

USER GUIDE FOR 350W LED BEAM MOVING HEAD-15R



Applicable Models:

350W LED BEAM MOVING HEAD-15R

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Important Notice:

There are no user serviceable parts inside the fixture. Do not attempt any repairs yourself; doing so will cease the manufacturing warranty and such acts will void the manufacturer warranty claims.

- Warranty claims to be reported to the above referred email ID's with the product Sl. Nos.
- Warranty will not be extended on the glass and breakable items like lenses etc.
- Product warranty does not cover the physical damages, breakages etc.
- Product warranty ceases if the product is not used as per manufacturer instructions.
- Product warranty is limited to the functional aspects of the fixture.
- Repair or Replacement is depending on the variance of complaint subject to manufacturer decision.

Instructions:

This Product is IP20 rated. For proper operation, follow the **Installation guidelines described in this manual. Only qualified and** certified personnel should perform the installation and only the original rigging parts (brackets, holders, clamps, safety cables) included with this fixture should be used for installation. Any modifications will void the original manufactures warranty and increase the risk of damage and/or personal injury.

- Never look directly into the light source to prevent risk of injury to your retina, which may induce blindness. Those suffering from EPILEPSY should avoid looking directly into the light source of this unit at all times.
- The fan and air inlets must remain clean and never blocked. Allow approx. 6" (15cm) between this fixture and other devices or a wall for proper cooling.
- Always disconnect from main power source before performing any type of service and/or cleaning procedure. Only handle the power cord by the plug end, never pull by tugging the wire portion of the cord.
- Do NOT operate fixture if the power cord has become frayed, crimped and/or damaged. If the power cord is damaged, replace it immediately with a new one of similar power rating.
- Do NOT operate fixture near any flammable materials.
- Do NOT operate fixture in dusty environments.
- Fixture is IP20 rated and should be operated at the dry spaces. Fixture may get damaged to moistures and wet environments.
- This fixture has an inbuilt signal dimming system. Do NOT connect this fixture for external dimmer packs.
- We urge you to ensure proper mechanical fitments of clamps and a usage of safety chains while suspending from the top.

FEATURES & SPECIFICATIONS

- Power supply: AC100V – 240V
- Frequency: 50 Hz - 60 Hz
- Total power: 420W
- Fuse: 5A
- Ballast: electronic ballast
- Light source: Philips projection bulb
- Light bulb power: 350W
- Color temperature: 8500 k
- Average life span: 2000H (light bulb and reflective cup overall package, light efficiency and higher service life)
- Control signal: international standard DMX512 Appearance: high temperature resistant plastic Light
- body color: black
- Protection level: IP20
- 17. Net KG

Features:

- International standard control signal: DMX512
- Channel number: 16CH
- LCD 650,000 color touch TFT interface, easy to operate and beautiful interface, the interface can be inverted 180 degrees.
- The X axis rotate for 540 °C, the Y axis vertical rotation of 270 °C, with automatic correction.
- X, Y axis operation can be tempered and micro, the software band calibration localization function, high precision!
- Dimming: 0-100% linear adjustment.
- Strobe: double - chip stroking (0.5-9 times/SEC), complete linear dimming and variable stroking speed.
- Color wheel: with 14 colors + white space (capable of creating sharp aerial beam effects)
- Design wheel: with 17 fixed images + blanks (let you quickly change the shape of the beam)
- Prisms: rotating the octahedral prism, which can rotate in two directions, with a fast and slow rotation speed, which makes the pattern projection more abundant
- Atomization: soft light effect, easy to achieve the design effect of soft dream.
- Focus: 3 sets of optical lenses are used to achieve the effect of a far superior beam light, which can be used to project a high-resolution pattern
- Beam Angle: parallel beam Angle: 0-3.8Super-heated intelligent protection
- Intelligent light bulb switch control (extended bulb service life)

Connection of DMX512 signal:

The lamps and lanterns use DMX512 signal control model, the control signal of lamps and lanterns is a parallel relationship, the connection is more than one signal lamps and lanterns, it is best to use double core shielded cables. Connection, all through the lamps and lanterns of lamps and lanterns DMX signal on jack (context) INPUT (INPUT) and OUTPUT (OUTPUT) are connected, connect the line of lamps and lanterns 3 core XLRXL plug terminal must correspond to each other, when the connection signal lamps and lanterns, it is recommended to use DMX signal terminal. Can be avoided, due to electrical noise damage control signal, DMX signal terminal device is a XLR plugs connection between 2 and 3 feet a 120-ohm resistance of 1 w, and connect it on the last stage of lamps and lanterns of the OUTPUT (OUTPUT) jack.

The initial address code calculation method of lamps and lanterns:

The starting address code of the current light fixture is equal to (the initial address code of the last light fixture) + (the number of channels of the lamp):

- The initial address code of the first lamp is A001.
- The basic channel number of the controller should be greater than or equal to the total number of use channels.
- Note: when using any controller, each lamp should have its own initial address code. If the initial address code of the first light lamp is set A001, the number of the luminaire number is 16CH; The starting address of the second light fixture is set to A017. The starting address code of the third light fixture is set to A033; And so on and so forth, (this setting also needs to be determined by different control tables)

Description of installation of lamps and lanterns:

This luminaire can be placed horizontally, slanting and hanging upside down, and must pay attention to the installation method when hanging and hanging upside down.

Fixed installation of lamps and lanterns: before the positioning of lamps and lanterns, to ensure the stability of the installation site, when the reverse hanging installation, must ensure that the lamps and lanterns is not tumbled down on the supporting frame and handle with a safety rope through the racks and lamps and lanterns, assist hanging; In order to ensure safety. To prevent fall and slide of lamps and lanterns, lamps and lanterns in the installation and debugging, the ban pedestrians pass, regularly check whether the safety rope appear wear away, whether hook screws loosen, if because hanging installation is not stable, lead to fall all consequences arising from the lamps and lanterns manufacturer does not assume any responsibility.

Light bulb installation:

- When replacing the bulb, remove the plastic shell of the lamp head first.
- Good quality light bulbs are recommended.
- Uncharged installation, remove the bulb.
- Hand untouchable parts of the bulb.
- Tighten the screws after replacing the bulb.
- The light bulb work at high temperature, and gas discharge cannot continue to supply the physical characteristics of bubble, must therefore be in every time, when the power is completely cooling ability to operate in about 10 minutes, otherwise it will lead to high voltage discharge, short circuit burn out components on the computer console.

Safety Tips:

- To ensure your safe use of lamps, read the following safety tips carefully before using them to avoid unnecessary breakdowns and injuries.
- Non-professional personnel, do not remove the fittings in lamps and lanterns without permission.
- AC power supply: check whether the local power supply meets the rated voltage requirement.
- The lamps and lanterns is according to the type of electric shock protection design, lamps and lanterns should be used with sufficient power supply system grounding, and lamps and lanterns of the ground wire must be connected to the ground of the power supply system. Do not use insulation damaged power cord, at the same time, do not use the power cord overlap on the other wire.
- 4, when the installation location and lamps and lanterns, any point on the surface of lamps and lanterns and any easy to burn the explosive keep minimum distance of 10 meters, 2.5 meters from irradiation distance, please do not install the lamps and lanterns is directly in to burn the material surface.
- Ambient temperature used in luminaires: (-10 degrees + 40 degrees), the maximum temperature of the lamp surface is 80 degrees, and the lamps and lanterns should be kept away from the liquid material and wet environment.
- Make sure the lamps are well grounded before using the lamps, and do not install and remove any parts.
- When installing lamps and lanterns, the fixing screws must be fastened, equipped with safety cables and checked regularly.
- The continuous working time of the luminaires should not exceed 10 hours, and the interval time of continuous start of the lamps shall not be less than 10. Otherwise, the bulb should be protected from overheating and cannot be triggered normally.
- In the process of use, the lamp should be stopped using lamps in time.

Difficult method:

The following is a list of troubleshooting and processing methods. Other maintenance tasks are handled by professional maintenance personnel.

Light bulb

- Due to improper operation, the bulb has not been completely cooled. The lamp should be cooled for more than 10 minutes, so that the inner bulb of the bulb can be fully restored to normal state, and the power supply can be started again.
- Check whether the bulb has reached the service life and should replace the new bulb.
- Check whether the bulb and the bubble line are leaking, shedding or not having good contact.
- Replace the new point bubbler.

The beam appears dim

- Check whether the bulb has reached the service life and should replace the new bulb.
- Check that the optical parts or light bulbs are clean, and the light bulbs and other optical devices are accumulated with dust, and the light bulbs and components should be cleaned and maintained regularly.

The projected image is blurry

- Check whether the electron focus channel value is suitable for the current projection distance.

Computer lights work intermittently

- Check whether the fan is running normally to make it dirty.
- Check whether the internal temperature control switch is closed.
- Check whether the bulb has reached the service life and should replace the new bulb

Although it glows, the computer lamp no longer accepts the controller's control

- Check the initial address code and check the connection of the communication line (1 ground 2 minus 3 positive)
- Add signal amplifier
- When the bulb was not completely cooled, there was an abnormal start operation, and the instantaneous ultra-high voltage of the bubbler was leaking and the CPU of the circuit board channel chip was burned.

The computer light cannot be started

- Check whether the insurance on the power input socket is fused
- Lamps and lanterns are not in contact with the line due to vibration during long distance transportation
- Check the input power, computer board and other connector devices.

After self-examination, some functions do not accept controller control

- Check that the function has no power at work, or whether the chip is burned by other high pressure shocks.

The X and Y axis are restored to 0 in other data while the electricity is working, and there is an abnormal noise

- At the time of abnormal qi, the high point bubble voltage leakage caused the burning of X and Y axis photoelectric induction circuit board (light lotus root).
- Restart the computer light according to normal procedures
- Push all the channel values of the controller to 0, remote reset computer lamp.

Maintenance and insurance:

Shutdown operation: before each off, the bulb first closed 10 minutes ahead of time. Let the cooling fan inside heat when using the lamps and lanterns, fast discharge, it can prolong the lamps and lanterns of accessories, especially the service life of the bulb. In order to ensure the lamps and lanterns can steadily run, should keep it clean, open lamps and lanterns for repair or before maintenance work that make sure the power is disconnected, it is important to keep the lamps and lanterns is clean, clean, clean, please regularly not only keep the maximum brightness output, but also can prolong the service life of lamps and lanterns, it is recommended to use high quality glass cleaner and use a clean soft cloth to clean, use the vacuum cleaner at least half an year is clean inside the lamp.

Key instructions:

The "left" and "right" keys function the same way: return to the previous interface "Up" and "down" key: select and edit.



- "Determine" key (that is, "OK" key): execute function, begin edit, exit edit
- MENU enters MENU selection
- DOWN to the next option UP to the previous option
- ENTER to confirm the selected function

Interface Description:

The main interface

The following is an example of "modifying DMX address code" to describe the use of keys:

- If it is not the main interface, press the "left" button (one or more times) to return to the main interface
- Select the "Settings" button under the "top" key or "lower" key under the main interface Press "ok" to enter the "Settings" interface
- Select the "DMX address" by pressing the "up" key or "under" key under the "setting" interface
- Press "ok" to enter edit status
- Modify the DMX address code by pressing "up" or "down" key Press "ok" to exit edit status

Set the interface

| options | instructions | |
|------------------------------|---------------|---|
| The operation mode | DMX | From the machine status: receiving DMX signal from the controller or host |
| | automatic | Host: run automatically, and send the DMX signal from machine |
| | Voice control | Receiving external sound or vibration, run the built in application effect |
| DMX address | 1-512 | Press "OK" button to enter edit state. At this point is selected to one hundred, according to the "up" "down" Key change address code. Press the "OK" button once again and selected 10 editing. Press again "OK" button to select bits editor. Then exit the editor state at a time. |
| The channel model | 16 | 17-20 channel is invalid |
| | 20 | 17-20 channel control speed (see channel table) |
| X inversion | close/open | |
| Y inversion | close/open | |
| XY The encoder | close | Do not use the encoder (tight coupling) correct position |
| | op | Using encoder (light coupling) judging out-of-step and automatically correct position |
| No DMX signal | keep | According to the original state continues to run |
| | reset | The motor return, stop running |
| The screen saver | open | Close the back lit idle for 30 seconds |
| | close | Back lit Stay lit |
| Switch on light bubble | open | When start the lamps and lanterns, lamp light up automatically |
| | close | Start the lamps and lanterns, the bulb is not bright |
| Restore the default Settings | no | |
| | yes | Press "ok" is to restore the default Settings |

Information interface:

| options | instructions |
|--------------------------|---|
| Software version | The current software version |
| A total of time | Cumulative time (accurate to minutes) |
| The use of time | The use of this boot since time (down to minute) |
| Total light soaking time | Total light bubble time (accurate to minutes) |
| | The light of this boot since bubble time (down to minute) |
| DMX channel value | In the condition of DMX, showing all channels of value (number), thus the child into the interface, display as a percentage value and channel value for viewing |
| System error record | If red EPR lights shine, then failed to reset |
| | Run out of step, can enter child interface for details. After the view can press "OK" the error record to empty. |

Manual control interface:

This interface is used to control the current lamps and lanterns, neither belongs to the state machine from machine shape (not receiving DMX signal) also does not belong to the host shape (not send DMX signal)

| options | instructions | |
|------------------------|---|---|
| reset | Click "ok" button after see confirmation dialog, press the "ok" key once again, after carry into the interface, reset all motor | |
| The light bulb control | Open/guan | |
| The color wheel | 0—255 | Press "ok" button to enter edit state. At this point is selected, click on "next" button to change channels values, press the "ok" button once again and exit the editor. |
| | 0—255 | |
| Pattern plate speed | 0-255 | |

Advanced interface:

To enter the show advanced interface, please enter the password: XXXXXX. Specific operation process: press the up and down key to choose Numbers (a *) at a time.

Password input after fully, finally press the "ok" key password authentication.

| options | instructions | |
|--|--------------------|---|
| The biggest bright time | 0-9999 | Can be set up on time |
| Encryption scheme | close | |
| | The number of time | Can be set up the use of lamps and lanterns Can install the use time of lamps and lanterns |
| Encryption parameters (frequency/time) | 0-9999 | After the encryption mode to open the work. Can be set up the use of lamps and lanterns (number/time) |

Thou hast interface

Click "ok" button, the interface inversion can be 180-degree show.

English interface

Click "ok" button, the interface, switch to English mode.

Chinese interface

Click "ok" button, the interface, switch to the Chinese model.

The factory interface

Enter the factory interface, display, please enter the password: XXXXXX. Specific operation process: press the up and down key to choose Numbers (a *) at a time.

Password input after fully, finally press the "OK" (OK) key password authentication.

| options | instructions | |
|------------------------------|------------------------------|----------------------------------|
| Reset the calibration (fine) | 0-255 | X calibration |
| | 0 255 | Y calibration |
| | 0-255 | The dimming calibration |
| | 0-255 | Colour wheel alignment |
| | 0-255 | Pattern plate of the calibration |
| | 0-255 | Focusing calibration |
| | 0-255 | Prism calibration |
| | 0-255 | Fog lens calibration |
| Channel saver Settings | Can be set up channel switch | |
| Screen saver mode | Pattern 1 | According to address code |
| | Pattern 2 | According to factory LOGO |
| | Pattern 3 | No display (reserve) |
| Bright time reset | NO/YES | |

DMX Channel List

| CH | Eng contrast | DMX | English |
|---------|----------------------------------|---------|---|
| 1 | Color | 0-9 | Colour1 |
| | | 10-14 | Colour1+Colour2 |
| | | 15-19 | Colour2 |
| | | 20-24 | Colour2+Colour3 |
| | | 25-29 | Colour3 |
| | | 30-34 | Colour3+Cofour4 |
| | | 35-39 | Colour4 |
| | | 40-44 | Colour4+Cofour5 |
| | | 45-49 | Colour5 |
| | | 50-54 | Colour5+Colour6 |
| | | 55-59 | Colour6 |
| | | 60-64 | Colour6+ColourT |
| | | 65-69 | Colour7 |
| | | 70-74 | Colour7+Cofour8 |
| | | 75-79 | Colour8 |
| | | 80-84 | Colour8+Colour9 |
| | | 85-89 | Colour9 |
| | | 90-94 | Colour9+Colour10 |
| | | 95-99 | Colour10 |
| | | 100-104 | Colour10+Colour11 |
| 105-109 | Colour11 | | |
| 110-114 | Colour11+Colour12 | | |
| 115-119 | Colour12 | | |
| 120-124 | Colour12+Colour13 | | |
| 125-129 | Colour13 | | |
| 130-134 | Colour13+Colour14 | | |
| 135-139 | Colour14 | | |
| 140-149 | Colour14+Colour1 | | |
| 150-203 | Forward flow (From fast to slow) | | |
| 204-255 | Reverse flow (From slow to fast) | | |
| 2 | Shutter | 0-3 | Closed |
| | | 4-103 | Strobe pulse (From slow to fast) |
| | | 104-107 | Open |
| | | 108-207 | Stroboscopic effect (From slow to fast) |
| | | 209-212 | Open |
| | | 213-251 | Random strobe (From slow to fast) |
| | | 252-255 | Open |
| 3 | Dimmer | 0-255 | From dark to light |
| 4 | Gobo | 0-5 | Gobo1 |

| | | | |
|---|---------------------|--|---|
| | | 06-Nov | Gobo2 |
| | | 12-17 | Gobo3 |
| | | 18-23 | Gobo4 |
| | | 24-29 | Gobo5 |
| | | 30-35 | Gobo6 |
| | | 36-41 | Gobo7 |
| | | 42-47 | Gobo8 |
| | | 48-53 | Gobo9 |
| | | 54-59 | Gobo10 |
| | | 60-65 | Gobo11 |
| | | 66-71 | Gobo12 |
| | | 72-77 | Gobo13 |
| | | 78-83 | Gobo14 |
| | | 84-89 | Gobo15 |
| | | 90-134 | Forward flow (From fast to slow) |
| | | 140-185 | Reverse flow (From slow to fast) |
| | | 186-190 | Gobo2 Jitter (From slow to fast) |
| | | 191-195 | Gobo3 Jitter (From slow to fast) |
| | | 196-200 | Gobo4 Jitter (From slow to fast) |
| | | 201-205 | Gobo5 Jitter (From slow to fast) |
| | | 206-210 | Gobo6 Jitter (From slow to fast) |
| | | 211-215 | Gobo7 Jitter (From slow to fast) |
| | | 216-220 | Gobo8 Jitter (From slow to fast) |
| | | 221-225 | Gobo9 Jitter (From slow to fast) |
| | | 226-230 | Gobo10 Jitter (From slow to fast) |
| | | 231-235 | Gobo11 Jitter (From slow to fast) |
| | | 236-240 | Gobo12 Jitter (From slow to fast) |
| | | 241-245 | Gobo13 Jitter (From slow to fast) |
| | | 246-250 | Gobo14 Jitter (From slow to fast) |
| | | 251-255 | Gobo15 Jitter (From slow to fast) |
| 5 | Prism 1 prism 2 | 000-127 128-255 | Prism 1 pops up Prism 1 Cut in Prism 2 pops up Prism 2 Cut in |
| 6 | prism 1 rotation | 000-064 065-127 128-191 192-255 | Index (from slow to fast) Reverse running water (from show to fast) Back and forth (from slow to fast) |
| 7 | prism 2 rotation | 000-064 065-127 128-191 192-255 | Index (from slow to fast) Reverse running water (from show to fast) Back and forth (from slow to fast) |
| 8 | focus | 000-255 | Linear focusing (from near to far) |

| | | | |
|----|----------------------------|---------|---|
| 9 | x-axis | 000-255 | Horizontal 540-degree scan |
| 10 | X-axis fine-tuning | 000-255 | Level 2.1-degree fine-tuning |
| 11 | Y-axis | 000-255 | Vertical 270-degree scan |
| 12 | Y-axis fine-tuning | 000-255 | Vertical 2.1 degree fine-tuning |
| 13 | XY velocity | 000-255 | From fast to slow |
| 14 | atomization | 000-255 | 000-255 Atomization cutting into |
| 15 | colorful | 0-255 | 0-127 Multi-colored mirror pops up 128-255 Multi colour Mirror Cuts |
| 16 | Light the lights out Reset | 0-255 | 0-99 inaction 100-105 Turn off the bulb 106-199 inaction 200-205 Light the bulb 206-255 inaction |

For Further assistance, you are requested to contact our office or authorized dealers.
We are there at your service.

Thank You for Choosing Leksa Lighting:

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