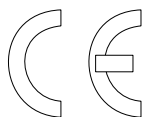


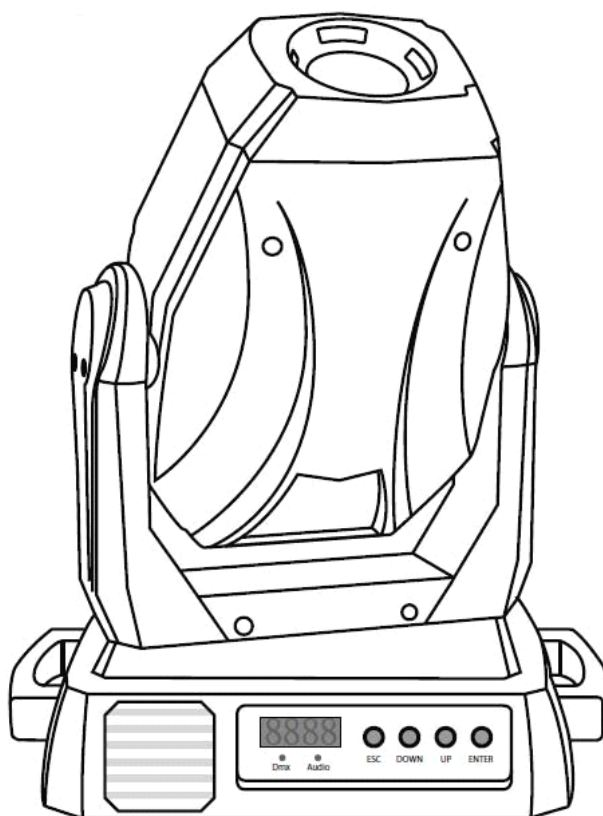
USER MANUAL



EXPOLITE
TourSpot 60

60W MOVING HEAD LED
(12CHANNELS)

Please read over this manual before operating the light



Professional Stage Lighting

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ATTENTION:

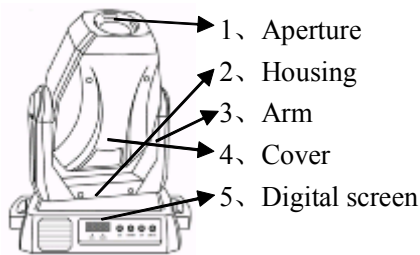
Thank you very much to choose our light! EXPOLITE TourSpot 60 is powerful in functions with “CE”Standard. It has been tested through frequent practice in deferent cases, and well recognized by professional designers in the filed of stage light. It fully shows the modern times light characteristic with good performance, it can be used in all kinds of scenes with need high quality lighting.

Please read this manual carefully before powering or installing the fixture, follow the safety precautions listed below and observe all warnings in this manual.

Warning: Always disconnect from mains supply before replacing the lamp, or not, it will burn the light.

1. Disconnect the fixture from AC power before removing or installing the lamp, fuses, or any part, and when not in using
2. Always make the fixture connected to the ground electrically.
3. Please stop using when it is very hard to use, and check the problem with our agent or factory.
4. If lamp on/off by controller please pays attention to the voltage depressed when open a lot of light in one time.
5. Using Electromagnetic ballast, the second time to open the light should be after 15minutes from the first time.
6. Don't expose the fixture to rain or moisture.

STRUCTURE



EXPOLITE TourSpot 60 moving head is a kind of very powerful computer light and it has gained a very popular approval by the professional light designer after numerous use and strict test on its stability and has already become one of the most successful computer light; it can produce strong and impressive bright light and be suitable for any spot where the clear cast is required; it meets CE standards.

TECHNICAL PARAMETER:

VOLTAGE: AC 220V 50/60Hz

LIGHT SOURCE: 60W LED

POWER CONSUMPTION: 150W

BEAM ANGLE: 18°

RATED LIFE: 60,000~100,000hours

1 COLOR WHEEL: 6 colors+open, half color effect,
bi-directional rainbow effect at variable speed

1 ROTATING GOBO WHEEL: 7 rotating gobos+open, bi-directionally rotating at variable speed

1 PRISM WHEEL: 3-facet prism, bi-directionally rotating, at variable speed

FOCUS: Linearly adjustable

DIMMER: 0~100% linearly adjustable

STROBE: 0~20 flash per second, speed adjustable

PAN AND TILT: Smooth, automatic Pan&Tilt position correction, speed adjustable

RANGE: Pan-540°, Tilt-270°(16-bit)

VECTOR MODE: Color+GOBO+Prism+XY Vector

CONTROL PROTOCOL: DMX 512, 3 pin interface

CHANNELS: 12

DISPLAY: LED, the words can be upside down

PROTECT GRADE: IP20, overheating & overvoltage protection

NET WEIGHT: 8.5KG

GROSS WEIGHT: 11KG

FIXTURE DIMENSION: L325*W250*H401(mm)

PACKING DIMENSION: L405*W385*H435(mm)

DMX 512 CHANNELS:

CHANNEL 1: SHUTTER+STROBE+RESET

CHANNEL 2: DIMMER

CHANNEL 3: COLOR WHEEL

CHANNEL 4: ROTATING GOBO WHEEL

CHANNEL 5: GOBO ROTATION

CHANNEL 6: FOCUS

CHANNEL 7: PRISM+PRISM ROTATING

CHANNEL 8: PAN

CHANNEL 9: PAN FINE

CHANNEL 10: TILT

CHANNEL 11: TILT FINE

CHANNEL 12: PAN & TILT SPEED + VECTOR MODE

CHANNEL 1 IRIS

DMX512 signal 0-255 range	Function
0-10	Shutter off
11-39	Shutter on
40-240	Strobe, slow to fast
241-245	Shutter on
246-250	Reset
251-255	Shutter on

CHANNEL 2 DIMMER

DMX512 signal 0-255 range	Function
0-255	Dark to Bright

CHANNEL 3 COLOR WHEEL

DMX512 signal 0-255 range	Function
0-18	Open
19-37	Color 1
38-56	Color 2
57-75	Color 3
76-94	Color 4
95-113	Color 5
114-127	Color 6
128-191	Rainbow effect, clockwise, fast to slow

192-255	Rainbow effect, anticlockwise, slow to fast
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CHANNEL 4 ROTATING GOBO WHEEL

DMX512 signal 0-255 range	Function
0-15	Open
16-31	Gobo 1
32-47	Gobo 2
48-63	Gobo 3
64-79	Gobo 4
80-95	Gobo 5
96-111	Gobo 6
112-127	Gobo 7
128-191	Rainbow effect, clockwise, fast to slow
192-255	Rainbow effect, anticlockwise, slow to fast

CHANNEL 5 GOBO ROTATING

DMX512 signal 0-255 range	Function
0-127	Rotating Angle
128-191	Clockwise Rotating, slow to fast
192-255	Anticlockwise Rotating, slow to fast

CHANNEL 6 FOCUS

DMX512 signal 0-255 range	Function
0-255	Focus

CHANNEL 7 PRISM+PRISM ROTATING

DMX512 signal 0-255 range	Function
0-4	No Prism
5-19	Prism
20-139	Prism Angle Adjustment
140-197	Clockwise Rotating, fast to slow
198-255	Anticlockwise Rotating, slow to fast

CHANNEL 8 PAN

DMX512 signal 0-255 range	Function
0-255	0-450°

CHANNEL 9 PAN FINE

DMX512 signal 0-255 range	Function
0-255	0-2.1°

CHANNEL 10 TILT

DMX512 signal 0-255 range	Function
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0-255	0-270°
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CHANNEL 11 TILT FINE

DMX512 signal 0-255 range	Function
0-255	0-1.0°

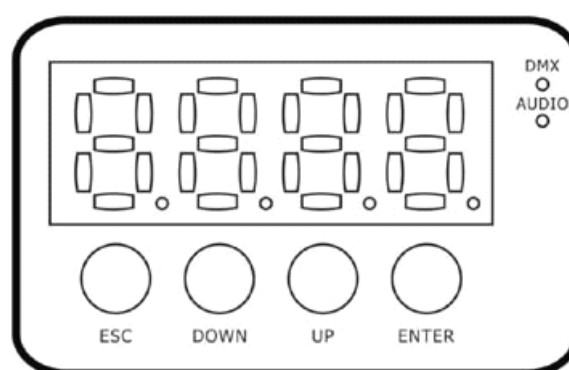
CHANNEL 12 PAN & TILT SPEED + VECTOR MODE

DMX512 signal 0-255 range	Function
0-251	Fast to slow
252-255	Vector mode

Digital display board and address

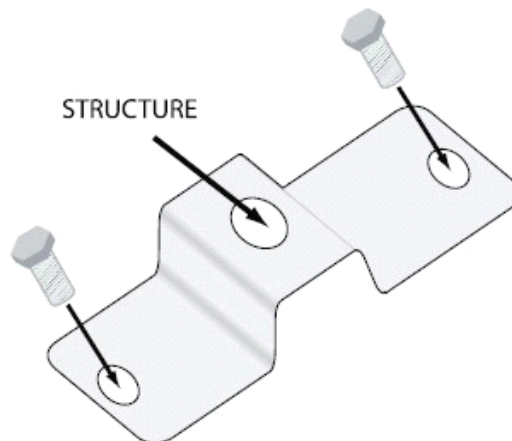
List	Function	Option	Notes
Addr	1-512		DMX 512 address
Complementarity: put through this equipment's power supply. Pls press [UP] into the MENU. And use [UP] & [DOWN] to choose PSEt. Press [ENTER], Press 16bt to choose standard 16BT Mode, or press 16EH to choose extended mode. And then press [ENTER] again, and then [ESC] return to the main menu.			
PAEt	SUAP	ON	Map DMX pan control to tilt channel and vice versa
		OFF	Normal pan and tilt control
	P.INU	ON	Reverse DMX pan control,right-left
		OFF	Normal pan control,left-right
	t.INU	ON	Reverse DMX tilt control, down - up
		OFF	Normal tilt control, up - down
Complementarity: you would use the explanation as above. if you want to make the same address code's equipment to mirror image play, or when the equipment's orientation is not accord with the programmed			
PtSP	nor n		Default pan/tilt speed
	FAST		Maximum pan/tilt speed
	SLoU		Minimum pan/tilt speed
Complementarity: in the occasion of needing this equipment waving very fast. FAST can offer more and more shortcut waving effect.			
PErS	dISP	ON	Display remains on
		tUr n	Turn Indicates Reverse Scroll
		10S	Display extinguishes 10sec.after last key press
	drES	ON	Enable DMX reset command
		OFF	Disable DMX reset command
	ScUt	ON	Effect wheel turn shortest distance
		OFF	Effect wheels do not cross open position
Complementarity: show manual [PErS- dISP]decision the display's apheliotropic is light or not. If need overturn show menu to look through, you may press [up]and [down] key-press simultaneity.			

dFSE	FACt	LOAD	Return all personality settings to factory defaults
INFo	tHrS	tOtL	Total hours of operation with lamp on since manufacture
		rSEt	Hours of operation since counter reset.To reset, display counter and press [up] and [down] for 3sec.
	tLHr	tOtL	Total lamp hours of operation since manufacture
		rSEt	Lamp hours since counter reset.To reset,display counter and press[up] and [down]for 3sec.
	tLSk	tOtL	Total number of lamp strikes since fabriated
		rSEt	Number of lamp strikes since counter reset.To reset, display counter and press [up] &[down]3 seconds
	UEr.	*, *	CPU software edition
PAR	CH.NO		Channels adjustment, 0-255
tESk	SOUr	rUn	Sound control
	AUtO		Auto control
	rSt		Fixture reset



INSTALL THE FIXTURE

1. Make sure that the point of fixing is stable before positioning the light, It must bear more than 10 multiple of the light weight
2. Use two special M10 bolts to fix the fixed-screw, which is in the projector's soleplate, ensure projector can't fall. And, must use rope to tie the projector's handle and other fixing-points when you fix them.
3. when positioning the projector, the distance between the objects that beam hi and the lens of projector should keep more than 1meter, and the minimum distance from the surface of projector to any flammable material should be at least 0.5meters. In order to ensure the light working normally and stably, the ambient temperature must not exceed 35°



Power Supply Mains

Use the provided plug to connect the main power to the projector paying attention to the voltage and frequency marked on the panel of the projector. It is recommended that each projector be supplied separately so that they may be individually switched on and off.

Important

It is essential that each projector is correctly earthed and that electrical installation conforms to all relevant standards. Power consumption of this projector is 150W@220V.

Watchdog system

When the projector is switched on the electronics performing a reset, this function moves the head to an extreme limit point and rotates the internal Colour and gobo wheels thus allowing the microprocessor control system to register the positions of all motor under its control. When the lamp strikes and fires up it can create some noise within the projector that has the potential to disturb the microprocessors. This projector is fitted with an electronic watchdog system that monitors the microprocessor and will initiate a reset if the functioning of the microprocessor has been disturbed. This system ensures that the reset is performed successfully and once completed the projector is ready to receive control instruction and operate without problem.

Delivery

Notice: Open delivery lock before operation.

This is transported in carton.

Things as follows are enclosed:

- User manual
- One additional fixtures
- 2.5 meters signal line
- One safety string

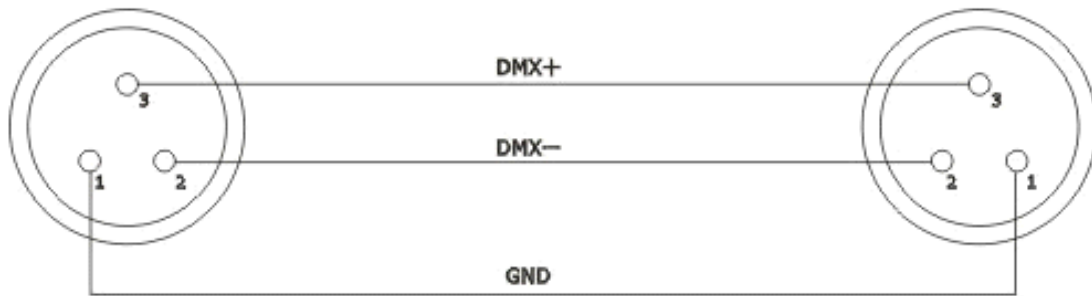
Package

- 1、 Shut off the power supply and cool it.
- 2、 Put the light at the bottom of the case. Do not close the case with heavy strike.

Signal Input

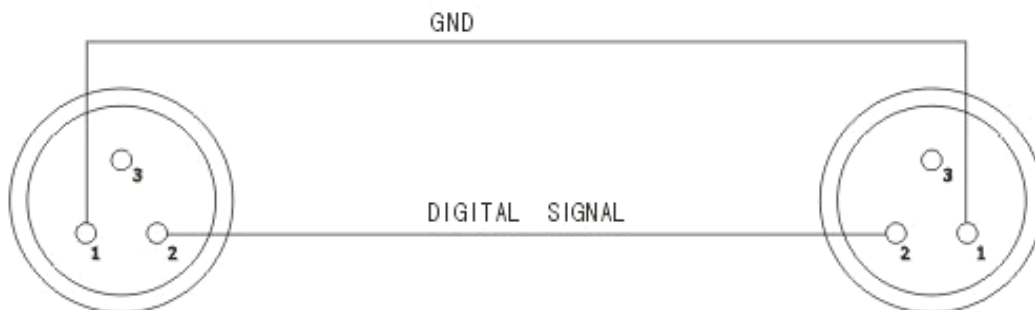
Connecting to the DMX512 control signal line

In case of disturbance during transmission of control signal , please use high-quality connecting line, and insert one terminal into the output socket of the last equipment for signal connecting. (solder one 1/4W120 ohm resistance to 3-pin canon plug on pin 2, pin 3



Connecting to the DMX512 control signal line

Please use high-quality line for connecting in case of disturbance.



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 are 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.

- 1, 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.
- 2, Screws for clamping must be fixed firmly. Take one M12 screw (Grade 8.8 or higher) to clamp bracket, and then screw the nuts.
- 3, 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.
- 4 Install on safety string which stands at least ten times weight as equipment. Terminal of the accessory is designed for clamps.
- 5 Make sure pan/tilt lock opened or not. Keep the distance more than 1 M from equipment to flammable material or lighting source.

Maintenance

Cleaning of lens system

- ◆ Wash exterior and interior optical mirrors to enhance the brightness in regular time, especially when equipment used in messy surroundings. Use mirror cleanser (or alcohol) to wash exterior mirrors in every 15/20 days, 40/60 days for interior focusing prism/reflector.

Safety information

- ◆ Do not separate the light personally.
- ◆ Prevent liquid, water and metal into the equipment.

The equipment not fit for cases below:

- ◆ Relative humidity is too high.
- ◆ Shake and hit
- ◆ Room temperature is above 40 degree or below 0 degree.
- ◆ Relative temperature is below 30 degree or above 80 degree.

Notice:

- ◆ In case of serious problems, stop using the equipment, and refer it to the agent or factory for checking.
- ◆ Do not separate the equipment; there are no accessories for replacing use in it.

-
- ◆ Who to check this equipment must be well qualified.
 - ◆ If the functional controller is used to ignite light, be cautious that the voltage will fall down immediately when many lamps are lighted. The solution to this is lighting the lamps in every five seconds one by one.
 - ◆ When magnetic ballast is used, make sure it is five minutes after the bulb is cooled when relight the lamps. (Electronic ballast can relight by heat)
 - ◆ When pull out the line of power supply, do grip the insulated housing of the plug, do not draw the line directly.

Alarm:

- ◆ Replace the housing, lens and ultraviolet radiation when visible damage takes place, such as cracks.
- ◆ Replace the lamp when damage happens to it or its maximum life is used up.
- ◆ Shut off the power supply when replace lamp, safety box, and any other accessories and when it does not work.
- ◆ Keep the ground switch connected to ground.
- ◆ Power supply must meet the local standard on architecture and electric signal with overload protection and connect to earth.
- ◆ Do not make light beam shine on skin, do not look at the light source directly.
- ◆ Prevent short circuit happening to temperature control switch and safety box. When replace defective fuse, choose approved new fuse of the same type.
- ◆ Keep the distance more than 1 M from equipment to flammable material (such as cloth, wood, paper).
- ◆ Keep the distance 0.1 M from fan to vent.
- ◆ When housing of equipment feels very hot, cool it for 5 minutes before operation.
- ◆ Advise you to choose accessories produced by us when install and replace.
- ◆ Whenever install or move equipment, set an alarm to prevent others entering job site.
- ◆ Do not put your hand between side arm and light structure when light working. (shown in picture 1 by arrow)
- ◆ Keep the optical system clean. Make the maintenance according to this manual when use in messy and dusty environment
- ◆ Luminous flux will decrease once the mirror gets covered by fatness or dust.

Solutions to problems

Phenomenon of power supply

- ◆ Lamp does not light, motor does not work itself.
When reset, indicator light of On/Off does not light.
- ◆ Lamp lights, reset, but one of the protocols out of control.
- ◆ Lamp not in stable control for lighting.
- ◆ Light spot not bright enough.
- ◆ Lamp lights, then black out, and lights again in a while.

Causes:

- ◆ Power supply not in normal state, not well connected, the fuse breaks up.
- ◆ Control line not connected, or connected not to the right address code, please check the address code.
- ◆ Voltage is too low, lamp close to using up
- ◆ Lamp close to using up, optical mirror not clean.
Overheating protection, please check if cooling system is blocked or not.