

Thunder P44 IP

User Manual



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TECHNICAL PARAMETERS

Light source

Voltage: AC100-240V, 50/60Hz

Power: 480W

Light Source: 44X10W RGBW 4in1 LED

Lifespan: around 100,000 hours

Optical

Beam angle: 25°

Controls

Control: DMX 512, 4/8CH

Control Mode: DMX, Auto, Master/Slave mode

Effect

Dimmer: 0-100%

Strobe: 0-20Hz

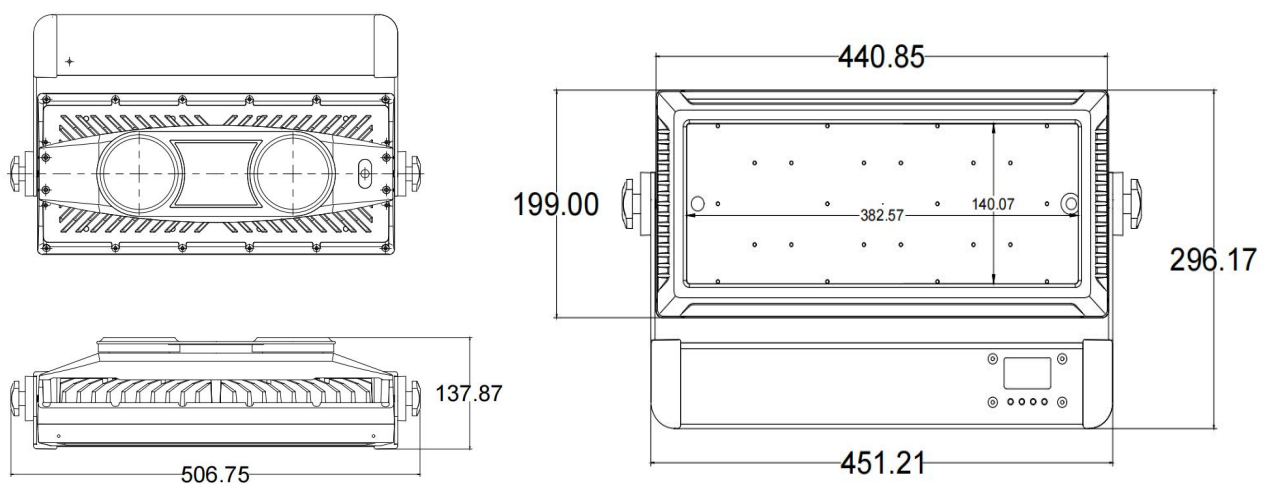
Construction

Protection Rating: IP65

Weight&Dimension

N. W: 12.5KG

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.

1.2 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 Display Panel Operation

2.1 Display panel menu instruction



MODE UP DOWN ENTER

[MENU] menu selection or return to previous menu.

[ENTER] confirm & quit out 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.

2.2.Display Menu instruction (general)

No.	Menu	Item 1
1	DMX-8CH D: 001	DMX address (001—512)
2	DMX-4CH/8CH	Select Channel mode (4CH/8CH)
3	Jump D: 099	Color jump change (0-99)
4	Gradient D: 099	Color gradual change (0-99)
5	Color R D: 255	Red brightness adjustment (0-255)
6	Color G D: 255	Green brightness adjustment (0-255)
7	Color B D: 255	Blue brightness adjustment (0-255)
8	Color W D: 255	White brightness adjustment (0-255)

PART 3 INSTALLATION

3.1 Mounting:

3.1-1 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

3.1-2 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.

3.2 DMX Channel instruction

8 Channel Mode 1

Channel	Name	Value	Description
1	Dimmer	0-255	0-100% Intensity
2	Strobe	0-255	Strobe effect from slow to fast
3	Function	0-50	No function
		51-100	Color jump change
		101-150	color gradual change
		151-255	color pulse change
4	Speed control		from slow to fast
5	Red	0-255	0-100% Red
6	Green	0-255	0-100% Green
7	Blue	0-255	0-100% Blue
8	White	0-255	0-100% White

4 Channel Mode 2

Channel	Name	Value	Description
1	Red	0-255	0-100% Red
2	Green	0-255	0-100% Green
3	Blue	0-255	0-100% Blue
4	White	0-255	0-100% White

3.3 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 4 Maintenance

The cleaning of internal must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days.
- Clean the internal optics at least every 30/60 days – Up to vary products.

Please ask professional technical to clean waterproof products and make sure the fixture will be reassembled well for waterproof.

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.