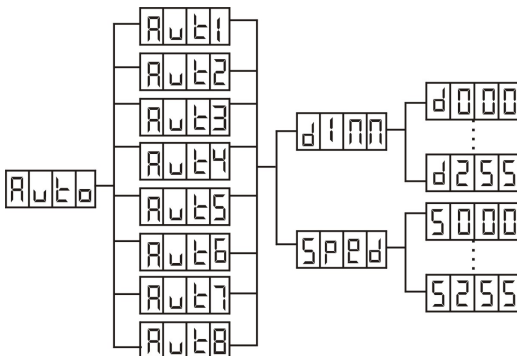
Inu - Pan/Tilt Inversion Setup

- Press MENU, then Up or DOWN until "Inu" is displayed, then press ENTER
- Select "Pan" or "tILt" by pressing UP or DOWN, then press ENTER to enter the selection menu.
- Press UP or DOWN to select "Yes" to activate inversion (all movements are reversed 180°) or "No" to deactivate inversion and use normal movements.
- Press ENTER to save the selection



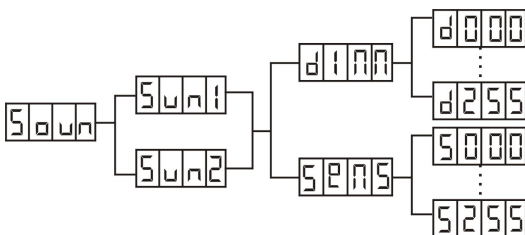
Stat - Static setup

- Press MENU, then Up or DOWN until "Stat" is displayed, then press ENTER
- The static mode allows you to manually set the HeadBanger XT up like you can do remotely with DMX, by allowing you to set the DMX channel parameters from the display and buttons.
- For Channel functionality, please refer to the 12 Channel Mode chart at the end of the user manual
- Select the Channel value you would like to adjust by pressing UP or DOWN, press enter to select the Channel, then adjust the value between 0 and 255 by pressing UP or DOWN. Press ENTER to confirm the value, then press MENU to return to the Channel selection.



Auto - Automatic Programs Setup

- Press MENU, then Up or DOWN until "Auto" is displayed, then press ENTER
- Press UP or DOWN to choose between "Aut1" to "Aut8" (programs 1 to 8), then press ENTER to confirm
- For each program, you can select the sub-menu's "dInn" and "Sped". "dInn" allows you to change the overall intensity of the automatic program by adjusting the global dimmer. "Sped" allows you to change the running speed of the program. Set both to the value of your choice and press ENTER to confirm.



Soun - Sound Active Programs setup

- Press MENU, then Up or DOWN until "Soun" is displayed, then press ENTER
- Press UP or DOWN to choose between "Soun1" and "Soun2" (programs 1 and 2), then press ENTER to confirm
- For each program, you can select the sub-menu's "dInn" and "SenS". "dInn" allows you to change the overall intensity of the automatic program by adjusting the global dimmer. "SenS" allows you to change the microphone sensitivity of the program. Set both to the value of your choice and press ENTER to confirm.

SLAV SLAV

SLAu - Slave Mode

- Press MENU, then Up or DOWN until "SLAV" is displayed, then press ENTER
- The display will show "SLA" and the HeadBanger XT is now in slave mode. In this mode, the light will listen to input on it's DMX in connector after being connected to another HeadBanger XT in Master Mode. Master mode is activated by using Automatic Program Mode, Sound Active Mode or Static Mode. After the master light it is possible to connect multiple Slaves, the maximum being dependent on the total length of DMX cable used.

deFa

No

YES

deFa - Factory Default Reset

- Press MENU, then Up or DOWN until "deFa" is displayed, then press ENTER
- Press UP or DOWN to select "YES" and then press ENTER. The HeadBanger XT will remove all user-modified values and reset back to factory values.

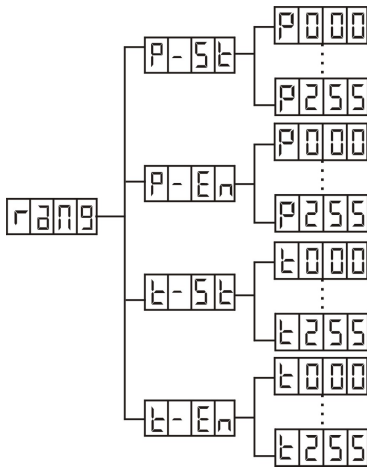
rSt

No

YES

rSt - Reset Sensors

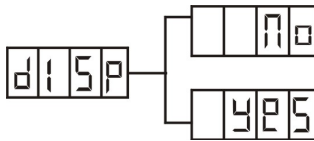
- Press MENU, then Up or DOWN until "rSt" is displayed, then press ENTER
- Press UP or DOWN to select "YES" and then press ENTER. The HeadBanger XT will run it's start-up reset cycle and reset all positions and sensors.



rang - Pan/Tilt range setup

A special feature on the HeadBanger XT is the ability to limit the movement range on both Pan & Tilt in automatic programs and sound active programs. By defining a start and a stop value, you can manually set the range wherein the pan/tilt movements will be executed without interfering with other functions. Combining the range setup and pan/tilt inversion allows you to create a very dynamic show with only using master/slave and built-in programs.

- Press MENU, then Up or DOWN until "rang" is displayed, then press ENTER
- Press UP or DOWN to choose between the menu items, press ENTER to enter the menu. Set a value between 0 and 255, the HeadBanger XT will move in real-time indicating what the chosen position for start and end points will be. Press ENTER to save the position value before exiting the menu by pressing MENU and repeating the process for the next value.



dISp - Display Inversion

- Press MENU, then Up or DOWN until "dISp" is displayed, then press ENTER
- Press UP or DOWN to select YES or NO, then press ENTER to confirm. When selecting YES, the display will be inverted by 180°, allowing you to read it when the HeadBanger XT is hung upside-down with the hanging bracket.

DMX 512 Control

This function allows you to use a universal DMX-512 controller such as the Stagg COMMANDOR 10 to control the HeadBanger XT, a DMX controller allows you to create unique programs tailored to your individual needs. The HeadBanger XT uses 9 and 12 DMX channel modes, this will allow you to create custom lightshows. Follow the instruction on the following DMX address charts.

DMX Channels: 12 Channel mode

Ch	Value	Function
1	0-255	PAN 0-540°
2	0-255	PAN 16 bit
3	0-255	Tilt 0-220°
4	0-255	Tilt 16 bit
5	0-255	Pan & Tilt Speed while moving (from fast to slow)
6	0-255	Dimmer 0-100%
7	0-255	Red 0-100%
8	0-255	Green 0-100%
9	0-255	Blue 0-100%
10	0-255	White 0-100%
11	0-9	No function
	10-225	Strobe 0-20HZ (from slow to fast) - No function
12	0-5	No function
	6-15	RED 100%, DIM GREEN UP FROM 0%
	16-25	GREEN 100%, DIM RED DOWN FROM
	26-35	GREEN 100%, DIM BLUE UP FROM 0%
	36-45	BLUE 100%, DIM GREEN DOWN FROM
	46-55	BLUE 100%, DIM RED UP FROM 0%
	56-65	RED 100%, DIM BLUE DOWN FROM
	66-75	RED 100%, DIM GREEN UP, DIM BLUE
	76-85	BLUE 100%, DIM RED DOWN, DIM
	86-95	RED 100%, GREEN 100%, BLUE 100%
	96-110	Auto 1 (from slow to fast)
	111-	Auto 2 (from slow to fast)
	126-	Auto 3 (from slow to fast)
	141-	Auto 4 (from slow to fast)
	156-	Auto 5 (from slow to fast)
	171-	Auto 6 (from slow to fast)
	186-	Auto 7 (from slow to fast)
	201-	Auto 8 (from slow to fast)
	216-	Sound 1 (Sensitivity from low to high)
	231-	Sound 2 (Sensitivity from low to high)
	246-	No function
	255	After 5 seconds at 255, HeadBanger XT will

DMX Channels: 9 Channel mode

Chan	Value	Function
1	0-255	PAN 0-540°
2	0-255	Tilt 0-220°
3	0-255	Dimmer 0-100%
4	0-255	Red 0-100%
5	0-255	Green 0-100%
6	0-255	Blue 0-100%
7	0-255	White 0-100%
8	0-9	No function
	10-225	Strobe 0-20HZ (from slow to fast)
9	0-5	No function
	6-15	RED 100%, DIM GREEN UP FROM 0%
	16-25	GREEN 100%, DIM RED DOWN FROM 100%
	26-35	GREEN 100%, DIM BLUE UP FROM 0%
	36-45	BLUE 100%, DIM GREEN DOWN FROM 100%
	46-55	BLUE 100%, DIM RED UP FROM 0%
	56-65	RED 100%, DIM BLUE DOWN FROM 100%
	66-75	RED 100%, DIM GREEN UP, DIM BLUE UP
	76-85	BLUE 100%, DIM RED DOWN, DIM GREEN DOWN
	86-95	RED 100%, GREEN 100%, BLUE 100%
	96-110	Auto 1 (from slow to fast)
	111-125	Auto 2 (from slow to fast)
	126-140	Auto 3 (from slow to fast)
	141-155	Auto 4 (from slow to fast)
	156-170	Auto 5 (from slow to fast)
	171-185	Auto 6 (from slow to fast)
	186-200	Auto 7 (from slow to fast)
	201-215	Auto 8 (from slow to fast)
	216-230	Sound 1 (Sensitivity from low to high)
	231-245	Sound 2 (Sensitivity from low to high)
	246-254	No function
	255	After 5 seconds at 255, HeadBanger XT will reset

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

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