MEGA LITE™

AXIS MINI GRID Q9

USER MANUAL

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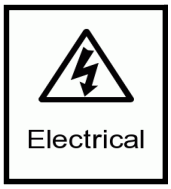
Check that the unit has not been damaged during transport

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 140°.

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.

Specifications

Part Numbers

Fixture	Lamp
1167 - AXIS Mini Grid	**Osram 10W RGBW LED**

Mechanical Specifications

Pan: Infinite° **Tilt:** Infinite°

DMX Connectors: **3 and** 5-pin XLR connectors

Power Connectors: Power Con type in and out

Thermal: Maximum ambient temperature 100° F
Maximum surface temperature 130° F

Fastening System: Single Quick Release Clamp Mounts

Lens Angle: 8º

Fixture	Packaged for Shipping
Size: 13.37" x 5.88" x 13.75" Weight: 16.20 lb	Size: 17.1" x 9.7" x 20.75" Weight: 20 lb

Electrical Specifications

Power Supply: Auto Switch100V-240V 50/60 HZ

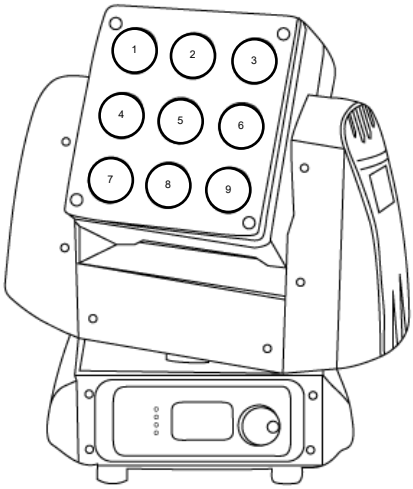
Power Consumption: Amps 1.61
Watts 124

Ballast: Electronic

LED: 9=10W RGBW LED

Display: LCD Display

LED Position



Main Power Connection

Caution!

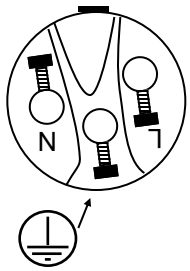
1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.

This device is equipped with an auto switching power supply that will allow you to work from 100V-240V 50/60Hz

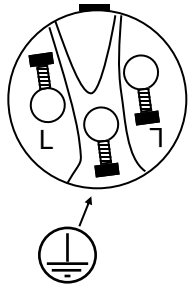
The occupation of the connection-cable is as follows:

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

110V Connec-



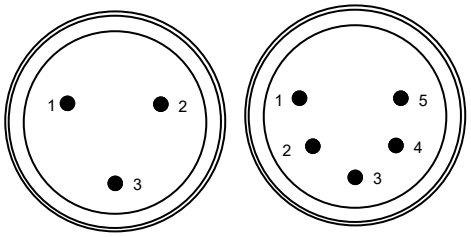
220V Connec-



DMX-512 Connection

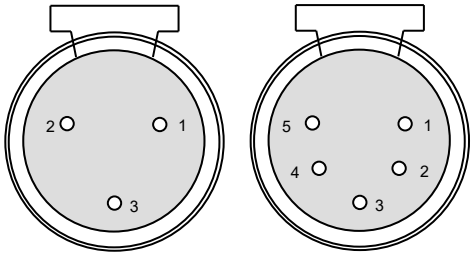
The fixture is equipped with 3 and 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—Input



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

DMX—Output



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 5 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).

Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its LCD display gives you views of the options and functions. The following will explain each function and its options. Turn the rotary knob to see options and press the knob to Enter

1 DMX Address
2 Channel Mode
3 Demo Mode
4 Manual Control

Setup Menu

Press the knob to select Set Up options.

DMX Address
001
16Ch 54ºC

DMX Address

Press the knob to select the DMX start address. Turn knob Left or Right to select desired start address.

1 DMX Address
2 Channel Mode
3 Demo Mode
4 Manual Control

Channel Mode

Press the knob to select fixture profile operating mode

(11 Ch)
(16 Ch)
(44 Ch)

11 Ch

1. Pan
2. Tilt
3. Infinity Pan
4. Infinity Tilt
5. Dimmer
6.Red Intensity
7. Green Intensity
8. Blue Intensity
9. White Intensity
10.Shutter / Strobe
11. Color Macro

16 Ch

1. Pan
2. Pan Fine
3. Tilt
4. Tilt Fine
5. Pan & Tilt Speed
6. Infinity Pan
7. Infinity Tilt
8. Dimmer
9.Red Intensity
10. Green Intensity
11. Blue Intensity
12. White Intensity
13.Shutter / Strobe
14. Color Macro
15. Color Activated Macro
16. Control

44 Ch

1. Pan
2. Pan Fine
3. Tilt
4. Tilt Fine
5. Pan & Tilt Speed
6. Infinity Pan
7. Infinity Tilt
8. Control
9.LED Pixel 1 Red
10. LED Pixel 1 Green
11. LED Pixel 1 Blue
12. LED Pixel 1 White
" " " :
41.LED Pixel 9 Red
42. LED Pixel 9 Green
43. LED Pixel 9 Blue
44. LED Pixel 9 White

1 DMX Address
2 Channel Mode
3 Demo Mode
4 Manual Control

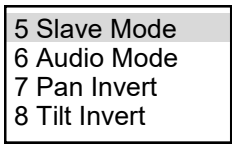
Demo Mode

Press the knob to select fixtures Prerecorded demo program Demo Mode 1 or 2

1 DMX Address
2 Channel Mode
3 Demo Mode
4 Manual Control

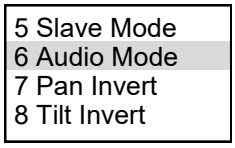
Manual Control

Press the knob to select Manual control Functions. Select the fixtures function you would like to manually control . (Note The fixture will recall the set manual control attributes even after the fixture is turned off and on)



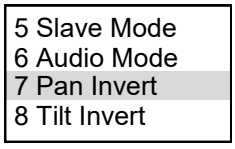
Slave Mode

Press the knob to select Slave mode function



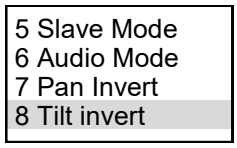
Audio Mode

Press the knob to select Sound Mode option Select yes or no. Pre Program will change scene to the sound of audio.



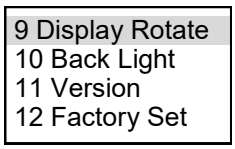
Pan Invert

Press the knob to select Pan Invert option Select yes or no



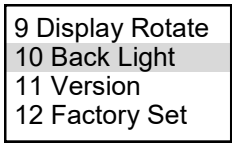
Tilt Invert

Press the knob to select Tilt Invert option Select yes or no



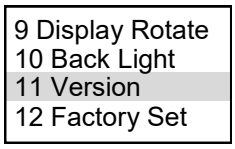
Display Rotate

Press the knob to select the display orientation. Select from **Inverted , Auto** (will automatically invert the display depending in the fixtures orientation or **Norma**l (default position)



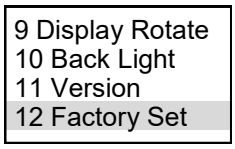
Back Light

Press the knob to select the Back Light option yes to leave light on or No to have the back light turn off after no display movement for 15 seconds



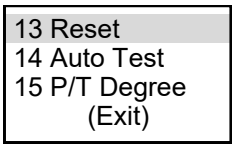
Version

Press the knob to find out what version of software is being used



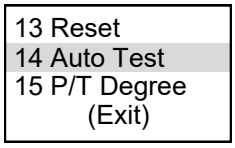
Factory Setting

Press the knob and select yes to restore the fixture to the original factory settings



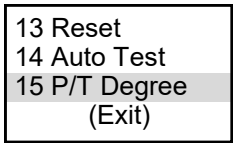
Reset

Press the knob and select yes to restore the fixtures motor functions to the original factory settings



Auto Test

Press the knob and select yes to have the fixture run throw a built in program testing all functions



P/T Degree

Press the knob to select Pan and Tilt extreme positions from 540 x 270 or 360x360 (infinity)

DMX Profile

Axis Mini Grid 11 Ch Mode

DMX Channel	Function	Description	Value	Init Value
1	Pan	Pan Course	0-255	128
2	Tilt	Tilt Course	0-255	128
3	Infinity Pan	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
4	Infinity Tilt	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
5	Dimmer	Dimmer off to full	0-255	255
6	LED Intensity	Red Dimmer	0-255	255
7	LED Intensity	Green Dimmer	0-255	255
8	LED Intensity	Blue Dimmer	0-255	255
9	LED Intensity	White Dimmer	0-255	255
10	Shutter	No Function	0-6	0
		Random Strobe (slow to fast)	7-128	
		Strobe (slow to fast)	129-255	
11	Color Macro	No Function	0-1	0
		Macro 1 (slow to fast)	2-19	
		Macro 2 (slow to fast)	20-39	
		Macro 3 (slow to fast)	40-59	
		Macro 4 (slow to fast)	60-79	
		Macro 5 (slow to fast)	80-99	
		Macro 6 (slow to fast)	100-119	
		Macro 7 (slow to fast)	120-139	
		Macro 8 (slow to fast)	140-159	
		Macro 9 (slow to fast)	160-179	
		Macro 10 (slow to fast)	180-199	
		Macro 11 (slow to fast)	200-219	
		Color Fade (slow to fast)	220-239	
		Color Snap (slow to fast)	240-255	

Axis Mini Grid 16 Ch Mode

DMX Channel	Function	Description	Value	Init Value
1	Pan	Pan Course	0-255	128
2	Pan Fine	Pan Fine	0-255	128
3	Tilt	Tilt Course	0-255	128
4	Tilt Fine	Tilt Fine	0-255	128
5	Pan & Tilt Speed	Pan & Tilt Speed (fast to slow)	0-255	0
6	Infinity Pan	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
7	Infinity Tilt	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
8	Dimmer	Dimmer off to full	0-255	255
9	LED Intensity	Red Dimmer	0-255	255
10	LED Intensity	Green Dimmer	0-255	255
11	LED Intensity	Blue Dimmer	0-255	255
12	LED Intensity	White Dimmer	0-255	255
13	Shutter	No Function	0-6	0
		Random Strobe (slow to fast)	7-128	
		Strobe (slow to fast)	129-255	
14	Color Macro	No Function	0-1	0
		Macro 1 (slow to fast)	2-19	
		Macro 2 (slow to fast)	20-39	
		Macro 3 (slow to fast)	40-59	
		Macro 4 (slow to fast)	60-79	
		Macro 5 (slow to fast)	80-99	
		Macro 6 (slow to fast)	100-119	
		Macro 7 (slow to fast)	120-139	
		Macro 8 (slow to fast)	140-159	
		Macro 9 (slow to fast)	160-179	
		Macro 10 (slow to fast)	180-199	
		Macro 11 (slow to fast)	200-219	
		Color Fade (slow to fast)	220-239	
		Color Snap (slow to fast)	240-255	
15	Color Activated Macro (Color Fader must be activated)	No Function	0-1	0
		Macro 1 (slow to fast)	2-19	
		Macro 2 (slow to fast)	20-39	
		Macro 3 (slow to fast)	40-59	
		Macro 4 (slow to fast)	60-79	
		Macro 5 (slow to fast)	80-99	
		Macro 6 (slow to fast)	100-119	
		Macro 7 (slow to fast)	120-139	
		Macro 8 (slow to fast)	140-159	
		Macro 9 (slow to fast)	160-179	
		Macro 10 (slow to fast)	180-199	
		Macro 11 (slow to fast)	200-219	
		Macro 12 (slow to fast)	220-239	
		Macro 13 (slow to fast)	240-255	
16	Control	No Function	0-9	0
		Reset	10-20	
		No Function	21-255	

Axis Mini Grid 44 Ch Mode

DMX Channel	Function	Description	Value	Init Value
1	Pan	Pan Course	0-255	128
2	Pan Fine	Pan Fine	0-255	128
3	Tilt	Tilt Course	0-255	128
4	Tilt Fine	Tilt Fine	0-255	128
5	Pan & Tilt Speed	Pan & Tilt Speed (fast to slow)	0-255	0
6	Infinity Pan	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
7	Infinity Tilt	No Function	0-15	0
		Forward (fast to slow)	16-135	
		Backwards (slow to fast)	136-255	
8	Control	No Function	0-9	0
		Reset	10-20	
		No Function	21-255	
9	LED Intensity	Pixel 1 Red	0-255	0
10	LED Intensity	Pixel 1 Green	0-255	0
11	LED Intensity	Pixel 1 Blue	0-255	0
12	LED Intensity	Pixel 1 White	0-255	0
"	"	" "	"	
41	LED Intensity	Pixel 9 Red	0-255	0
42	LED Intensity	Pixel 9 Green	0-255	0
43	LED Intensity	Pixel 9 Blue	0-255	0
44	LED Intensity	Pixel 9 White	0-255	0

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 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.

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!

Electrical

Caution Danger to life!

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.
5) We recommend proper lubrication of the motor wheel. The quantity of the oil must not be excessive in order to avoid oil run outs when motor wheel rotates

Note: There is no serviceable parts inside the device except for the fuse. 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

1167-PS	Power Supply
1167-MPCB	Main PCB
1165-LED	LED 12W RGBW
1167-LEDMOD	LED on PCB
1167-FANB	Base Fan
1167-FANH	Head Fan
1167-WIRR	Infinity Rotation Wire harness
1167-PSEN	Pan Motor Sensor
1167-TSEN	Tilt Motor Sensor
1167-DPCB	Motor Driver PCB
1165-LEN	Lens

1167-QR	Quick Release Clamp Mount
1167-RC6	6 Unit Road Case

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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