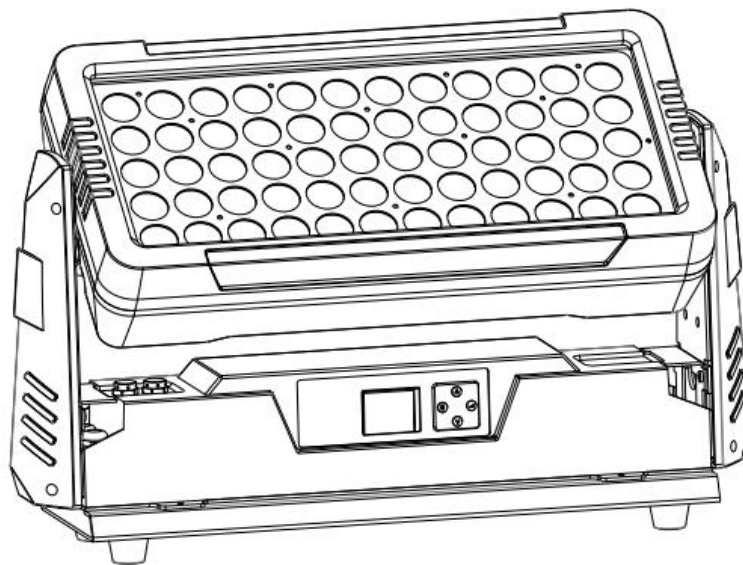


Thunder P60 IP

User Manual



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TECHNICAL PARAMETERS

Light source

Light source: Middle 24*10W White LED+24*8W RGBS 4in1 LED;

Both sides 360*1W RGBA 4in1

Lamp life: ≥50000 hours

Input voltage: AC100-240V ,50-60Hz

Full power :450W±5%,Power factor PF≥0.95

Optical

Beam angle: 25°

Controls

Housing: Die-casting aluminum, powder-coated finish

Control: DMX 512, 4/6/9CH

Control Mode: DMX, Auto, Master/Slave mode

Display: LCD color display with 4 touch buttons

Effect

Dimmer: 0-100%

Strobe: 0-20Hz

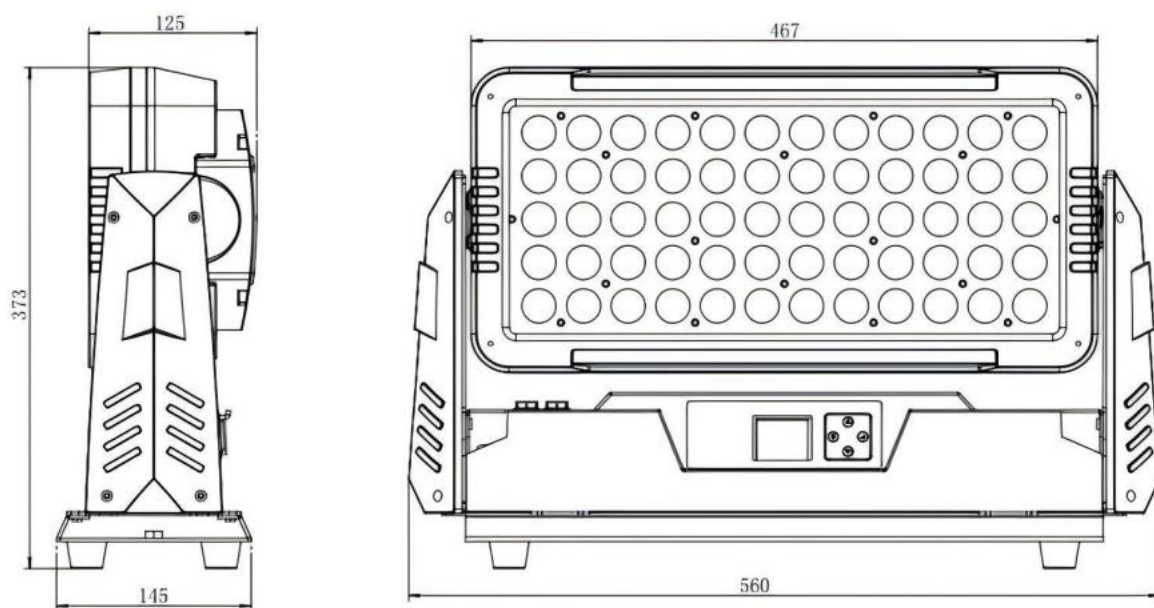
Construction

Protection Rating: IP65

Weight&Dimension

N. W: 16KG

SIZE DRAWING



Part 1 PRODUCT

1.1 Product introduction

This product is designed for indoor/outdoor use. Suitable applications include wash or effect lighting for architectural, stage or nightclub applications. This product can also be installed for use in signage and advertising using the dynamic functions available with DMX512 control. Direct input of DMX512 signal allows the units to be controlled from any DMX512 controller. This product can be operated as a single unit or in multiple units for large applications.

1.3 Safety Warning

IMPORTANT:

ALWAYS READ THE USER MANUAL BEFORE OPERATION. PLEASE CONFIRM THAT THE POWER SUPPLY STATED ON THE PRODUCT IS THE SAME AS THE MAINS POWER SUPPLY IN YOUR AREA.

- This product must be installed by a qualified professional.
- Always operate the equipment as described in the user manual.
- A minimum distance of 0.5m must be maintained between the equipment and combustible surface.
- The product must always be placed in a well ventilated area.
- Always make sure that the equipment is installed securely.
- DO NOT stand close to the equipment and stare directly into the LED light source.
- Always disconnect the power supply before attempting and maintenance.
- Always make sure that the supporting structure is solid and can support the combined weight of the products.
- The earth wire must always be connected to the ground.
- Do not touch the power cables if your hands are wet.

ATTENTION:

- This product left the place of manufacture in perfect condition. In order to maintain this condition and for safe operation, the user must always follow the instructions and safety warnings described in this user manual.
- Avoid shaking or strong impacts to any part of the equipment.
- Make sure that all parts of the equipment are kept clean and free of dust.
- Always make sure that the power connections are connected correct and secure.
- If there is any malfunction of the equipment, contact your distributor immediately.
- When transferring the product, it is advisable to use the original packaging in which the product left the factory.
- Shields, lenses or ultraviolet screens shall be changed if they have become damaged to such an extent that their effectiveness is impaired.
- The lamp (LED) shall be changed if it has become damaged or thermally deformed.

PART 2 INSTALLATION

2.1 Mounting:

2.1-1 Hanging

The product can be mounted in a hanging position using the supporting bracket. The bracket should be secured to the mounting truss or structure using a standard mounting clamp. Please note that when hanging the unit a safety cable should also be used.

2.1-2 Upright

The product can be mounted in an upright or sitting position using the supporting brackets.

NOTE:

The product can be mounted at any angle and in any position. It is possible to further adjust the angle of the product using the two adjustment knobs located on the side of the fixture.

2.2 Special construction for DMX connection

☆ At last fixture, the DMX cable has to be terminated with a terminator to reduce signal errors. Solder a 120-ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

☆ If the controller is 5-pin output, it's necessary to use an adaptor to transfer signal from 5-pin output to 3-pin XLR-plug or you can connect cables as following:

3-PIN TO 5-PIN CONVERSION CHART

Conductor	3 Pin Female (Output)	5 Pin Male (Input)
Ground/Shield	Pin 1	Pin 1
Data (-) signal	Pin 2	Pin 2
Data (+) signal	Pin 3	Pin 3
Not used		Pin 4
Not used		Pin 5

PART 3 Display Panel Operation

3.1 Display panel menu instruction



[MENU] menu selection or return to previous menu.



[ENTER] confirm current function setting.



[UP] press [UP] through the menu list to increase/change the value of the current function.



[DOWN] press [DOWN] through the menu list to decrease/change the value of the current function.

3.2 Display Menu instruction (general)

Main Menu	Sub-Menu1	Sub-Menu 2	Instruction
Address	001-512		DMX address, 001-512
Manual	Red	000-255	Red Brightness 000-255
	Green	000-255	Green Brightness 000-255
	Blue	000-255	Blue Brightness 000-255
	White	000-255	White Brightness 000-255
	Dimmer	000-255	Dimmer, 000-255
	Strobe	000-255	Strobe, speed 000-255
Auto	7 color	000-099	7 colors change
	7 fade	000-099	7 colors fade
	7 breathe	000-099	7 color pulse
	Strobe 1	000-099	Strobe 1
	Strobe 2	000-099	Strobe 2
Setting	DMX Person	4CH/6CH/ 9CH	Channel mode: 4CH /6CH/9CH
	Display INV	ON	Display Inverse ON
		OFF	Display Inverse OFF
	Back light	OPEN	Back light keep opening
		30S	Back light 30S OFF
		60S	Back light 60S OFF
	Dimmer Mode	DIM1	Dimmer mode 1
		DIM2	Dimmer mode 2
		DIM3	Dimmer mode 3
		DIM4	Dimmer mode 4
	Fan Mode	AUTO	Fan Auto
		HIGH	Fan high speed
		LOW	Fan low speed
	KEY Lock	OFF	Key Lock OFF
		ON	Key Lock ON, After turn ON this function, enter the password UP DOWN UP DOWN UP DOWN UP DOWN then press ENTER to enable key operation
	Default	NO	Factory Reset NO
		YES	Factory Reset YES
Language	English		Language English
	Chines		Language Chinese
Info	VER:02		Software version
	RUN TIME		Running time

DMX Channel instruction

4C H	6C H	9C H	Function	Value	Instruction
	1	1	Dimmer	0-255	Dimmer, from dark to bright
	2	2	Strobe	0-12	No function
				13-255	Strobe from slow to fast
1	3	3	Red Dimming	0-255	Red Dimming, from dark to bright
2	4	4	Green Dimming	0-255	Green Dimming, from dark to bright
3	5	5	Blue Dimming	0-255	Blue Dimming, from dark to bright
4	6	6	White Dimming	0-255	White Dimming, from dark to bright
		7	Color Selection	0-31	No function
				32-63	Red
				64-95	Green
				96-127	Blue
				128-159	White
				160-191	Red+Green
				192-223	Red+Blue
				224-255	Green+Blue
		8	Macro Function	0-50	No function
				101-150	Color Change
				151-200	Color Gradual
				201-255	Color Pulse
		9	Speed	0-255	Speed from slow to fast

REMARK

The product has perfect performance and integrity packing.

All users should be strictly comply with the warning and operating instructions as stated.

Or we aren't in charge of any result by misusing.

Any damage resulting by misuse is not within the Company's warranty.

Any fault or problem caused by neglecting the manual is also not in the charge of dealers.

Errors and omissions for every information given in this manual excepted.

All information is subject to change without prior notice.