

## USER'S MANUAL

### 150W BEAM MOVE HEAD LIGHT



#### Product Instruction

<b>Voltage:</b> AC90V ~ 275V / 50 ~ 60Hz	<b>LED Source:</b> 150W White LED
<b>Control mode:</b> 18 international standardDMX512CH	<b>Beam:</b> effect of angle change of multistage beam
<b>Color temperature:</b> 7500k	<b>Dimming:</b> 0-100% linear adjustment
<b>LED life:</b> Average5000 hours	<b>Beam angle:</b> parallel beam angle 0 ° - 2.3 °
<b>Color disk:</b> 7 colors + white light	<b>Atomizing</b> light angle 8 °
<b>Pattern disk:</b> 1 rotating pattern disk + 1 metal pattern disk <b>pattern disk prism:</b> 1 prism and 3 sides	<b>Strobe:</b> 1-25Hz With Pulse Effect
<b>Lumen value parameter:</b> 20m / 186700lux 40m / 48175lux 60m / 20855lux	<b>Projection range:</b> 540 degrees in X direction, 270 degrees in Y direction, automatic correction and positioning
<b>Appearance:</b> high temperature resistant plastic shell, high strength alloy cold pressed core material	<b>Scanning speed:</b> 3.0 seconds / 540 degrees in X direction, 2.0 seconds / 250 degrees in Y direction
<b>Focus:</b> linear focus	<b>Protection class:</b> IP20
<b>Size of Dimension:</b> 343*239*537mm	<b>Net weight:</b> 14.5KG
<b>Paking Dimension:</b> 46*46*58cm	<b>Grose Weight:</b> 23KG

# Display description

## A. software features:

1. LCD 650000 color touch TFT interface, convenient operation, beautiful interface.
2. The two operation modes of physical button and touch are completely independent and can be used in combination.
3. All operations can be completed independently with physical keys.
4. All operations can be completed by touching independently
5. All operations can be completed by mixing physical keys and touch mode.

## B. high intelligence

For example: during reset, check whether hall and optocoupler are wrong and give a prompt.

## C. reset calibration (zero calibration)

X axis, Y axis, color wheel, pattern disk

# Cable connection (DMX)

**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

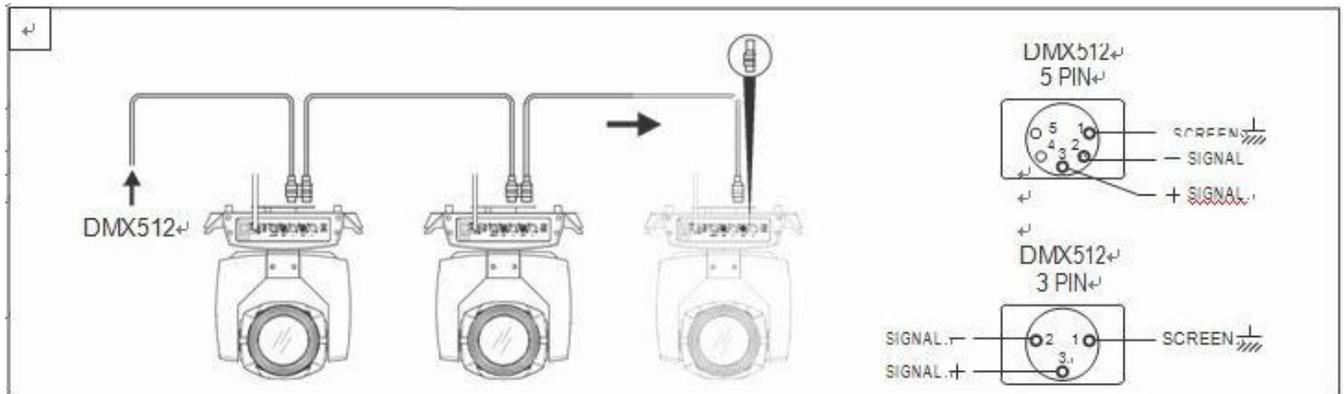


Figure 1 DMX Cable connection

# Rigging (Optional)

**This equipment can be positioned and fixed by clamp in every direction of the stage. Locking system makes it easy to fasten to the bracket.**

**Attention! Two clamps is needed to fix the equipment. Every clamp is locked by fastener of 1/4 kind.**

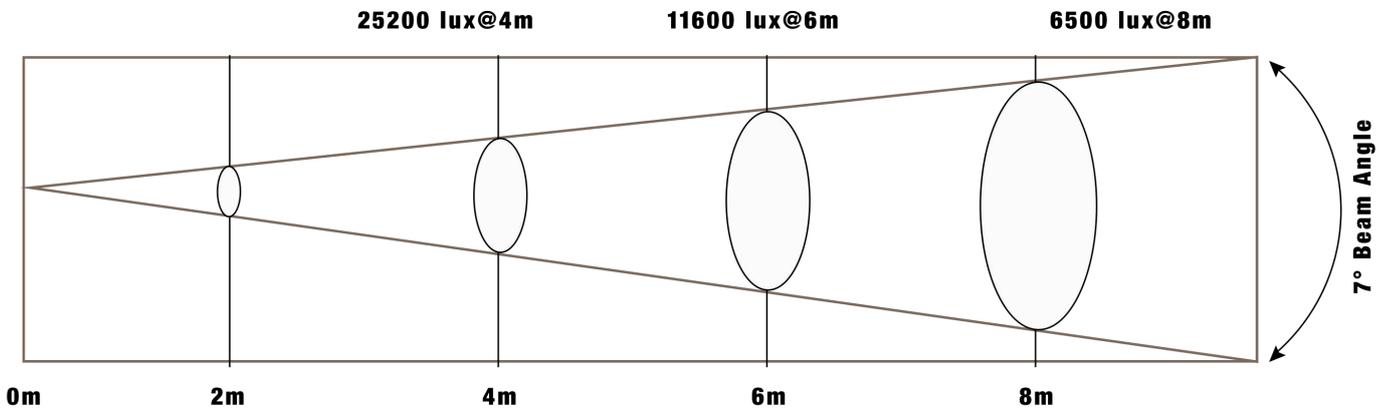
**Fastener can only be locked clockwise.**

**Attention! Fasten a safety string to the additional hole of side aluminum piece. The secondary accessory can not hang on the delivery handle. Nip the equipment on bracket.**

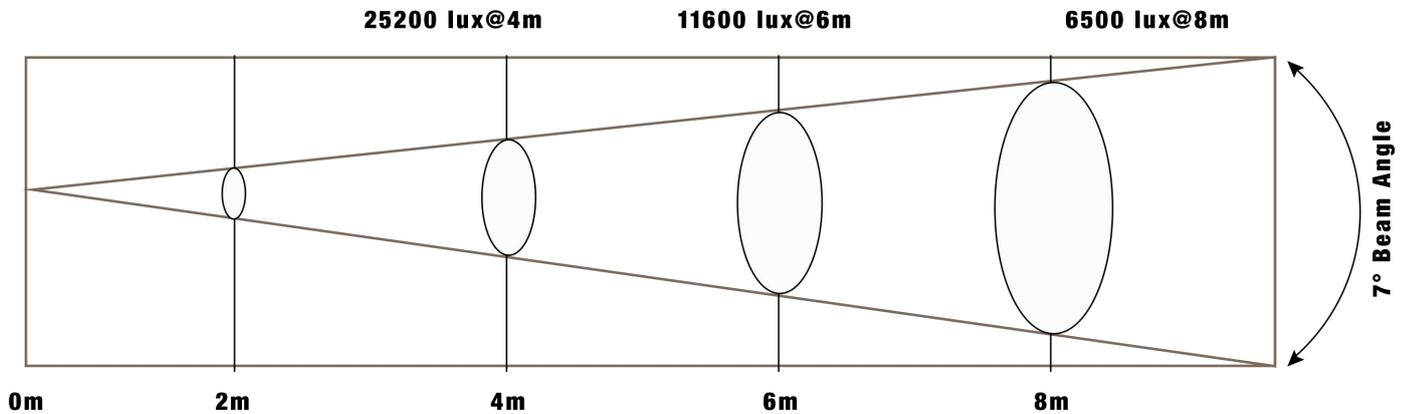
- Check if rigging clamp (not including the one inside) damaged or not? If stand ten times weight as the equipment. Make sure the architecture can stand ten times weight as all the equipments, clamps, wirings and other additional fixtures.
- Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.
- Level the two hanging points at the bottom of clamp. Insert fastener to the bottom, lock the two levers by 1/4 rotating clockwise; then install another clamp.
- Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.
- Make sure pan/tilt lock unlocked or not. Keep the distance more than 1M from equipment to flammable material or lighting source.

## Photometric Data:

Lux Data of 7degree beam angle:



Lux Data of 21 degree beam angle:



<b>Option</b>	<b>Description</b>	
Addre	1-512	<b>1-512 press the "OK" key to enter the editing status.</b>
Set	Run Mode	<b>DMX mode /Sound Mode / Auto Mode</b>
	Fixture ID	<b>Name This ID</b>
	Chanel Mode	<b>18CH</b>
	Inverse Pan	<b>ON/OFF Reverse PAN move.</b>
	Inverse Tilt	<b>ON/OFF Reverse TILT mover.</b>
	Pan-Tilt Swap	<b>Pan-Tilt interchange</b>
	Encoder	<b>Click position error correction</b>
	No signal	<b>Keep or clear Value</b>
	Screen Saver	<b>when panel is idle(these is no operation in 10 second),As 'OFF', keep light up displayer and show main menu 。</b>
	Language	<b>Chinese or English</b>
Load Default	<b>Load factory set</b>	
Check	Manual Drive	<b>Pan/Tilt,Dimer,Color GOBO.....</b>
Calib	Password	
Test	Testing	<b>Used for test light, modify DMX channel data to test function the corresponding function of reference channel function table.</b>
Note	System Info	<b>Current Motor and Version information</b>

CH	Function	BRIEF	Detailed
CH1	Pan	0-255	 <b>0-540°</b>
CH2	Pan fine	0-255	 <b>0-2°</b>
CH3	Tilt	0-255	 <b>0-270°</b>
CH4	Tilt fine	0-255	 <b>0-1°</b>
CH5	P/T speed	0-255	 <b>From fast to slow</b>
CH6	Dimming	0-255	 <b>0-100% dimming</b>
CH7	Strobe	0-3	<b>Turn off the light</b>
		4-103	 <b>From slow to fast pulse stroboscopic</b>
		104-107	<b>Open light</b>
		108-207	<b>From slow to fast</b>
		208-212	<b>Open light</b>
		213-251	<b>From slow to fast random strobe</b>
		252-255	 <b>Open light</b>
CH8	Color	000-009	 <b>White</b>
		010-019	 <b>Red</b>
		020-029	 <b>Green</b>
		030-039	 <b>Blue</b>
		040-049	 <b>Yellow</b>
		050-059	 <b>Pink</b>
		060-069	 <b>Sky Blue</b>
		070-079	 <b>Orange</b>
		080-089	 <b>White &amp; Red</b>
		090-099	 <b>Red &amp; Green</b>
		100-109	 <b>Green &amp; Blue</b>
		110-119	 <b>Blue &amp; Yellow</b>
		120-129	 <b>Yellow &amp; Pink</b>
		130-139	 <b>Pink &amp; Sky Blue</b>
		140-149	 <b>Sky Blue &amp; Orange</b>
		150-159	 <b>Orange &amp; White</b>
		160-204	 <b>Clockwise From slow to fast</b>
		205-210	 <b>White</b>
		211-255	 <b>Anti-clockwise From slow to fast</b>
CH9	Gobo 1#	004-009	 <b>Solid</b>
		010-014	 <b>Bow tie</b>
		015-019	 <b>Circular matrix</b>
		020-024	 <b>Clover</b>
		025-029	 <b>Triangle</b>
		030-034	 <b>Random spot</b>
		035-039	 <b>Hub</b>
		040-044	 <b>Cross</b>
		045-049	 <b>Dot array</b>
		050-054	 <b>Lemon slice</b>
		055-064	 <b>GOBO index</b>
		065-074	 <b>Solid Jitter</b>
		075-084	 <b>Bow tie Jitter</b>
		085-094	 <b>Circular matrix Jitter</b>
		095-104	 <b>Clover Jitter</b>

		105-114 115-124 125-134 135-144 145-154 155-202 203-219 220-255	 <b>Triangle Jitter</b>  <b>Random spot Jitter</b>  <b>Hub Jitter</b>  <b>Cross Jitter</b>  <b>Dot array Jitter</b>  <b>Clockwise From slow to fast</b>  <b>Gobo index</b>  <b>Anti-clockwise From slow to fast</b>	
<b>CH10</b>	Gobo 2#	000-009 010-019 020-029 030-039 040-049 050-059 060-069	 <b>Solid</b>  <b>Vortex</b>  <b>Silhouette</b>  <b>Ice crystal</b>  <b>Dice</b>  <b>Bauhinia</b>  <b>Decorative pattern</b>	<b>Gobo Select</b>
		070-079 080-089 090-099 100-109 110-119 120-129 130-139	 <b>Solid</b>  <b>Weave</b>  <b>Strip shape</b>  <b>Y font</b>  <b>Array</b>  <b>Water Polo</b>  <b>Branch</b>	<b>Jitter Action Slow to fast</b>
		140-202 203-207 208-255	 <b>Forward Rotate( From slow to fast )</b>  <b>No Effect</b>  <b>Reverse Rotate( From slow to fast)</b>	
<b>CH11</b>	Gobo 2#Rotation	0-127 128-191 192-255	 <b>Rotate 360 angel</b>  <b>Forward flow ( From slow to fast)</b>  <b>Reverse flow( From slow to fast)</b>	
<b>CH12</b>	Prism	128-255	 <b>Insert prism</b>	
<b>CH13</b>	PrismRot	0-127 128-191 192-255	 <b>Prism Rotate 90 angel</b>  <b>Prism Rotate slow to fast</b>  <b>Prism Rotate Reverse slow to fast</b>	
<b>CH14</b>	Frost	0-127 128-255	 <b>Remove Frost</b>  <b>Insert Frost</b>	
<b>CH15</b>	Focus	0-255	 <b>Linear Focus</b>	
<b>CH16</b>	Zoom	0-255	 <b>Linear Zoom</b>	
<b>CH17</b>	Funktion	131-220 221-255	 <b>Macro Effect</b>  <b>Sound control</b>	
<b>CH18</b>	Reset	250-255	 <b>Reset system</b>	

# 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 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 months, 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**