

G·LITES™

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**MOVING HEAD
BEAM 300**

1. Dispacking

Thank you purchasing G-Lites Moving Head Beam 300. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

G-Lites Moving Head Beam 300 is made of a new type of high temperature strength of engineering plastics and cast aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

The light adopts powerful Philips MSR GOLD 300/2 MINI FAST which features high brightness and stability. Please carefully dispack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:

Beam 300----- one	Signal Cable----one
Omega Clamp-----Two	User Manual----one

2. Safety Instructions



CAUTION!

Be careful with your operations. With a dangerous voltage you can Suffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



Important:

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power cord by the plug. Never pull out the plug by tugging the power cord.

During initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective, it should decrease gradually.

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

3. Operation Instructions

-The moving head is for beam effect for onsite decoration purpose.

-Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.

-This light should be keep away from strong shaking during any transportation or movement.

-Don't pull up the light by only the head, or it might cause damages to the mechanical parts.

-Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.

-Make sure the installation place is in good safety condition before installing the fixture.

-Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.

-Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.

- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

4. Installation via clamp

Screw the clamps each via a M12 screw and nut onto the Omega holders.

Insert the quick-lock fasteners of the first Omega holder into the respective holes on the bottom of the device. Tighten the quick-lock fasteners fully clockwise. Install the second Omega holder.

Pull the safety-rope through the holes on the bottom of the base and over the trussing system or a safe fixation spot. Insert the end in the carabine and tighten the safety screw.

5. DMX-512 control connections

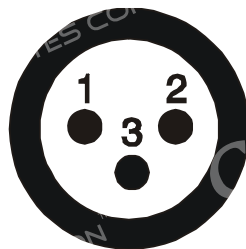
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head. You can chain multiple

Moving head together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX output 3-Pin XLR Socket



DMX Input 3-Pin XLR Socket

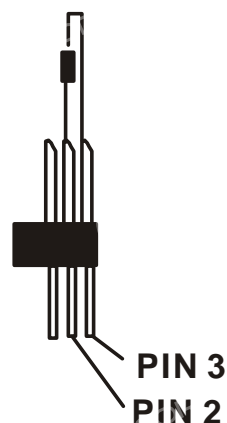
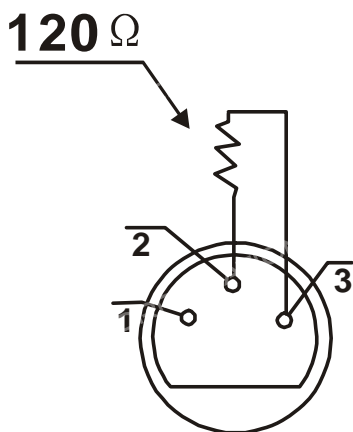


- 1: Ground
- 2: Signal (-)
- 3: Signal (+)

DMX-512 connection with DMX terminator

For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is

simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



6. LCD Display Operations

1. A001 display the products' DMX address
2. 001 design the products' DMX address cord
3. MENU

Rpan : Rotation Pan

Rtil : Rotation Tilt

Lamp : ON, OFF

Rset : Reset and enter, after 3 seconds, it will be reset.

Colo : Color model, Full Color MODE1, Half Color MODE2

Turn : Show 180 degree rotation

Disp : 3 models, MODE1: Normal display, MODE2: Half bright, MODE3: Close (return by any key).

The display will close after 30 seconds without operations.

7. DMX Channels

Chanel	Function	Values	Description
1	Pan	0-255	0~450
2	Tilt	0-255	0~270
3	Speed	0-255	Speed of PAN/TILT, from fast to slow
4	Strobe	0-050	White
		051-240	Linear Dimming
		241-249	White
		250-252	Empty
		253-255	White
5	Dimmer	0-255	0-100% linear dimmer
6	Color	0-014	White
		015-029	Color 1
		030-044	Color 2
		045-059	Color 3
		060-074	Color 4
		075-089	Color 5
		090-104	Color 6
		105-119	Color 7
		120-127	Color 8
		128-191	Clockwise stream effect from fast to slow
192-255	Anticlockwise stream effect from fast to slow		
7	Gobo	0-014	White
		015-029	Gobo 1
		030-044	Gobo 2
		045-059	Gobo 3
		060-074	Gobo 4
		075-089	Gobo 5
		090-104	Gobo 6
		105-119	Gobo 7
		120-127	Gobo 8
		128-191	Clockwise stream effect from slow to fast
		192-255	Anticlockwise stream effect from slow to fast
8	Gobo Shaking	0-191	Gobo shaking from slow to fast
		192-255	White
9	Frost	0-255	Linear frost effect
10	Pan Fine	0-255	16Bit for PAN
11	Tilt Fine	0-255	16Bit for TILT
12	Reset	0-234	Empty
		235-255	Reset

8. Technical Specifications

Input Voltage: AC100-120V 50/60Hz or AC210~240V, 50/60HZ

Lamp: Philips MSR GOLD 300/2 MINI FAST

Control Signal: DMX512, master-slave and sound activated or auto operation

Control Channel: 12 DMX Channels

Power Consumption: 400W

Dimensions: 396X390X630mm

Packing Dimensions: 515X440X785mm

Net Weight: 17kgs

Gross Weight: 19kgs

9. Key Features

Extremely new design optical unit

Philips MSR GOLD 300/2 MINI FAST

850H lifespan (750 average) and 8600K color temperature

22000LM luminous flux

Normally 8° beam angle

One Color wheel with 8 interchangeable colors plus open (unilateral rotation rainbow effect; full color mode or half color mode switchable)

One GOBO wheel with 8 interchangeable gobos (4 image gobos and 4 beam angle reduction gobos) plus open (variable rotation rainbow effect; full color mode or half color mode switchable)

Outstanding linear frost effect from 0-100%

0-13t/s strobe effect (auto strobe mode and pulse strobe mode available)

12 DMX channels

540°PAN movements with 8bit/16bit resolution

270°TILT movements with 8bit/16bit resolution

Automatic Pan/Tilt reposition accidental movement not controlled by control unit

3-pin DMX connectors for input and output

Graphic LED display with shuttle wheel

Aluminium structure with die-cast plastic cover

Two side handles for transportation

PAN and TILT lock for transport and maintenance

Lamp ON/OFF control from the lighting console with delay function

Function reset from the lighting console with delay function

Intelligent electric rectifier making the unit much brighter and stable

Switch power supply with short circuit protection

Forced ventilation with axial fans

Hanging system with fast-lock OMEGA clamp on the base

In conformity to CE standards and GB 7000. 15-2000 Standard

10. Maintenance and Cleaning

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue 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.



CAUTION!

Disconnect from mains before starting maintenance operation.

In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

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

There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.