MEGA LITE

PICCOLO BLINDER 120

USER MANUAL

Table of Contents

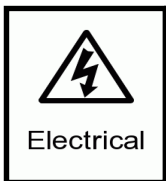# Check that the unit has not been damaged during transport

Read all cautions and warnings
prior to operation of this
equipment

Protection Against Fire

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 Fire

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 fixture must not be left on for long periods of time.

Protection Against Mechanical Hazards

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.

Ingress Protection

The IP rating is commonly expressed as **IP (I**ngress **P**rotection) is followed by 2 numbers (i.e. 65) where the numbers define the fixture rating. The first number indicates the size of a particle that can enter the fixture.. The second number indicates the extent of protection against water entering the fixture. An IP65 rating in this fixture indicates that dust particles can not enter the fixture. And there is protection against powerful water spray from entering the fixture from any direction.
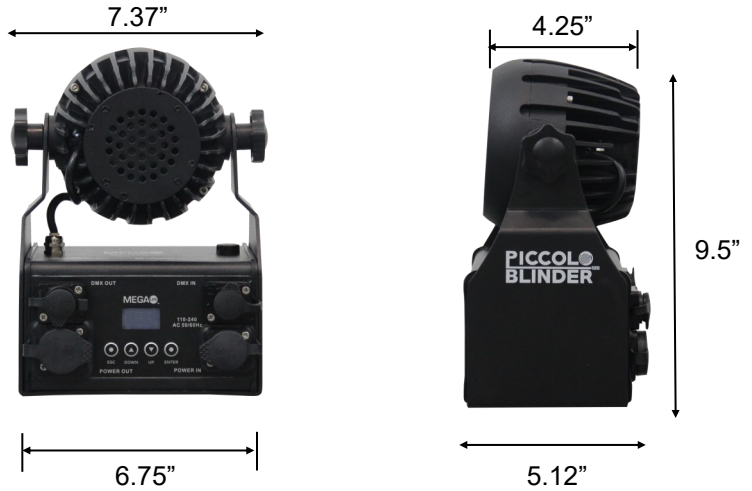
Technical Information

Part Numbers

1306-Piccolo Blinder

Mechanical Specifications

Power Connection:	Twist Type with Nema 5/15 adapter
IP Rating:	IP 65
DMX Connection:	Seetronic IP 65 XLR 3 pin in / out panel mount
Power Connection:	Seetronic IP 65 twist in / out panel mount
Fastening System:	Quick Release clamp mount
Thermal:	Maximum ambient temperature 104° Maximum surface temperature 140°

Fixture	Packaged
Size: 7.37" x 5.12" x 9.5" Weight: 8.25 lb	Size: 15.5" X 7.5" X 11.5" Weight: 10 lb

7.37"
4.25"
9.5"
6.75"
5.12"

Electrical Specifications

LED Quantity:	1	**LED Angle:**	60°
LED Watt:	120	**Power Input Voltage:**	110V-240 50/60 Hz
Color Type:	Warm White	**Power Consumption**	Watts: 97 Amps: 1.32
LED Lifetime:	*50 to 80 thousand hours Average		

Control & Programming

DMX 512 Protocol

DMX Modes:	Mode 1 Channel Dimmer Mode 2 Channel Dimmer, Strobe Mode 5 Channel Dimmer, Dimmer Fine, Strobe, Macro, Dim Curve
Control Options:	Built in Control via display

Photometrics

Photometrics at 10Ft

CCT	**3073 K**
CRI	**71.9**
Lux	**1727.3**

* Average expected LED life per LED manufacture

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)
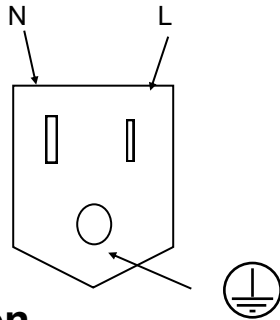4. Replace fuse only with the specified type and rating.

This fixture has power in and out via Seetronic Ip65 UL listed twist power connections rated at 16Amps. Do not exceed 12 of this type units connected on a single line.

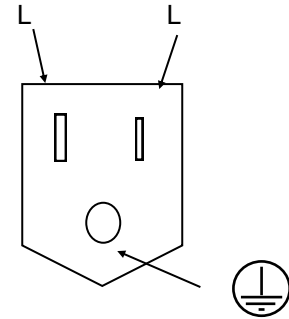The occupation of the connection-cable is as follows:

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

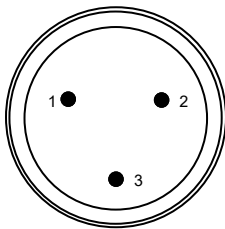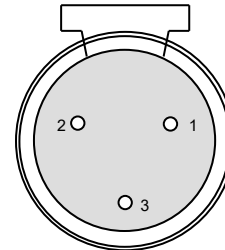| Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground	⏚	⏚

DMX-512 Connection

The fixture is equipped with 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 outdoor XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input   **DMX—output**

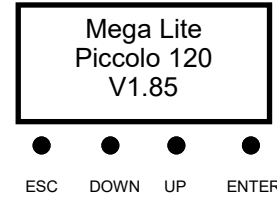| 1. Shield |
|---|
| 2. Signal (-) |
| 3. Signal (+) |

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 (HOS-DMXT).

Display Menu

The control board on the fixture 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.

```
Mega Lite
Piccolo 120
V1.85
```

●   ●   ●   ●

ESC   DOWN   UP   ENTER

```
Address
001

        DMX On
```

DMX Address

Press **Enter** to select the DMX start channel. Use the **up/down** keys (001 to 512) , Press **Enter** to confirm the setting. Press **ESC** to return to Main Menu.

(Notes: Display must be on Main Menu for fixture to operate on DMX Mode)

```
Main Menu
>Channel Mode
Led Dimmer
Led Strobe
```

Channel Mode

Press **Enter** to select the DMX Channel mode of operation. Use the **up/down** keys to select Channel mode from

Mode 1 Dimmer
Mode 2 Dimmer, Strobe
Mode 5 Dimmer, Dimmer Fine, Strobe, Macro, Dim Curve

Press **Enter** to confirm the setting. Press **ESC** to return to Main Menu.

```
Main Menu
Channel Mode
>Led Dimmer
Led Strobe
```

LED Dimmer

For LED Dimmer control press **Enter.** Select from 255 steps. Press **ESC** to return to Main Menu.

(Notes: If you want to have fixture remain on LED Dimmer do not press ESC and just power off and on fixture to return to last setting. / LED Strobe must also be engaged.)

```
Main Menu
Channel Mode
>Led Dimmer
>Led Strobe
```

LED Strobe

For LED Strobe control press **Enter.** Select from 255 steps. Press **ESC** to return to Main Menu.

(Notes: If you want to have fixture remain on LED Strobe do not press ESC and just power off and on fixture to return to last setting. / LED Dimmer must also be engaged.)

```
Main Menu
>Auto Mode
Dimmer Speed
Temperature
```

Auto Mode

Press **Enter.** Select from 3 modes Press **ESC** to return to Main Menu.

(Note: If you want to have fixture remain on Auto Test do not press ESC and just power off and on fixture to return to last setting)

<table>
<tr><td>

Main Menu
Auto Mode
>Dimmer Speed
Temperature

</td><td>

Dimmer Speed

For LED Dimmer control press **Enter.** Select from 255 steps. Press **ESC** to return to Main Menu.

(Note: If you want to have fixture remain on LED Dimmer do not press ESC and just power off and on fixture to return to last setting)

</td></tr>
</table>

<table>
<tr><td>

Main Menu
Auto Mode
Dimmer Speed
>Temperature

</td><td>

Temperature

This fixture is equipped with internal temperature sensors. Once head reaches a temperature of 96°the IP rated fan will engage

</td></tr>
</table>

Main Menu
Dimmer Speed
Temperature
>Setting

Setting

Setting Control Options

Config Menu
>LCD Back Light
DMX Fail
Dimmer Setting

To turn off LCD Screen after 2 minutes of no use select **Disable**. To enable screen to remain on when in use select **Enable**.

Config Menu
LCD Back Light
>DMX Fail
Dimmer Setting

To hold the last DMX command is case of DMX Signal loss select **Enable**. To have the fixture DMX Setting at 0 if DMX signal is loss use **Disable** option.

Config Menu
LCD Back Light
DMX Fail
>Dimmer Setting

Select Dimmer Setting to be used for dimming type when used in Ch1 mode.

Linear
Square Law
Inv. Square Law
S Type

Config Menu
DMX Fail
Dimmer Setting
>Factory Reset

Restore fixture to original factory display settings

Piccolo 120 1CH Mode

DMX Chanel	Function	Description	Value	Init
1	Dimmer	Warm White LED intensity	0-255	255

Piccolo 120 2CH Mode

DMX Chanel	Function	Description	Value	Init
1	Dimmer	Dimmer	0-255	255
2	Strobe	No Function	0-5	0
		Strobe (slow to fast)	6-196	
		Random Strobe (slow to fast)	197-255	

Piccolo 120 5CH Mode

DMX Chanel	Function	Description	Value	Init
1	Dimmer	Dimmer Off to Full	0-255	255
2	Dimmer Fine	Dimmer Fine	0-255	0
3	Strobe	No Function	0-5	0
		Strobe (slow to fast)	6-196	
		Random Strobe (slow to fast)	197-255	
4	Macro	No Function	0-10	0
		Auto 1 (slow to fast)	11-80	
		Auto 2 (slow to fast)	81-160	
		Auto 3 (slow to fast)	161-240	
		No Function	241-255	
5	Dimmer Speed	No Function	0-1	0
		Dimming Speed (fast to slow)	2-254	
		Tungsten Effect	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 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

1305-COV	Mesh Cover
1305-GLA	Glass lens
1305-PS	Power Supply
1305-FAN	IP Rated FAN
1305-DIS	Display Main PCB
1305-DRI	LED Driver
1305-LED	LED
1305-KNO	Knob
1305-QR	Quick Release Clamp Mount
1305-LED	LED

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.

-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.

Customer Support

Mega Lite has a customer support line to provide set up help and to answer any question should you encounter a problem. Please visit our website for any other related technical documents. For service related issue please contact our service dept.

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