MEGALITE

outshine T54

USER MANUAL

Table of Contents

Check that the unit has not been damaged during transport

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 Electrical Shock

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)
4. This unit is IP 65 rated (do not submerge unit into water)

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

7221– Outshine T54

Mechanical Specifications

DMX Connectors: Neutrik 3 pin XLR NC3FXX-HD-D and NC3MXX-HD-D
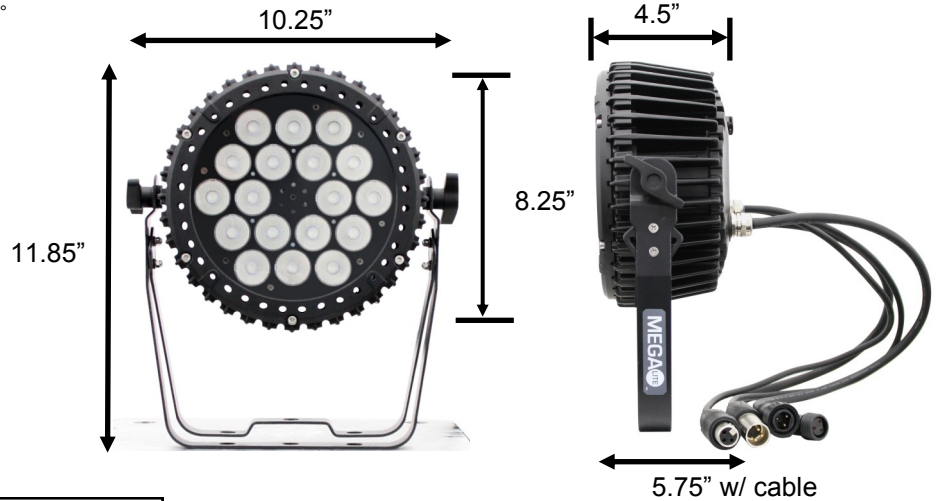IP 67 connectors in and out

Power connection: Nema 5-15

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

Fastening System: Dual Yoke

Display: Digital

Lens Angle: 16º

10.25"

4.5"

8.25"

11.85"

5.75" w/ cable

Fixture	Packaging
Size: 10.25" x 11.85" x 5.75"	Size: 13.5" x 11.25" x 7.5"
Weight: 7lb	Weight: 8.75lb

Electrical Specifications

LED Quantity: 18 Tri Color LED's Red, Green, Blue

LED Watts: 3W

LED Lifetime: 40 to 80 thousand hours average

Refresh Rate: 6000 Hz

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

Ballast: Electronic auto switching

Power Consumption: Watts: 57
Amps: .75

Control & Programming

Protocol: DMX 512

DMX Modes: Mode 3 Channels   R,G,B
Mode 4 Channels   Dimmer, R,G,B
Mode 6 Channels   Dimmer, R,G,B, Strobe, Macro

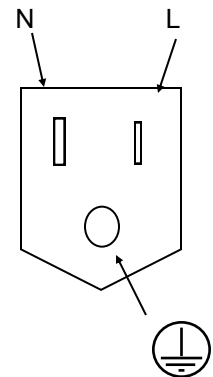**Control Options:**   Display preset setting

Main Power Connection

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	⏚	⏚

DMX-512 Connection

The fixture is equipped with Neutrik NC3FXX-HD and NC3MXX-HD IP 67 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input
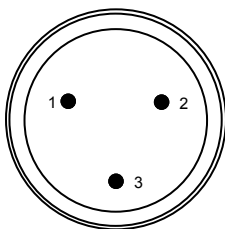
DMX—output

1. Shield
2. Signal (-)
3. Signal (+)

Display Menu

CONTROL BOARD

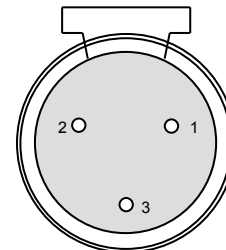| DMX Ad-	DMX Mode	Red Dim-	Green Dim-	Blue Dimmer	Fade	Fade	Dim Rate
`Addr`	`CHnd`	`rL--`	`9L--`	`bL--`	`FLAS`	`FAdE`	`d m-`
1-512	3-Ch	0-255	0-255	0-255	00-15	00-15	0-3
	4-Ch						
	6-Ch						

`8888`

● ● ● ●

Mode   Up   Down   Enter

Press **Mode** to select the display options

`Addr` DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

`CHnd` DMX Mode

This function allows you to select the mode in witch you want to control the Arc 90. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Set Up** to confirm the settings.

3 CH	Red, Green, Blue
4 CH	Dimmer, Red, Green, Blue
6 CH	Dimmer, Red, Green, Blue, Strobe, Macro

`rL--` Red Dimmer

This function allows you to dim up or down the red LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Set Up** to confirm the settings.

`9L--` Green Dimmer

This function allows you to dim up or down the green LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Set Up** to confirm the settings.

`bL--` Blue Dimmer

This function allows you to dim up or down the blue LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Set Up** to confirm the settings.

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FLAS
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 Flash

This function allows you to strobe the LED's. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings.

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FADE
```
 Fade Scroll

This function allows you to fade the LED's from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

```
dIM-
```
 Dimming Speed

Press **Enter** to select the desired dimming speed. Use the **up/down** keys to select desired dimming fade speed settings from 0 to 3. Zero speed will be the fastest. Press **Enter** to confirm the settings.

3Ch

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

4Ch

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

6Ch

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
6	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
		White Pulse	230-249
		White LED Full	250-255

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.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

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 M**aintenance:** 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

7221-LED	Replacement LED
7221-MPCB	Main PCB card
7221-PS	Power Supply
7221-DIS	Display
7221-LEDMOD	LED Module
7221-FG	Frontal Glass
7220-KN	Knob Set

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.

MEGA LITE ™

Mega-Lite
5718 Kenwick St
San Antonio, TX 78238
Ph 210-684-2600 Fax 210-855-6279
www.mega-lite.com / info@mega-lite.com