



USER MANUAL

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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 away from unit movement.
6. Maximum surface operating temperature 114°.

Protection Against Fire



Electrical

1. Disconnect power before lamp replacement or servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Unit is IP rated 44 (do not expose unit to high pressure water or submerge fixture).

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 risk of electrical shock.

Specifications

Part Numbers

Fixture

1301-O Blinder 400

Flight Case

1301-RC4 Quad Road Case

Mechanical Specifications

DMX Connectors: 3-pin weathered XLR connectors

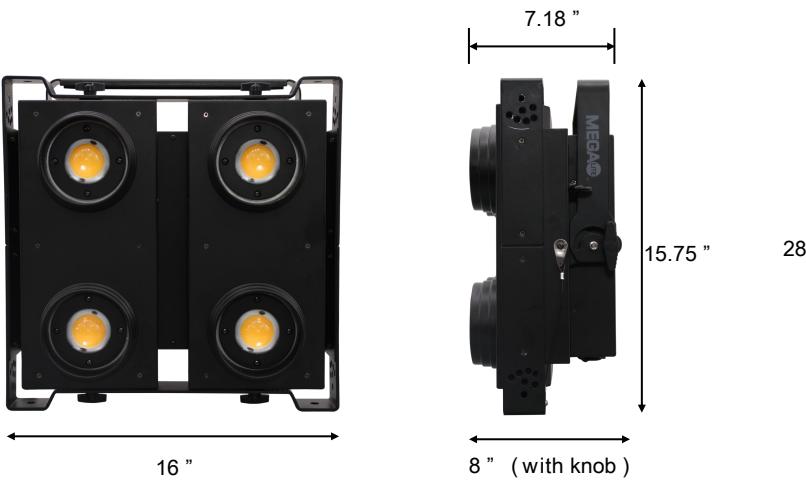
Power Connectors: True power type panel mount in and out (True power type to Nema 5-15 cable adapter included)

Thermal: Maximum ambient temperature 114° F
Maximum surface temperature 160° F

Fastening System: Single mounting yoke. Hanging array mounting included

Ip Rated: Ip44

Pan Angel: 20°



Fixture	Packaged for Shipping
Size: 16" x 15.75" x 8"	Size: 20.25" x 20.25" x 10"
Weight: 30 lb	Weight: 35 lb

Electrical Specifications

Power supply:	Auto Switch 90V-250V 50/60 HZ
Color Temp:	3200K-3500K
Power consumption:	Amps 3.70 Watts 440
Ballast:	Electronic
LAMP:	4X 100W LED
Color Temp:	4000K
Protocol:	DMX 512
Display:	Blue LED Display
Operating Mode:	3 Mode Operation Mode 1 1 Channel Dimmer Mode 2 4 Channel Dimmer 1, Dimmer 2, Dimmer 3, Dimmer 4 Mode 3 8 Channel Dimmer, Dimmer 1, Dimmer 2, Dimmer 3, Dimmer 4, Strobe, Macro, Dim Speed

Main Power Connection

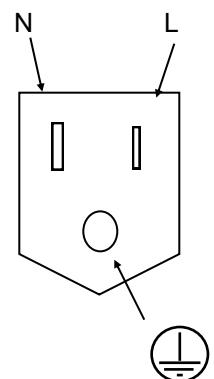
Caution!

1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.

This device is equipped with a auto switching power supply that will allow you to work from 90V-250V 50/60Hz

The occupation of the connection-cable is as follows:

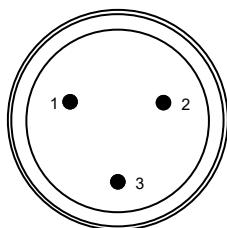
Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		



DMX-512 Connection

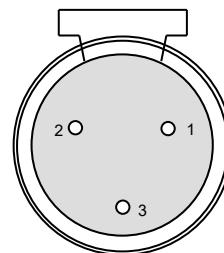
The fixture is equipped with 3 pin XLR panel mounts for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



DMX—output

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



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-DMX-T).

DMX Signal Indicator

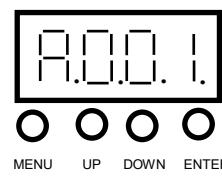
The fixture is equipped with a DMX Signal indicator. When DMX signal is present the first dot will turn on. When DMX signal is not present DMX signal will flash.



Main Control

The control board on the

DMX Address	Channel Mode	Dimmer 1	Dimmer 2	Dimmer 3	Dimmer 4	Flash	Fade Scroll	Dimmer Speed
Addr	Ch --	1L --	2L --	3L --	4L --	FLAS	FADE	din-
1-512	1 4 8	0-255	0-255	0-255	0-255	0-15	0-10	1-4



R00 | DMX Address

Press **Enter** to select the 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 start address. Press **Enter** to confirm.

Ch -- Channel Mode

Press **Enter** to select the fixture Channel Mode. Use the **up/down** keys to select the desired operating mode 1CH, 4CH or 8CH. Press **Enter** to confirm.

1L -- Dimmer 1

This function allows you to dim the 1st LED . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

2L -- Dimmer 2

This function allows you to dim the 2nd LED. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

3L -- Dimmer 3

This function allows you to dim the 3rd LED. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

4L -- Dimmer 4

This function allows you to dim the 4th LED. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

FLAS Flash

This function allows you to strobe the LED's on the whole fixture. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings. (15 Steps)

F A D E Fade Scroll

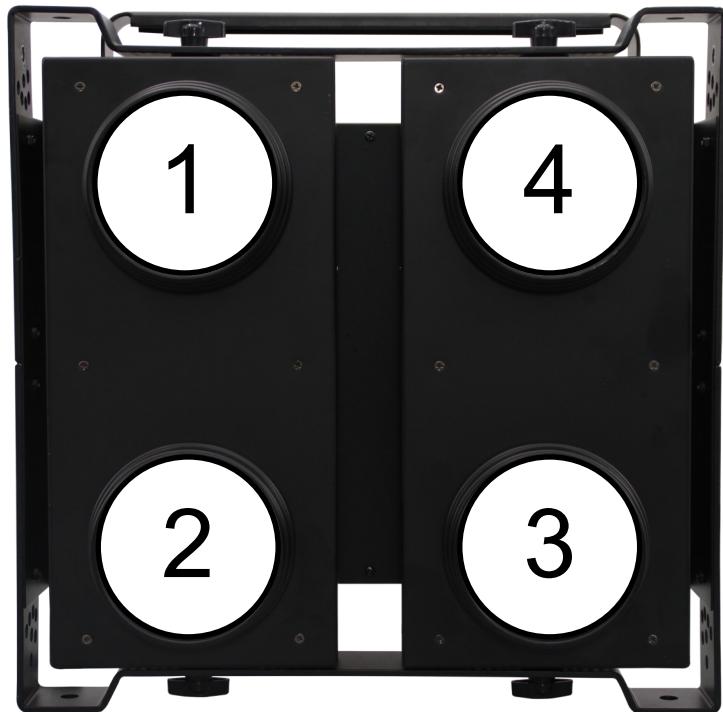
This function allows you to fade the LED's on the whole module from one pre program to another. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings. (10 Steps)

D Dimmer Speed

This function allows you to adjust fade speeds for the LED's. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings. (4 Steps)

1. No Delay dimming
2. Nonlinear dimming Curve Fastest
3. Nonlinear dimming Curve Middle
4. Nonlinear dimming Curve Slowest

L E D Position



DMX Profile

O Blinder 400 1Channel

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

O Blinder 400 4 Channel

DMX Channel	Function	Description	Value	Init Value
1	Dimmer	Dimmer LED 1	0-255	255
2	Dimmer	Dimmer LED 2	0-255	255
3	Dimmer	Dimmer LED 3	0-255	255
4	Dimmer	Dimmer LED 4	0-255	255

O Blinder 400 8 Channel

DMX Channel	Function	Description	Value	Init Value
1	Dimmer	Dimmer Off to Full	0-255	255
2	Dimmer	Dimmer LED 1	0-255	255
3	Dimmer	Dimmer LED 2	0-255	255
4	Dimmer	Dimmer LED 3	0-255	255
5	Dimmer	Dimmer LED 4	0-255	255
6	Strobe	No Function	0-4	0
		Strobe (slow to fast)		
		Pulse Strobe (slow to fast)	5-194	
		Random Strobe all (slow to fast)	195-224	
		Random Strobe each (slow to fast)	225-255	
7	Macro	No Function	0-9	0
		Macro 1 (1,2,3,4 fading) slow to fast	10-34	
		Macro 2 (4,3,2,1 fading) slow to fast	35-59	
		Macro 3 (1,2,3,4 chase) slow to fast	60-84	
		Macro 4 (4,3,2,1 chase) slow to fast	85-109	
		Macro 5 (1+2,3+4 fading) slow to fast	110-134	
		Macro 6 (1+2, 3+4 chase) slow to fast	135-159	
		Macro 7 (1+3,2+4 fading) slow to fast	160-184	
		Macro 8 (1+3,2+4 chasing) slow to fast	185-209	
		Macro 9 (1+4,2+3 fading) slow to fast	210-234	
		Macro 10 (1+4,2+3 chasing) slow to fast	235-255	
8	Dimming Speed	Preset Dimmer speed set via display	0-50	0
		No Delay Dimming	51-100	
		Non linear dimming curve fast	101-150	
		Non linear dimming curve medium	151-200	
		Non linear dimming curve slow	201-255	

Rigging the fixture

Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries 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.

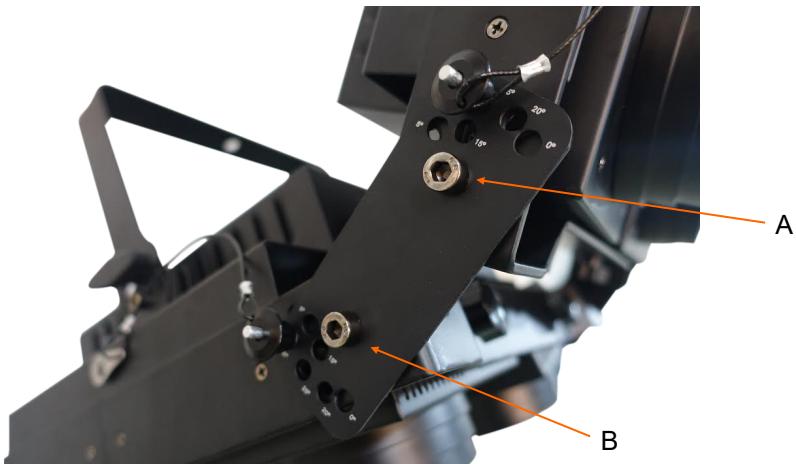
When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

DMX Signal Indicator

The fixture is equipped with a splay angle hanging system. To install hardware mount the 2 screws and nuts to location A on the bottom half of the fixture placing the splay angel attachment on the outer part of the fixture to left and right side of the fixture .



To the second fixture attach using the same hardware from the first fixture. To position B on the second fixture. (note: you will need to remove the screws to take fixtures apart for transportation)



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 2 years.

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) Mechanically moved parts like axles and other must not show any traces of wearing and must not rotate with unbalances.
- 4) 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.

Disconnect from mains before starting maintenance operation!



Caution Danger to life!

Electrical

We recommend a frequent cleaning of the device. Please use a moist, lint free cloth. Never use alcohol or solvents!

- 1) The objective lens will require periodic cleaning on usage and environment. Environment with foggers will require more periodic cleaning as fog fluid tends to build up residues, reducing the light output.
- 2) The cooling-fans should be cleaned monthly. DO NOT blow high pressure air into fans as incorrect rotation can damage the fans operation.
- 3) The lenses may be cleaned with soft brush using soapy water.
- 4) The interior of the fixture should be cleaned using a vacuum.

Note: There is no serviceable parts inside the device . 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 only

Should you have further questions , please contact your dealer.

Parts List

1301-LED	100W WW LED
1301-HAN	Hanging hardware
1301-PCBM	Main PCB
1301-PCBD	Display PCB
1301-LEN	Lens
1301-PIN	Angle Mount Pin
4085-KNOB	Knob
1301-FAN	Fan

Accessories

1301-RC4	4 Unit Road Case
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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, whether in contract, tort (including negligence), strict liability or otherwise, and whether 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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