MEGA LITE

outshine WW100

USER MANUAL

Table of Contents

Check that the unit has not been damaged during transport

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Read all cautions and warnings prior to operation of this equipment

Protection Against Fire

Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured
6. Maximum surface operating temperature 140º.

Protection Against Fire

Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)

Protection Against Mechanical Hazards

Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Technical Information

Part Numbers

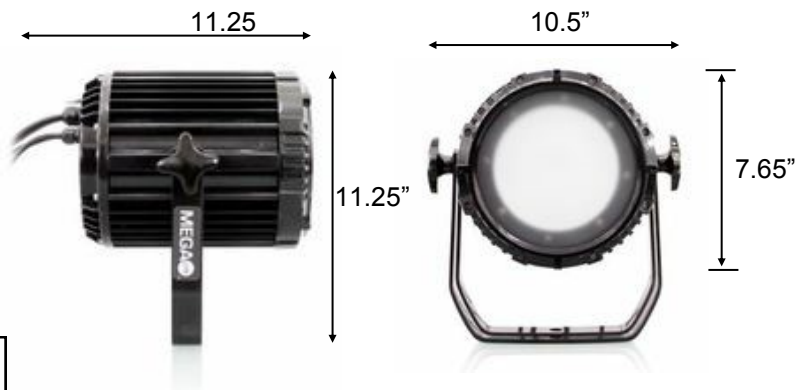**7202– Outshine WW100**

Mechanical Specifications

DMX Connectors: Neutrik X-HD Series 3 or 5 pin IP 65 Rated XLR connectors in and out

Thermal: Maximum ambient temperature 104° Maximum surface temperature 140°

Fastening System: Double Mounting Yoke

Display: Digital

Power connection: Cable Adapter Mounted Nema 5-15 to Neutrik True Power Out NAC3FX-W / Fixture Cable mounted In and Out Neutrik IP 65 NAC3FX-W & NAC3MX-W

11.25

10.5"

11.25"

7.65"

Fixture	Packaging
Size: 11.25" x 11.25" x 10.5" Weight: 13lb	Size: 10" x 10" x 15" Weight: 15lb

Electrical Specifications

LED Quantity: 1 Warm White COB LED

LED Watts: 100W

LED Lifetime: 60 to 100 thousand hours

Beam Angle: 52°

Field Angle: 118°

CRI: 97

Refresh Rate: 1200 Hz

Power Input Voltage: 110V-240 50/60 Hz

Ballast: Electronic auto switching

Power Consumption: Watts: 69 / Amps: .72

Control & Programming

DMX 512 Protocol

DMX Modes:

Mode A	1 Channels	On/Off
Mode P	1 Channels	Dimmer
Mode H	2 Channels	Dimmer, Strobe

Control Options: Display preset setting

Ordering Options

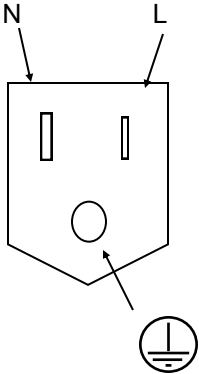| Item Number		LED Color		Lens Angle		Fixture Color		DMX In/Out	
7200	T 100	RGB	Red ,Green, Blue	35	35°	BLK	Black	3	Neutrik IP 65 3 pin in and out
7201	VW 100	VW	Variable White	52	52°	WHI	White	5	Neutrik IP 65 5 pin in and out
7202	WW 100	WW	Warm White			XXXX	Custom		
7203	CW 100	CW	Cool White						

Main Power Connection

Caution!
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to 60Hz

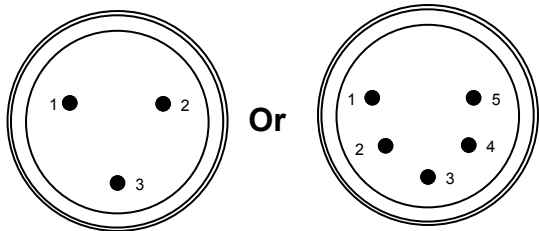| Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

Unit is equipped with cable mounted Neutrik Power Connections Female NAC3FX-W & Male NAC3MX-W:

Unit also ships with a Male Nema 5-15 to Female NAC3FX-W adaptor:
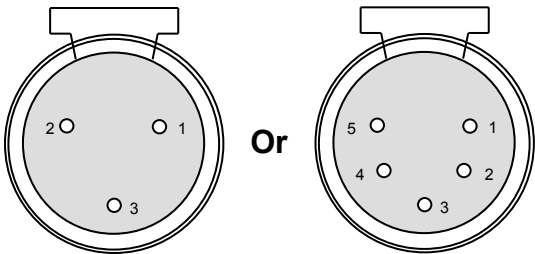
DMX-512 Connection

The fixture is equipped with 3 or 5 pin cable mounted XLR for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input   **DMX—output**

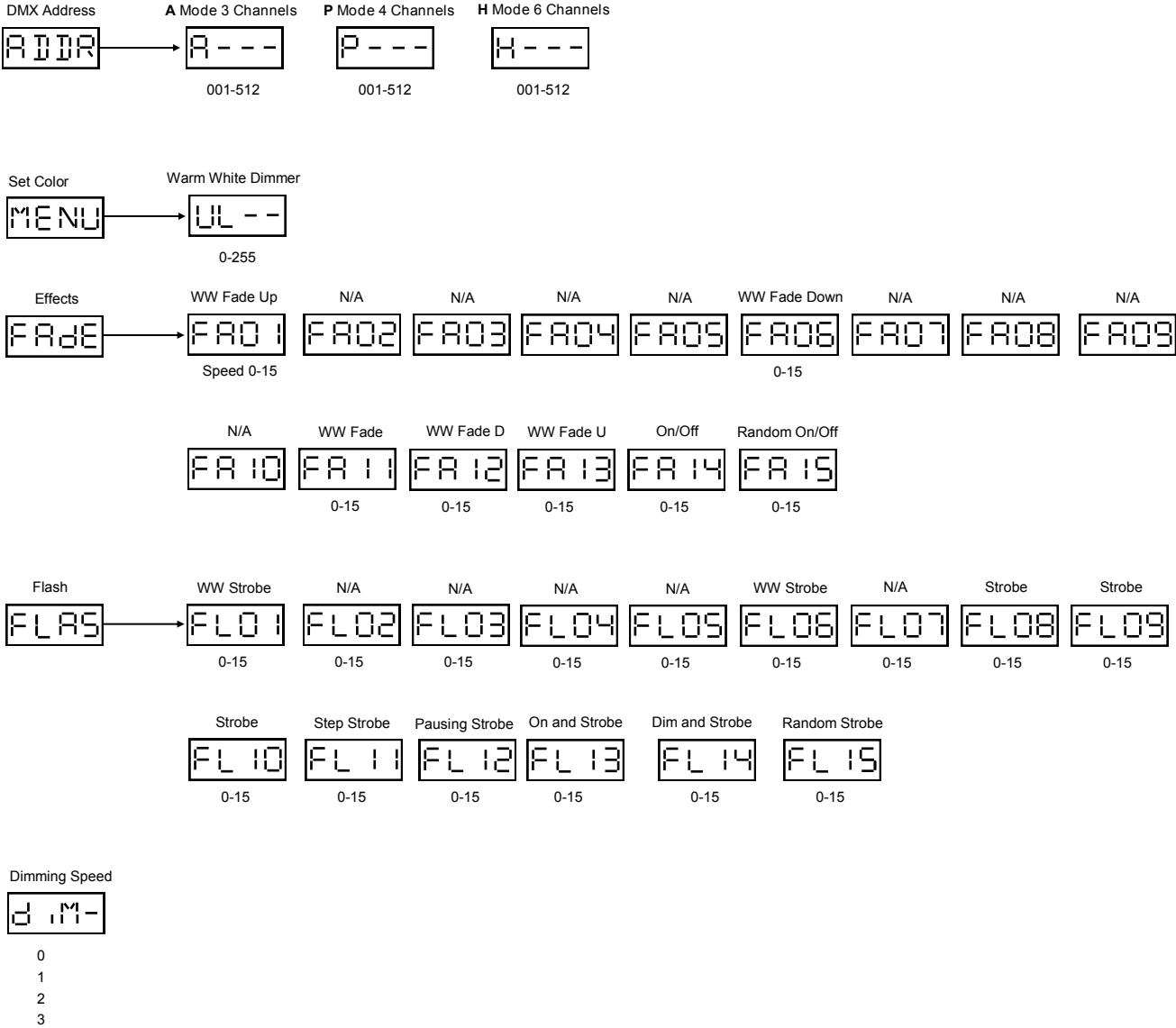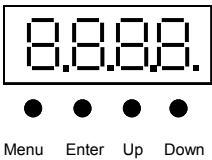|	
1.	Shield
2.	Signal (-)
3.	Signal (+)
4.	N/A
5.	N/A

Or

Or

Caution!
At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (P-DMXT).
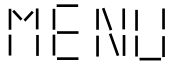
Display Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.
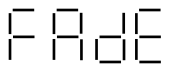
DMX Address

`ADDR` → **A** Mode 3 Channels `A - - -` (001-512) | **P** Mode 4 Channels `P - - -` (001-512) | **H** Mode 6 Channels `H - - -` (001-512)

Set Color

`MENU` → Warm White Dimmer `UL - -` (0-255)

Effects

`FAdE` →

WW Fade Up	N/A	N/A	N/A	N/A	WW Fade Down	N/A	N/A	N/A
`FA01`	`FA02`	`FA03`	`FA04`	`FA05`	`FA06`	`FA07`	`FA08`	`FA09`
Speed 0-15					0-15			

N/A	WW Fade	WW Fade D	WW Fade U	On/Off	Random On/Off
`FA10`	`FA11`	`FA12`	`FA13`	`FA14`	`FA15`
	0-15	0-15	0-15	0-15	0-15

Flash

`FLAS` →

WW Strobe	N/A	N/A	N/A	N/A	WW Strobe	N/A	Strobe	Strobe
`FL01`	`FL02`	`FL03`	`FL04`	`FL05`	`FL06`	`FL07`	`FL08`	`FL09`
0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15

Strobe	Step Strobe	Pausing Strobe	On and Strobe	Dim and Strobe	Random Strobe
`FL10`	`FL11`	`FL12`	`FL13`	`FL14`	`FL15`
0-15	0-15	0-15	0-15	0-15	0-15

Dimming Speed

`dIM-`

0
1
2
3

ADDR **DMX Address**

Press **Enter** to select the DMX start address channel. The first display will let you know what operation mode you are in. Use the **up/down** keys to select the desired mode. Press **Enter** to confirm. (first Letter will also change depending on what mode you are in) Use the **up/down** keys to select the desired start address press **Enter** to confirm

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MENU **Set Color Menu**

Press **Enter** to set a Dim via display control. . Use the **up/down** keys to select the desired intensity you would like to adjust. Press **Enter** to confirm. Use the **up/down** keys to select the desired intensity of the LED. Press **Enter** to confirm.
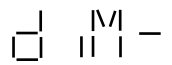

FADE **Fade**

This function allows you to select a preprogrammed fade sequences. Press **Enter** use the **up/down** keys to select desired fade program (15 options). Press **Enter** to set the desired sped use the **up/down** keys (15 options). Press **Enter** to confirm the settings.

FLAS **Flash**

This function allows you to select a preprogrammed strobe sequences. Press **Enter** use the **up/down** keys to select desired strobe program (15 options). Press **Enter** to set the desired sped use the **up/down** keys (15 options). Press **Enter** to confirm the settings.

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dIM **Dimming Speed**

Press **Enter** to select the desired dimming speed when used with a DMX controler. Use the **up/down** keys to select from 0 to 3. 0 speed will be the fastest 4 will be the slowest. Press **Enter** to confirm.

Outshine WW 100 Mode A

DMX Chanel	Function	Description	Value
1	On/Off	LED Off	0-127
		LED On	128-255

Outshine WW 100 Mode P

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255

Outshine WW 100 Mode H

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255

Rigging the fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the fixture has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every year.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating.

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

7202-MPCB	Main PCB card
7202-PS	Power Supply
7200-DIS	Display
FUS-20GLASS	Diffusion Filter Glass
7200-35	35 degree lens
7200-KNOB	Knob Set
7202-LED	LED Replacement

Accessory

7200-BD	Barn Door
CAB-POW-TP	Nema 5-15 to Neutrik True Female

Warranty Information

Warranty Conditions
-Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.

-LEDs are not guaranteed to match in color temperature or output.

-It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

-Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice and Return Authorization Number given by MSI.

-Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.

-Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, weather in contract, tort (including negligence), strict liability or otherwise, and weather or not such damage was foreseen or unforeseen.

- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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