

AXIS BEAM 7R



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 too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 104°.

Protection Against Fire



Electrical

1. Disconnect power before lamp replacement or servicing.
2. For connection to main power supply proceed to page 6.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

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	Lamp	Flight Case
1150 - AXIS Beam 7R	L-JEN 7R	1140-RC2 Dual Road Case

Mechanical Specifications

Pan: 540° **Tilt:** 270°
DMX Connectors: 5-pin XLR connectors
Power Connectors: Power Con Type
Thermal: Maximum ambient temperature 100° F
 Maximum surface temperature 130° F
Fastening System: 2 Quick Release Clamp Mounts

Fixture	Packaged for Shipping
Size: 14.30" x 11.5" x 20.25"	Size: 18.5" x 17.75" x 26.25"
Weight: 34 lb	Weight: 44 lb



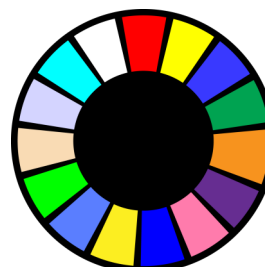
Electrical Specifications

Power supply: Auto Switch 100V-240V 50/60 HZ
Power consumption: Amps 2.63
 Watts 314
Ballast: Electronic
LAMP: Jenbo 7R lamp
Display: LCD Display

Electromechanical Effects

Prism: 16-Facet prism rotating in both directions at different speeds
Dimmer: Dual Blade dimming
Shutter: Mechanical Shutter strobe of lamp 13 flash per second
Frost: Mechanical Frost Effect
Focus: Mechanical Focus
Gobo: 17+Open bi-directional rotation

Color: 14+Open bi-directional rotation





Main Power Connection

Caution!

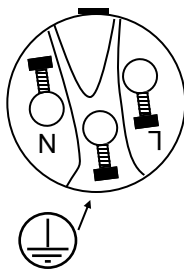
1. Do not connect fixture to a dimmer system.
2. This unit must be earthed. (electronically grounded)
3. Replace fuse only with the specified type and rating.

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

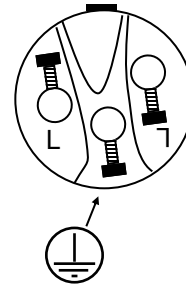
The occupation of the connection-cable is as follows:

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

110V
Connec-



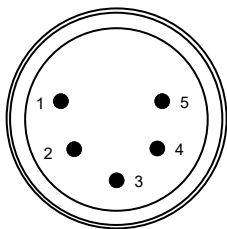
220V
Connec-



DMX-512 Connection

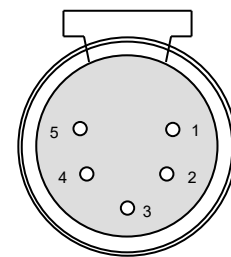
The fixture is equipped with 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input



DMX—output

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



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).

Rigging the fixture

Caution!

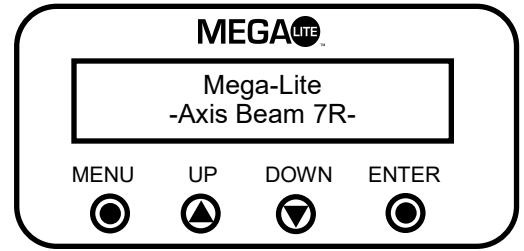
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment 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.

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



-Mega Lite-Axis Beam 7R-
Wait...

Address
001

To Set the DMX Start Channel press the ▲ then press **Enter**. Use the ▲ or ▼ to select the desired DMX Start Channel and press **Enter** to confirm your setting.

Pan

To invert Pan mode press **Enter**. Use the ▲ or ▼ to select the Pan orientation and press **Enter** to confirm your setting.

Tilt

To invert Tilt mode press **Enter**. Use the ▲ or ▼ to select the Tilt orientation and press **Enter** to confirm your setting.

Color

To allow the fixture to work in split color mode press **Enter**. Use the ▲ or ▼ to select the mode **yes** to allow split colors and **no** to allow only fix color and press **Enter** to confirm your setting.

Lamp

This finction is used for Lamp control press **Enter**. Use the ▲ or ▼ to select the mode **yes** to turn lamp on and **no** to turn off the lamp press **Enter** to confirm your setting.

Mode
DMX 512

To Set the Desired operational mode press **Enter**. Use the ▲ or ▼ to select the desired mode and press **Enter** to confirm your setting.

DMX 512= This mode will allow you to operate the fixture with a DMX controller

Auto= This Function Allows you to run the Auto Programs Or Audio Programs and send DMX signal out to the Slave units

Slave= On Slave Mode the fixture will copy the functions on the Master unit

Manual

Each Channel can be accessed with this function press **Enter**. Use the ▲ or ▼ to select the channel press **Enter** use the ▲ or ▼ to select position confirm your setting by pressing **Enter**.

Restore

This function is used to restore the each of the motor control functions press **Enter**. Use the ▲ or ▼ to select motor function press **Enter** to confirm reset.

DMX Profile

Axis Beam 7R 16 Ch Mode

DMX Channel	Function	Description	Value
1	Pan	Pan Course	0-255
2	Tilt	Tilt Course	0-255
3	Pan Fine	Pan Fine	0-255
4	Tilt Fine	Tilt Fine	0-255
5	Pan Speed	Pan Speed (Fast to Slow)	0-255
6	Tilt Speed	Tilt Speed (Fast to Slow)	0-255
7	Dimmer	Dimmer off to full	0-255
8	Shutter	Open	0-50
		Strobe (slow to fast)	51-240
		Open	241-255
9	Frost	No Function	0-1
		Frost (clear to frost)	2-255
10	Color	Open	0-11
		Red	12-23
		Highlite Yellow	24-35
		Blue	36-47
		Green	48-59
		Orange	60-71
		Purple	72-83
		Pink	84-95
		Dark Blue	96-107
		Yellow	108-119
		Light Blue	120-131
		Lime Green	132-143
		CTO	144-155
		CTB	156-167
		Aqua	168-185
		Clockwise Color Scroll (Slow to Fast)	186-219
Counter Clockwise Color Scroll (Slow to Fast)	220-255		
11	Gobo	Open	0-3
		Gobo 1	4-7
		Gobo 2	8-11
		Gobo 3	12-15
		Gobo 4	16-19
		Gobo 5	20-23
		Gobo 6	24-27
		Gobo 7	28-31
		Gobo 8	32-35
		Gobo 9	36-39
		Gobo 10	40-43
		Gobo 11	44-47
		Gobo 12	48-51
		Gobo 13	52-55
		Gobo 14	56-60
		Gobo 15	61-63
		Gobo 16	64-67
Gobo 17	68-71		

		Clockwise Color Scroll (Fast to Slow)	72-113
		Open	114-118
		Counter Clockwise Color Scroll (Slow to Fast)	119-160
		Open	161-165
		Gobo 1 Shake (Slow to Fast)	166-171
		Gobo 2 Shake (Slow to Fast)	172-177
		Gobo 3 Shake (Slow to Fast)	178-183
		Gobo 4 Shake (Slow to Fast)	184-189
		Gobo 5 Shake (Slow to Fast)	190-195
		Gobo 6 Shake (Slow to Fast)	196-201
		Gobo 7 Shake (Slow to Fast)	202-207
		Gobo 8 Shake (Slow to Fast)	208-213
		Gobo 9 Shake (Slow to Fast)	214-219
		Gobo 10 Shake (Slow to Fast)	220-225
		Gobo 11 Shake (Slow to Fast)	226-231
		Gobo 12 Shake (Slow to Fast)	232-237
		Gobo 13 Shake (Slow to Fast)	238-243
		Gobo 14 Shake (Slow to Fast)	244-249
		Gobo 15 Shake (Slow to Fast)	250-255
12	Prism	No Function	0-127
		Prism Engage	128-255
13	Prism Rotation	No Function	0-1
		Clockwise Prism Rotation (Slow to Fast)	2-106
		Counter Clockwise Prism Rotation (Slow to Fast)	107-180
		Prism Shake (Slow to Fast)	181-255
14	Focus	Focus	0-255
15	Lamp Control	No Function	0-100
		Lamp Off (hold for 3 seconds)	101-105
		No Function	106-200
		Lamp ON (hold for 3 seconds)	201-205
		No Function	206-255
16	Reset	No Function	0-254
		Fixture Reset	255

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 gobos, dichroic color filters and internal 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

1140-RC2	2 Unit Road Case
1150-DRI	Driver Board
L-JEN7R	Replacement Lamp Jenbo 2R
1150-BAL	Lamp Ballast
1150-PCBM	Display PCB
1150-MPCB	Main PCB
1145-DMX5	5pin DMX Panel Mount Connector
1145-DMX3	3pin DMX Panel Mount Connector
1150-MOTP	Pan Motor
1150-MOTT	Tilt Motor
1150-MOTF	Focus Motor
1150-MOTG	Gobo Motor

1150-MOTPR	Prism Motor
1150-PBEL	Pan Belt
1150-PS	Power Supply
1140-SEN1	Magnet Sensor
1140-SEN2	Optic Sensor
1140-FAN90	Fan 90mm
1140-FAN60	Fan 60mm
1140-FANSQ	Fan SQ60mm
1140-QR	Quick Release Clamp Mount

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.

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