# MAD PAR HEX 4S

Congratulations to the purchase of this product. Please read this manual thoroughly prior to using the product in order to benefit fully from all features.

Read the manual prior to using the product. Follow the instructions in order not to invalidate the warranty. Take all precautions to avoid fire and/or electrical shock. Repairs must only be carried out by a qualified technician in order to avoid electrical shock. Keep the manual for future reference.

- Prior to using the product, please ask advice from a specialist. When the unit is switched on for the first time, some smell may occur. This is normal and will disappear after a while.
- The unit contains voltage carrying parts. Therefore do NOT open the housing.
- Do not place metal objects or pour liquids into the product. This may cause electrical shock and malfunction.
- Do not place the product near heat sources such as radiators, etc. Do not place the unit on a vibrating surface. Do not cover the ventilation holes.
- The product is not suitable for continuous use.
- Be careful with the mains lead and do not damage it. A faulty or damaged mains lead can cause electrical shock and malfunction.
- When unplugging the product from a mains outlet, always pull the plug, never the lead.
- Do not plug or unplug the unit with wet hands.
- If the plug and/or the mains lead are damaged, they need to be replaced by a qualified technician.
- If the product is damaged to such an extent that internal parts are visible, do NOT plug the unit into a mains outlet and DO NOT switch the product on. Contact your dealer. Do NOT connect the product to a rheostat or dimmer.
- To avoid fire and shock hazard, do not expose the product to rain and moisture.
- All repairs should be carried out by a qualified technician only.
- Connect the product to an earthed mains outlet (220-240Vac/50Hz) protected by a 10-16A fuse.
- During a thunderstorm or if the product will not be used for a longer period of time, unplug it from the mains. The rule is: Unplug it from the mains when not in use.
- If the product has not been used for a longer period of time, condensation may occur. Let the unit reach room temperature before you switch it on.
- Never use the product in humid rooms or outdoors.
- During operation, the housing becomes very hot. Do not touch it during operation and immediately after.

- To prevent accidents in companies, you must follow the applicable guide lines and follow the instructions.
- Secure the product with an extra safety chain if the unit is ceiling mount. Use a truss system with clamps. Make sure nobody stands in the mounting area. Mount the effect at least 50cm away from inflammable material and leave at least 1 meter space on every side to ensure sufficient cooling.
- This product contains high intensity LEDs. Do not look into the LED light to prevent damage to your eyes.
- Do not repeatedly switch the product on and off. This shortens the life time.
- Keep the unit out of the reach of children. Do not leave the unit unattended.
- Do not use cleaning sprays to clean switches. The residues of these sprays cause deposits of dust and grease. In case of malfunction, always seek advice from a specialist.
- Only operate the product with clean hands.
- Do not force the controls.
- If the product has fallen, always have it checked by a qualified technician before you switch the product on again.
- Do not use chemicals to clean the unit. They damage the varnish. Only clean the product with a dry cloth.
- Keep away from electronic equipment that may cause interference.
- Only use original spares for repairs, otherwise serious damage and/or dangerous radiation may occur.
- Switch the product off prior to unplugging it from the mains and/or other equipment. Unplug all leads and cables prior to moving the product.
- Make sure that the mains lead cannot be damaged when people walk on it. Check the mains lead before every use for damages and faults!
- The mains voltage is 110-240Vac/50Hz. Check if power outlet match. If you travel, make sure that the mains voltage of the country is suitable for this product.
- Keep the original packing material so that you can transport the product in safe conditions

This mark attracts the attention of the user to high voltages that are present inside the housing and that are of sufficient magnitude to cause a shock hazard.

This mark attracts the attention of the user to important instructions that are contained in the manual and that he should read and adhere to.

**DO NOT LOOK DIRECTLY INTO THE LENS**. This can damage your eyes. Persons who are subject to epileptic attacks should be aware of the effects that this light effect may have on them.

The product has been certified CE. It is prohibited to make any changes to the product. They would invalidate the CE certificate and their guarantee!

**NOTE:** To make sure that the unit will function normally, it must be used in rooms with a temperature between 5°C/41°F and 35°C/95°F.

Electric products must not be put into household waste. Please bring them to a recycling centre. Ask your local authorities or your dealer about the way to proceed. The specifications are typical. The actual values can slightly change from one unit to the other. Specifications can be changed without prior notice.
prior notice.

# UNPACKING INSTRUCTION

**CAUTION!** Immediately upon receiving the product, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damage from shipping or the package itself shows signs of mishandling. Save the package and all packing materials. In the event that the product must be returned to the factory, it is important that the product be returned in the original factory box and packing.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

# POWERSUPPLY

On the label on the backside of the product is indicated on this type of power supply must be connected. Check that the mains voltage corresponds to this, all other voltages than specified, the light effect can be irreparably damaged. The product must also be directly connected to the mains and may be used. No dimmer or adjustable power supply.

⚠ Always connect the device to a protected circuit (circuit breaker or fuse). Make sure the device has an appropriate electrical ground to avoid the risk of electrocution or fire.

# RECHARGEABLE BATTERY OPERATION

Prior to operating the device off mains for the first time, the rechargeable battery must be fully charged.

1 Switch on the device with the power switch. The operating time of the battery depends on the operating mode and the ambient temperature. After the operation, switch the device off.

2 For charging the battery, connect the device to a power outlet via the enclosed adapter (12.6Vdc 2A). The device may be operated during the charging procedure.

3 The device features a protective circuit for charging which prevents overload of the rechargeable battery. However, disconnect the device from the mains after charging. Otherwise there will be a low current consumption even if the device is switched off.

4 The device will heat up during charging; this is normal.

5 To prevent damage to the battery by deep discharge, recharge a battery completely discharged as soon as possible. Do not store the unit with the battery completely discharged and regularly recharge the battery in case of long storage.

# INSTALLATION

⚠ **CAUTION:** Please consider the respective national norms during the installation! The installation must only be carried out by an authorized employee or dealers! ⚠

**Attention:**

- The installation of the product has to be built and constructed in a way that it can hold 10 times the weight for 1 hour without any harming deformation.
- The installation must always be secured with a secondary safety attachment, e.g. an appropriate catch net. This secondary safety attachment must be constructed in a way that no part of the installation can fall down if the main attachment fails.
- Make sure the area below the installation place is free from unwanted persons during rigging, de-rigging and servicing.
- The operator has to make sure that safety-relating and machine-technical installations are approved by an expert before taking into operation for the first time and after changes before taking into operation another time.
- The operator has to make sure that safety-relating and machine-technical installations are approved by a skilled person once a year.
- The fixture should be installed in the position where persons cannot reach and where persons may walk by or be seated.

⚠ **CAUTION:** When installing the device, make sure there is no highly in inflammable material (decoration articles, etc.) in between a distance of min 0.5 meter. ⚠

# IR Remote control instructions :

### BLACK OUT Mode

Press <BLACK OUT> off existing modes. Press <BLACK OUT> return the last modes.

### AUTO Mode

Automatic mode will enable you to run the automatic programs on the product.

To turn on Automatic mode:

1. Press <AUTO> on the remote controller.

2. Press <+> or <–> to choose between the different auto programs.

### SOUND Mode

Sound-Active mode will enable the product to respond to the music.

To turn on Sound-Active mode:

1. Press <SOUND> on the remote controller.

2. Press <+> or <–> to choose between the different sound programs.

### STROBE Mode

To adjust the strobe speed of the automatic program and the sound active program.

1. Press <STROBE> on the remote controller.

2. Press <+> or <–> to either increase or decrease the speed of the program.

3. Press <STROBE> again to turn off the strobe.


### FADE   Mode

It is a color gradient mode.

1. Press <FADE> on the remote controller.

2. Press <FADE> again to turn off the Fade mode.

3. Press <+> or < - > to either increase or decrease the speed of the program.


### MANUAL Mode

1. Press <MANUAL> on the remote controller.

2. Press <R>, <G>, <B>, <W>, <A> or <UV> (red, green, blue,white, amber or uv) to choose your colour.

3. Press again <R>, <G>, <B>, <W>, < A> or <UV> (red, green, blue, white, amber or uv) to close your colour. 4. Press <+> or <–> to either increase or decrease the percentage of each colour.


### % Mode

Adjust the birghtness of RGBWAUV color , ,press the $1^{st}$ time , it is 10% brigtness , press the $2^{nd}$ time , it is 20% birghtness ......,press the $10^{th}$ time , it is 100% bightness .


### NUMBER 0~9

To adjust the brightness value of the automatic program, the Sound active program and Manual Mode.

Press digit <1> to <9> to change different brightness on the device.

The remote control is supplied with a battery inserted. An insulating foil between the battery and the battery contacts prevents the battery from being discharged during storage. Prior to the first operation remove the foil from the battery support on the rear side of the remote control. Otherwise operation of the remote control is not possible.

### SENSITIVITY Mode

To adjust sound sensitivity for in Sound-Active mode

1. Press <SENSITIVITY> on the remote controller.

2. Press <+> or <–> to either increase or decrease sound sensitivity.

### SPEED Mode

No function

# Wireless DMX Control instructions :

## Set up wireless DMX

The fixture needs to be paired from the wireless DMX transmitter. Follow below steps to pair.
**Step 1**: Connect the DMX512 controller to the wireless DMX transmitter.
**Step 2**: Switch on the device , turn on the wireless DMX control on from control panel 'rfon'
**Step 3**: Set the device to DMX mode. (AXXX or dXXX)
**Step 4**: Switch off the device. Press and hold the 'DMX select' button whilst switching on the fixture. Once the fixture turns on the 'wireless status' light will be lit white and the unit will be in "setup mode".
**Step 5**: The 'wireless indicator' will be lit to a specific colour to indicate the protocol being used for the transmission as shown in TABLE1. Pressing the button will cycle through the colours and once you want to set the protocol pressing the button for more than 1s will save the protocol. The transmitters, receivers and transceivers will remember the protocol used even after a power cycle with their built in memory chip.
Now you need to setup as for WDMX mode or EL mode

**Protocols** TABLE1

| Color | Protocol |
|---|---|
| RED | ELDMX Transmit and receive |
| GREEN | W-DMX Receive |
| BLUE | W-DMX G3 Transmit |
| YELLOW | W-DMX G4 Transmit |
| PURPLE | GZ Receive * ( * Receiver only) |

## Using W-DMX mode

**Transmitters**
Pressing the button momentarily will connect to all unconnected receivers in the coverage area.
Pressing the button for more than 3s will disconnect all receivers in the coverage area.
**Receivers**
Pressing the button for more than 3s will disconnect the device with a transmitter.
**NOTE:**
The colour of the light will indicate the group as shown in Table2.
The receiver will not connect with a new transmitter unless it is disconnected first.

**W-DMX Status Indicators** TABLE2

| Protocol | Action | Description |
|---|---|---|
| W-DMX Receive | White | No connection |
| | Red | Deleting Connection |
| | Red Fast Flash | Connection Lost |
| | Green Fast Flash | Connecting to Transmitter |
| | Green Slow Flash | Connected but no DMX signal |
| | Green | Connected with DMX signal |
| W-DMX Transmit | Red | Deleting All Receivers |
| | Blue Fast Flash | Connecting with the receivers |
| | Blue Slow Flash | No DMX input |
| | Blue | Transmitting DMX |

## Using EL wireless DMX mode

### Changing Channel Group

Pressing the Button will show you the current channel group being used and pressing it again will cycle through the
groups. The colour of the light will indicate the group as shown in Table3.

### Status Indicators TABLE3

| Protocol | Action | Description |
|---|---|---|
| ELDMX / GZ | Solid color (red,green,blue yellow,cyan,magenta,white) | 1 of the 7* color groups (*7th white only in GZ mode,6in WIDMX modes) |
| | Flashing Red | Transmitting DMX |
| | Flashing Green | Receiving DMX |

## Setting DMX512 console channel address:

After starting DMX512 console, etc. LCD display console initialization has been completed, press Program key, until the top of the light is flashing, then press the button below channel 1, channel 1 indicator light DMX512 console's address is 10000000, to promote channel faders can be DMX512 console control. Choose DMX512 address consistent with DIP, light to enter the DMX512 control console for the state. The products selected as 10000000 DMX512 console take effect.

## 6.Key Description:



**MENU:** Access the menu

**DOWN:** "reduction key" or "key under the selected"; decrease the value function down menu.

**UP:** "add key" or "selection on the key"; increase the value function, shift on the menu

**ENTER:** Is used to select and confirm/store the current selection

## Menu Display:

| No | Display Show | Numerical value | Function and description |
|---|---|---|---|
| 1 | d001 | 001- 512 | DMX512 address setting -6-channel mode |
| 2 | A001 | 001- 512 | DMX512 address setting -10-channel mode |
| 3 | _100 | 000-100 | Percentage of electricity displayed |
| 4 | S-SL | SL / FA | DMX512 dimming speed setting<br>SL: slow dimming;   FA: fast dimming |
| 5 | d-Ho | Ho / oF | DMX signal loss processing mode setting:<br>Ho: keep the last DMX signal state;<br>oF: Turn off all LEDs |
| 6 | rFon | ON-OF | Wireless dmx control |
| 7 | Iron | ON-OF | IR remote control |
| 8 | r255 | 000 - 255 | Red dimming ，from dark to bright |
| 9 | G255 | 000 - 255 | Green dimming ，from dark to bright |
| 10 | b255 | 000 - 255 | Blue dimming ，from dark to bright |
| 11 | u255 | 000 - 255 | White dimming ，from dark to bright |
| 12 | Y255 | 000 - 255 | Amber dimming ，from dark to bright |
| 13 | P255 | 000 - 255 | UV dimming ，from dark to bright |
| 14 | I255 | 000-255 | IR remote control brightness |
| 15 | FF00 | 000 - 255 | Strobe，speed from slow to fast |
| 16 | CL01 | 000-255 | 15 kinds static color selectable |
| 17 | CC12 | 00- 15 | Color jumping，speed from slow to fast |
| 18 | DE15 | 00- 15 | Color Gradual change，speed from slow to fast |
| 19 | CP15 | 00- 15 | Color Pulse change，speed from slow to fast |
| 20 | SU15 | 00- 15 | Sound control ,Voice sensitivity from low to high. |
| 21 | WIFI | / | WIFI APP control mode |
| 22 | t 30 | 00-99 | Current temperature display<br>when not used the dislpay will show : t --- |
| 23 | VEr1 | / | Version number |
| 24 | rSEt | ON-OF | Reset |

# DMX512 Controller Channel Function:

## 10 Channel:

| Channel | Function | Description |
|---|---|---|
| CH1 | R dimming | Red dimming ，from dark to bright |
| CH2 | G dimming | Green dimming ，from dark to bright |
| CH3 | B dimming | Blue dimming ，from dark to bright |
| CH4 | W dimming | White dimming ，from dark to bright |
| CH5 | A dimming | Amber dimming ，from dark to bright |
| CH6 | UV dimming | UV dimming ，from dark to bright |
| CH7 | Master Dimmer | RGBWAUV master dimmer, from dark to bright |
| CH8 | Master strobe | RGBWAUV master strobe ,from slow to fast |
| CH9 | Function selection | 0—50：no function<br>51—100：15 kinds of color output., controlled by CH10<br>101—150：Color jumping；<br>151—200：Color Gradual change；<br>201—250：Color Pulse change；<br>251-255：Sound control |
| CH10<br>((Ch9 set 051-100)) | 000-015 | N Function |
| | 016-031 | R |
| | 032-047 | G |
| | 048-063 | R+G |
| | 064-079 | B |
| | 080+095 | R+B+UV |
| | 097+111 | G+B |
| | 113+127 | R+G+B+A+UV |
| | 129+143 | W |
| | 145+159 | R+W |
| | 160+175 | G+W |
| | 176+191 | R+A |
| | 192+207 | B+W+UV |
| | 208+223 | R+B+W+UV |
| | 224+239 | G+B+W |
| | 240+255 | R+G+B+W+A+UV |
| CH10<br>(Ch9 set 101-150) | 000-255 | Select auto run speed for (CC, dE and CP) from slow to fast |
| CH10<br>(Ch9 set 251-255) | 000-255 | Select sound sensitivity level for sound active mode (SU) form low to high |

## 6 Channel:

| Channel | Function | Description |
|---|---|---|
| CH1 | R dimming | Red dimming ，from dark to bright |
| CH2 | G dimming | Green dimming ，from dark to bright |
| CH3 | B dimming | Blue dimming ，from dark to bright |
| CH4 | W dimming | White dimming ，from dark to bright |
| CH5 | A dimming | Amber dimming ，from dark to bright |
| CH6 | UV dimming | UV dimming ，from dark to bright |

## Technical Specifications :

- Light Source: 4 x 12W Hex RGBWA+UV LEDs
- (6in1 Red Green Blue White Amber and UV LEDs)
- Smooth RGBWA+UV Color Mixing Programs
- Built-in Wireless DMX Technology
- Rapid Recharge Time: 3 hours
- 6 & 10 DMX Channels       Beam Angle: 40 °
- Master/ Slave      DMX in/out via RJ45
- Multi-voltage Operation: 110-240V, 50HZ/60HZ
- Dimension:   6.88" x 6.88" x 6.67" / 175 x 175 x 195 mm
- Weight:   4.6 lbs   / 2.1 kgs
- Made in P.R.C.

## Customer Service

The JMAZ Lighting Customer Service department is dedicated to ensuring that your ordering, purchasing, and delivery experience is second to none. If you have any problem with your order, please give us an opportunity to make it right. You can contact JMAZ lighting Customer Service representative via email support@jmazlighting.com or call us at (626) 380-0883.