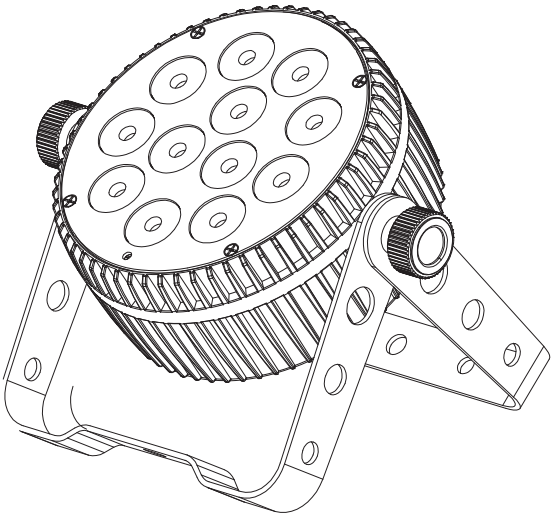
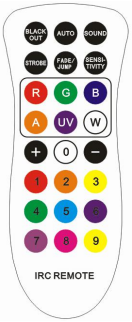
Hybrid

HSS 12.6





DMX CONTROL

MASTER / SLAVE

SOUND to LIGHT

IR CONTROL

User Manual

Please read the instructions carefully before use

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1. Safety Introductions

WARNING

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

- Please keep this User Manual for future consultation. If you sell the fixture to another user, be sure that they also receive this instruction booklet.
- Unpack and check carefully there is no transportation damage before using the fixture.
- Before operating, ensure that the voltage and frequency of power supply match the power requirements of the fixture.
- It's important to ground the yellow/green conductor to earth in order to avoid electric shock.
- Disconnect main power before servicing and maintenance.
- Use safety chain when fixes this fixture. Don't handle the fixture by taking its head only, but always by taking its base.
- Maximum ambient temperature is Ta : 40℃. Don't operate it where the temperature is higher than this.
- In the event of serious operating problem, stop using the fixture immediately. Never try to repair the fixture by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Do not connect the device to any dimmer pack.
- Do not touch any wire during operation and there might be a hazard of electric shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The housing must be replaced if they are visibly damaged.
- Do not look directly at the LED light beam while the fixture is on.

Warning

- To prevent or reduce the risk of electrical shock or fire, do not expose the unit to rain or moisture.
- Do not open the unit within five minutes after switching off.
- The housing, the lenses, or the ultraviolet filter must be replaced if they are visibly damaged.

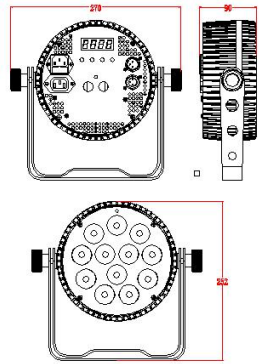
Caution

There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs yourself. In the unlikely situation, your unit may require service, please contact your nearest dealer.

2. Technical Specifications

Slim PAR 6in1 IR With 12pcs 10W(6 IN 1 RGBWAV) color high brightness LEDs

- power supply：220-240Vac / 50-60Hz
- fuse：F3A/250V
- Power consumption：96W
- Channel：6 / 10 DMX channels
- Operation mode:Auto, sound Activated, DMX512, Master/Slave, IR remote control
- Dimension：L270×W252×H90mm
- Weight：3kg



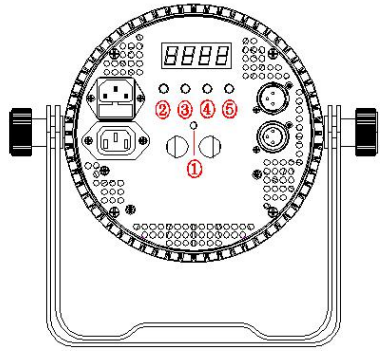
3. Installation

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

4. How To Set The Unit

4.1 Control Panel



①Microphone: Receive music for the sound active.

② MENU: To selected functions

③ UP: Increase parameter

④ DOWN: decrease parameter

⑤ ENTER: Enter submenu

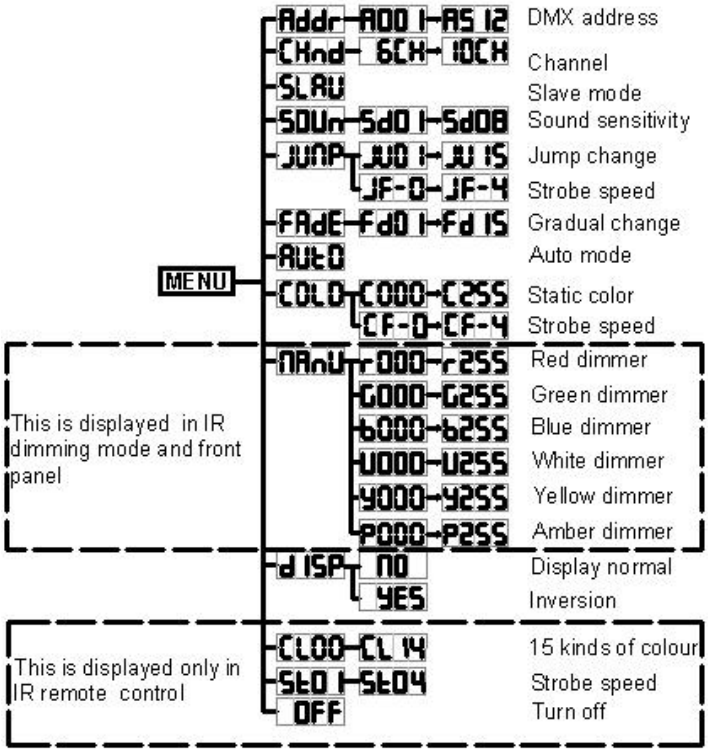
Note:

(1)In 30 seconds, if no button was pressed,the LED display will turn off. Press any button will turn on the LED display again.The parameter will not change when the LED display is turned on at first.

(2)Whenever has any button be pressed, program will save all parameter after 2 seconds,

(3)No matter what the program in which mode,once to detect the DMX or SLAVE signal, the program will jump into DMX or SLAVE mode automatically. Then,if DMX or SLAVE signal was disconnect, the program will return to the original mode.

4.2 Main Function Chart



5. How to control the fixture

(1)Black Out Turn on /off

(2)Auto Auto show

(3) Sound Sound active

(4) Strobe Only JUMP, and

Static color mode(The corresponding button is 0~9),

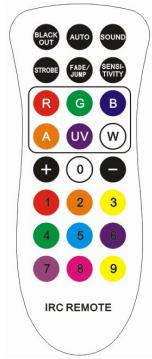
this button has effectivity.

(5) Fade/JUMP: Gradual change mode/Jump change mode switch

(6) Sensitivity: sound sensitivity adjust

(7) R Red dimmer in the dimming mode

(8) G Green dimmer in the dimming mode



(9) B Blue dimmer in the dimming mode

(10) A Amber dimmer in the dimming mode

(11) UV Purple dimmer in the dimming mode

(12) W White dimmer in the dimming mode

(13) + Increase parameter(include strobe speed adjust,sound sensitivity adjust,color select,adjust the brightness of R,G,B,W,A,UV Gradual change speed adjust,jump change speed adjust).

(14) R/G/B/A/UV/W/1~9 the device show the same color as the button' s color in the monochromatic mode

(15) — Reduce parameter(include strobe speed adjust,sound sensitivity adjust,color select,adjust the brightness of R,G,B,W,A,UV Gradual change speed adjust,jump change speed adjust).

(16) 0 Function switch(Dimming mode and monochromatic mode)

6. DMX512 Configuration

6 channels Mode:

Channel	Value	Function
CH1	0-255	RED dimmer
CH2	0-255	GREEN dimmer
CH3	0-255	BLUE dimmer
CH4	0-255	WHITE dimmer
CH5	0-255	Amber(Yellow) dimmer
CH6	0-255	Purple(UV) dimmer

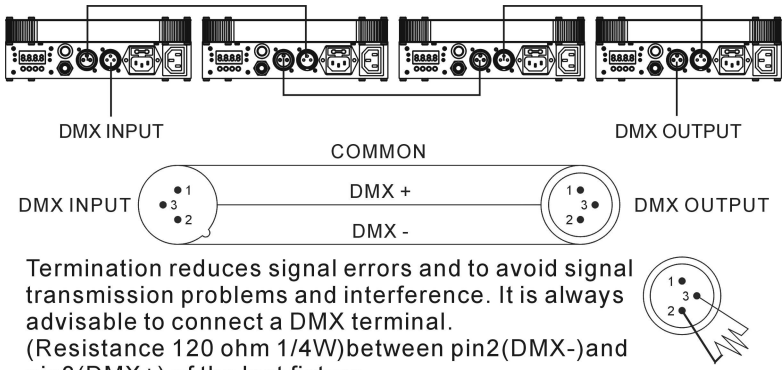
10 channels Mode:

Channel	Value	Function
CH1	0-255	Master dimmer
CH2	0-255	RED dimmer
CH3	0-255	GREEN dimmer
CH4	0-255	BLUE dimmer
CH5	0-255	WHITE dimmer
CH6	0-255	Amber(Yellow) dimmer
CH7	0-255	Purple(UV) dimmer
CH8	0-255	Strobe speed ajustable (0: strobe off) in the static color and jump speed mode.In the gradual mode, the eighth channel does not work.
CH9	0-255	Static color,Jump speed,Gradual speed or sound sensitivity

CH10	0-59	Custom control by DMX512
	60-119	Static mode
	120-179	Jump change mode
	180-239	Gradual change mode
	240-255	Sound mode

7. DMX512 Connections

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal.
(Resistance 120 ohm 1/4W)between pin2(DMX-)and pin3(DMX+) of the last fixture.

1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. Connect the fixture together in a “daisy chain” by XLR plug cable from the output of the fixture to the input of the next fixture. The cable cannot be branched or split to a “Y” cable. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system
3. The DMX output and input connectors are pass-through to maintain the DMX circuit when one of the units’ power is disconnected.
4. 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.
5. Each lighting fixture needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to

1).

6. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin1: GND, Pin2: Negative signal (-), Pin3: Positive signal (+)
   5 pin XLR: Pin1: GND, Pin2: Negative signal (-), Pin3: Positive signal (+)
   Pin4/5: Not Used.

8. Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The fixture does not work, no light

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the fixture or the previous one.
4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some fixtures don't respond to the easy controller

1. You may have a break in the DMX cabling. Check the LED for the response of the master/ slave mode signal.
2. Wrong DMX address in the fixture. Set the proper address.

D. No response to the sound

1. Make sure the fixture does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.

9. Fixture Cleaning

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.