



# **USER MANUAL**

## **KMLSP60W**

**KANDOLite®**

# I n d e x

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## Summarize

Thank you for purchasing our LED Moving lighting. Please read these instructions carefully before begin and operate the fixtures according to these instructions to avoid any possible damages and accidents causes by misuse.

## Statement

Thank you choosing our professional KMLSP60W LED moving head light

This user guide includes very important to guarantee the safe and proper use of the light, please read carefully and operate according to the instruction

The moving head light applied advanced design and processing technique, adopted new type high intensity high temperature resistant engineering injected plastics. With modern, streamlined and beautiful outlook.

The product has well capability and intact packing when leaving factory. All the users should comply with above warning item and operation. Any misuses causing the damages are not included in our guarantee. Any dealers won't be responsible for any malfunction & problem owing to ignoring the manual.

Please forgive that we will not notice for technical changing

### Safety Information

! Enquire the skilled people before any repair;

! Always make sure disconnect from the power source before setting up, serving and moving;.

! Avoid direct eye exposure to the fixture when it is on;

## Packing list

- KMLSP60W 1PC
- Power cable
- user manual

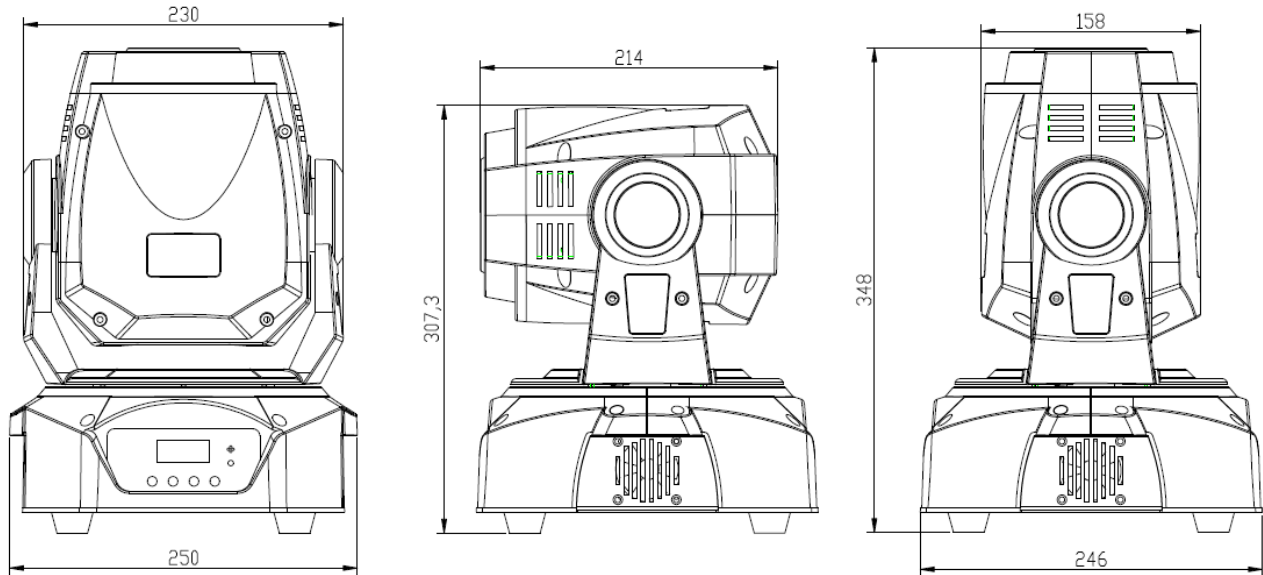
## Safety instruction



- Please consult eligible personas before maintenance
- Please make sure the power supply has been cut off during installation, maintenance, and transportation.
- Please do not use power supply and lamps of different specifications
- During operation, the high temperature the light creates might lead to danger, therefore please don't put any inflammable and explosive things around the light, and please don't touch the light body during operation.
- Make sure there is more than 1 meter between the light and the irradiated objects
- In order to avoid harming your eyes, please don not lock at the light beam directly

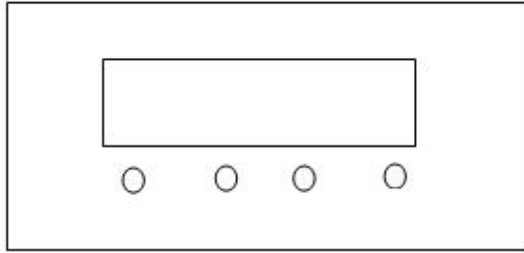
# Installation instruction

## Dimension Diagram



- The product is suitable for indoor use only, operation temperature is below 35 degree
- The installation, operation and maintenance persons must get familiar with the light performance before operation, so that to avoid damage during transportation before first usage
- Before changing the LED module, please make sure the electric power is cut off and the lamp is cooled off. (bulb temperature can reach above 200 degree.)
- Cover the small lid.
- Install the product in well ventilated places and please note to check whether the fan and the fan are unimpeded or not
- Connect the bicolor line (yellow and green) to the ground.

## Display Operation



MENU : access the menu or return to a previous menu option

ENTER : select the current menu option

UP : menu selection or parameter increments

DOWN : menu selection or parameters decrease

- Address code
- Reset
- Auto
- Fast
- Slow
- Sound
- Slave
- Pan reversal
- Tilt reversal
- Channels option
- 9 channels
- 10 channels
- 15 channels
- Load default

## DMX Control Function

Mode 9	Mode 10	Mode 15	DMX value	control function
CH 1	CH 1	CH 1	0 - 255	X : Pan
CH 2	CH 2	CH 2	0 - 255	Y : Tilt
		CH 3	0 - 255	X : Pan, Fine
		CH 4	0 - 255	Y: Tilt, fine
CH 3	CH 3	CH 5	0 - 255	X, Y : Pan / Tilt speed, fast to slow
CH 4	CH 4	CH 6	0 - 255	intensity Zero to full
CH 5	CH 5	CH 7		shutter , strobe
			0 - 7	open
			8 - 250	strobe. Slow to fast
			251 - 255	open
CH 6	CH 6	CH 8		color wheel
			0 - 15	open (white)
			16 - 31	Red
			32 - 47	Green
			48 - 63	Blue
			64 - 79	Yellow
			80 - 95	Rose Red
			96 - 111	Light Green
			112 - 128	Light Blue
			129 - 191	color river (clockwise of rotation, slow to fast)
			192 - 255	color river (anticlockwise of rotation, slow to fast)
CH 7		CH 9		fix gobo wheel
			0 - 6	open (white)
			7 - 13	gobo 1
			14 - 20	gobo 2
			21 -27	gobo 3
			28 - 34	gobo 4
			35 - 41	gobo 5
			42 - 48	gobo 6
			49 - 55	gobo 7
			56 - 62	gobo 8
			63 - 69	gobo 8 (shake slow to fast)
			70 - 76	gobo 7 (shake slow to fast)
			77 - 83	gobo 6 (shake slow to fast)
			84 - 90	gobo 5 (shake slow to fast)
			91 - 97	gobo 4 (shake slow to fast)
			98 - 104	gobo 3 (shake slow to fast)

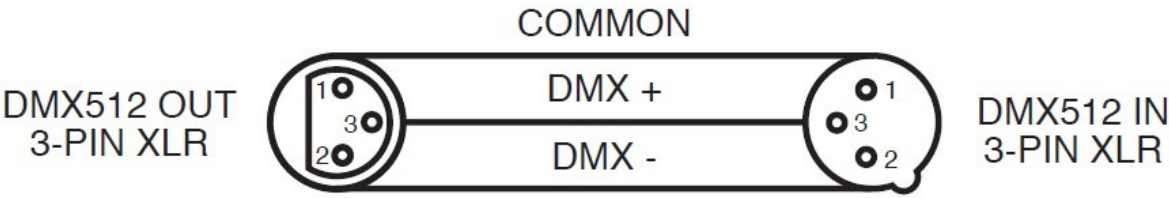
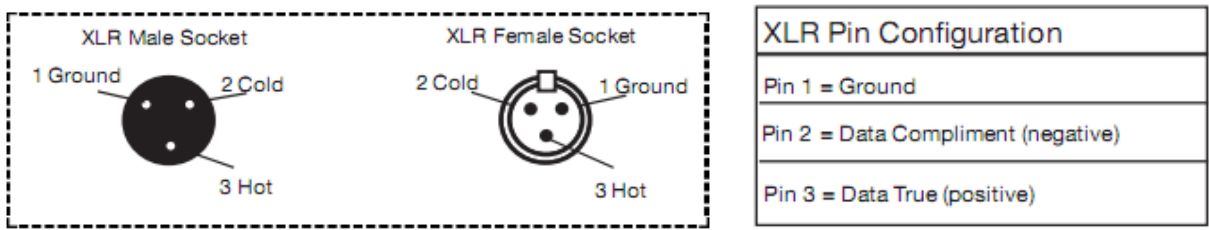
			105 - 111	gobo 2 (shake slow to fast)
			112 - 118	gobo 1 (shake slow to fast)
			119 - 125	open (white)
			126 - 192	gobo river (clockwise of rotation , slow to fast)
			193 - 255	gobo river (anticlockwise of rotation , slow to fast)
				gobo effect wheel
			0 - 18	open (white)
			19 - 37	gobo 1
			38 - 56	gobo 2
			57 - 75	gobo 3
			76 - 94	gobo 4
			95 - 113	gobo 5
			114 - 127	gobo 6
			128 - 191	gobo river (clockwise of rotation , slow to fast)
			192 - 255	gobo river (anticlockwise of rotation , slow to fast)
				gobo rotation effect wheel
			0 - 7	close
			8 -119	gobo clockwise of rotation , slow to fast
			120 - 229	gobo anticlockwise of rotation, slow to fast
			230 - 255	gobo rotation, slow to fast
CH 8	CH 9	CH 12	0 - 255	focus
				Prism
			0- 15	close
CH 9	CH 0	CH 13	16 - 239	Prism , slow to fast
			240 -255	stop
			0 - 249	close
		CH 14	250 - 255	reset
			0 - 127	close
		CH 15	128 - 255	pan, tilt macro program



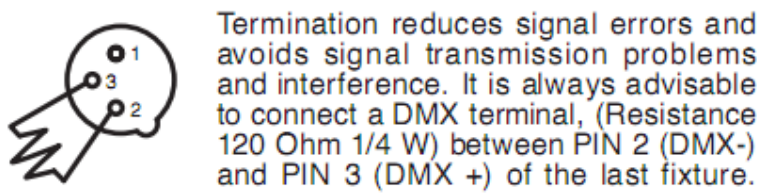
# XLR cable connecting

## XRL cable:

The stand connection way of the XRL is: one end connects to the male plug, and the other connects to the female.



Noted In order to avoid failures and interference signal transmission we connect a resistance120Ω 1/4W at the end of the DMX connecting as below:



## The Conversion between 3pin and 5 pin XLR

If the output cable of DMX512 controller is the 5PIN, please use 1pc 5PIN to 3PIN cable

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

## General troubleshooting

Failure description	measure
Fail to start	◆ Power fuse intact bulb
The normal lamp is not controlled by the controller	◆ Inspect DMX start address setting ◆ Check XLR signal lines
Intermittent working	◆ Inspect the dust and oil of the fans, whether the dust plug fans and nets fans
Dim light, the brightness decrease	◆ Bulbs expiry ◆ Check whether the optical system is clean
Beam impurities (halo)	◆ Clean the dust and old of the light bulbs, lenses and other components
Serious beam distortion	◆ Check whether the lens is rupturing ◆ Cleaning dust or oil

Noted: only professional persons can do as above !

## **Maintenance**

- When the light has broken and other damage should be promptly replace.
- When the light bulb has deformation, the damage should be immediately replaced.
- When the lamp not boot, check whether the lamp power supply fuse blown, such as blown, fuse fitted on the corresponding specifications. Attention to the need to use the same specifications of the fuse. Lamps equipped with overheating protection device.
- When the overheating protection device will automatically cut off power supply.
- When this happens, check whether the normal operation of the fan, fans and whether or not there is dust plug the net to fine out after the start troubleshooting lamps. But take note that qualified technical personnel are allowed to carry out maintenance work.

## **Lamp cleaning**

- In order to ensure reliable use of lamps to maintain clean the lamp is very necessary.
- Cooling fan should be clean once every 15 days.
- Internal and external optical lenses, reflectors and filter cleaning coating must be carried out periodically to optimize light output efficacy.
- Do not use any solvent contacting the chemical constituents of cleaning filter coating.
- Cleaning operation of the lamp, as the frequency and use the surrounding environment, with a soft cloth when cleaning and general cleaning products for cleaning glass, it is recommended at least every 20 days once clean external optical system, at least every 30 / 60 days of a clean internal optical system.

- Do not use alcohol and other organic solvents to clean lamp shell, so as
- to avoid causing damage.

## **Technical Specification**

- Power supply : AC 120v / 230v / 60/50Hz
- Control : DMX 512
- Channels : CH09, CH10 & CH15
- Power consumption : 140w
- Light source : 60w white color LED
- Net weight : 13.5Kg
- General : 15.5Kg

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