INVOLIGHT

Bedienungsanleitung

User manual

LED MH78W

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Table of contents

Every person involved with installation. operation and maintenance of this fixture has to

- be qualified
- follow the instruction of this manual
- consider this manual to be part of the total product
- Keep this manual for the entire service life of the product
- pass this manual to every future owner or use of the product

INTRODUCTION

Thank you for choosing our fixture, if you follow up the instruction given in this manual we be sure that you will enjoy this product for a long period of time

SAFETY INSTRUCTION

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 instruction and warning notes written in this user manual.

Important: Damages caused by the disregard of this user manual are not subject o warranty, the dealer will not accept liability for any resulting defects of problem. If the device had been exposed to drastic temperature fluctuation (e.g. after transportation),do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it had reached room temperature. Please make sure that there are no obvious transport damages, should you notice any damages on the AC connection cable or on the casing, do not take the device into operation and immediately consult your local dealer.

The device falls under protection-class. The power plug must only be plugged into a protection class I outlet. The voltage and frequency must exactly be the same as stated on the device. Wrong voltages or power outlets can lead to the destruction of the device and mortal electrical shock.Always plug in the power plug last. The power plug must always be inserted without force .Make sure that the plug is tightly connected with the outlet.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution! Never touch them with wet hands .as this could lead

to mortal electrical shock. Never modify, bend, strain mechanically, put pressure on, pull or heat up the power cord. Never operate next to sources of heat or cold. Disregard can lead to power cord damages, fire or mortal electrical shock. The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to mortal electrical shock. Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.If extension cords are used, make sure that the core diameter is sufficient for the required power consumption of the device. All warnings concerning the power cords are also valid for possible extension cords.

DESCRIPTION OF THE DEVICE
Features
> 8/13 channel DMX-512 .
> Pan :540°/tilt:180° .
> Variable electronic strobe.
> Variable electronic dimmer(0-100%).
> LED display menu with invert.
> Reset to factory settings option.
> Pan/tilt invert option.
> Fan cooled.

INSTALLATION
Rigging
The installation of the projector has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
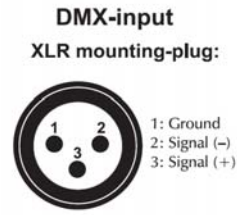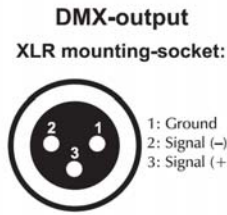
IMPORTANT!OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE, including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property. The projector had to be installed out of the reach of people

DANGER OF FIRE! When installing the device, make sure there is no highly-inflammable material(decoration articles, etc.)within a distance of min.0.5m.

DMX 512 connection/ connection between fixture

The wires must not come into contact with each other, otherwise the fixture will not work at all or properly. Please note the starting address depends upon which controller is being used. Only use a DMX cable and 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture to another

Occupation of the XLR-connection:

DMX-output	DMX-input
XLR mounting-socket:	XLR mounting-plug:

1: Ground
2: Signal (–)
3: Signal (+)

1: Ground
2: Signal (–)
3: Signal (+)

Connection with the mains.

The occupation of the connection-cables is as follows:

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/Green	Earth	⏚

The earth has to be connected. The device must only be connected with an electric installation carried out in compliance with IEC standards.

OPERATION

After you connected the effect to the mains, The fixture starts running

Stand Alone operation

In the stand alone mode, the fixture can be use without controller

Master/slave-operation

The master/slave-operation enables that several devices can be synchronized and controlled by one master-device

DMX controlled operation

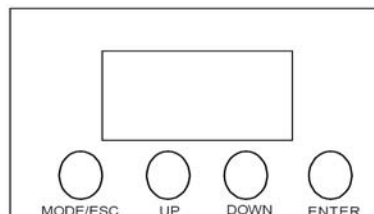You can control the projectors individually via your DMX-controller

Addressing

The control board allows you to assign the DMX starting address,

Note;it's necessary to insert the XLR termination plug (with 120ohm) in the last device in the link in order to ensure proper transmission on the DMX data link.

CONTROL BOARD

The control board offer several features :you can simple set the starting address, run the pre-programmed program or make a reset

MODE/ESC   UP   DOWN   ENTER

the main menu is accessed by pressing the Mode/Esc-button, Browse through the submenu by pressing Up or Down .Press the Enter-button in order to select the desired menu. You can change the selection by pressing Up or Down, Confirm every selection by pressing the Enter-button. You can leave every mode by pressing the Mode/Esc-button .The functions provided are described in the following setting.

MENU MAP

The device has two operation modes, It can be operated in Stand Alone or in DMX controlled

d001   001-512 DMX mode and set address
MAFA   FASt   Master auto mode in fast
       MStS   Master sound mode
       MStc   Stand-alone mode
       SlAu   Slave mode
       MASL-SLOU Master atuo mode in slowly
PAn   PAn/rPAn   Pan reverse
TiL   TiL/rTiL   Tilt reverse
diS   diS/rdiS   display reverse
13ch   13/8ch   13/8channel mode
PA54   PA54/36/18 Pan movement angle select 540^0 360^0 180^0
Ti27   18/09   Titl movement angle select 180^0 90^0
REST   rest
LOAD   Default setting

Note：output default setting address code is A001，pan is positive circumrotate、tilt is positive circumrotate、LED positively reveal.

DMX-protocol

13 DMX channel mode

Channel	Value	Function
1	0-255	**Pan** Pan movement 0~630
2	0-255	**Pan Fine** Pan fine
3	0-255	**Tilt** Tilt movement 0~180
4	0-255	**Tilt Fine** Pan fine
5	0-255	**Pan/Tilt Speed** Adjust pan/tilt speed
6	0-7 8-134 135-239 240-255	**Dimmer and Strobe** No function 0-100% Dimmer Strobe from slowly to fast Open
7	0-255	**Red** 0-100% Red
8	0-255	**Green** 0-100% Green

Channel	Value	Function
9	0-255	**Blue** 0-100% Blue
10	0-255	**White** 0-100% White
11	0-9 10-255	**Mix color** No function 32 different color change
12	0-255	**Mix color speed** Mix color speed adjustment
13	0-255	**Auto program** Auto program

8 DMX channel mode

Channel	Value	Function
1	0-255	**Pan** Pan movement 0~630
2	0-255	**Tilt** Tilt movement 0~180
3	0-7 8-134 135-239 240-255	**Dimmer and Strobe** No function 0-100% Dimmer Strobe from slowly to fast Open
4	0-255	**Red** 0-100% Red
5	0-255	**Green** 0-100% Green
6	0-255	**Blue** 0-100% Blue
7	0-255	**White** 0-100% White
8	0-255	**Pan/Tilt Speed** Adjust pan/tilt speed

TECHNICIAL SPECIFICATIONS

Model	LED MH78W
Voltage	110V- 250V / 50-60Hz
Power consumption:	85W
LED	7pcs 8w RGBW Quad LEDs
Gross Weight	3.5Kgs
Dimensions	28(H) x 22(W) x 27(L) mm

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