SHEHDS®

Lights and Expertise

USER'S MANUAL

Aluminum Alloy LED Par 18x18W Light



FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY

BEFORE YOU INITIAL START - UP!

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1-Maintenance

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

During the operation the housing becomes hot). Allow the fixture to cool approximately 20 minutes prior to manipulate with it.

Make sure that the available voltage is not higher than stated on the rear panel.

to completely remove power from unit when not in use or before cleaning or servicing the fixture.

Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power cord.

This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to earth.

The electric connection, repairs and servicing must be carried out by a qualified employee.

Do not connect this device to a dimmer pack.

Do not switch the fixture on and off in short intervals as this would reduce the fixture's life.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

Do not touch the device's housing bare hands during its operation (housing becomes hot)!

For replacement use fixtures and fuses of same type and rating only.

CAUTION!

Be careful with your operations.

With a high voltage you can suffer a dangerous electric shock when

touching the wires!

2-Operating determination

Attention: The powerCON is a connector without breaking capacity, i.e. the powerCON should not be connected or disconnected under load or live!

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.

Before switching the fixture OFF, turn the fixture OFF and allow the fixture to cool for a while.

Never run the device without fixture!

Do not shake the device. Avoid brute force when installing or operating the device.

Never lift the fixture by holding it at the projector-head, as the mechanics may be damaged. Always hold the fixture at the transport handles.

When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others!

The minimum distance between light output and the illuminated surface must be more than 8 meters.

Make sure that the area below the installation place is blocked when rigging, derigging or servicing the fixture.

Always fix the fixture with an appropriate safety rope. Fix the safety rope at the correct holes only.

Only operate the fixture after having checked that the housing is firmly closed and all screws are tightly fastened.

The fixture must never be ignited if the objective-lens or any housing-cover is open, as discharge fixtures may

explode and emit a high ultraviolet radiation, which may cause burns.

The maximum ambient temperature 45°C must never be exceeded.

3-Attention Item

1.For guarantee the life of product,please do not put it on the wet place and not use it the place over 40 degree.

2.Please don't lay the product on the un-fixable or shakable place.

3.Ask for the professional to maintain the product in order to avoid the danger of get an electric shock.

4.Power supply should not be changed over +&-10% while the light is using,it will be decreased the life of fixture if the power is too high,but it will be influenced the luminosity if the power is too low.

5.After power off,if it is need used again,please cool down over 20 minuter.

6.Please look round the manual for ensure the product can be used normally.

4-Rigging the fixture

A structure intended for installation of the fixture(s) must safely hold weight of the fixture(s) placed on it.The structure has to be certificated to the purpose.

The fixture (fixtures) must be installed in accordance with national and local electrical and construction codes and regulation.

For overhead installation, the fixture must be always secured with a safety wire that can bear at least 10 times the weight of the fixture

When rigging, derigging or servicing the fixture staying in the area below the installation place, on bridges,under high working places and other endangered areas is forbidden.

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.

Allow the fixture to cool for ten minutes before handling.

The projector should be installed outside areas where persons may walk by or be seated.

IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE

including calculating working load limits, installation material being used, and periodic safety inspection of all installation material and the projector. If you lack these qualifications, do not attempt the installation yourself, but use a help of professional companies.

CAUTION: Fixtures may cause severe injuries when crashing down! If you have doubts concerning the safety of a possible installation, do not install the fixture!

The fixture has to be installed out of the reach of public.

The fixture must never be fixed swinging freely in the room.

Danger of fire !

When installing the device, make sure there is no highly inflammable material (decoration articles, etc.) in a distance of min. 1 m.

The minimum distance of 8 meters between light output from the moving head and the lit objects must be kept!

CAUTION!

Use 2 appropriate cfixtures to rig the fixture on the truss.

Follow the instructions mentioned at the bottom of the base.

Make sure that the device is fixed properly! Ensure that the structure (truss) to which you are attaching the fixtures is secure.

The fixture can be placed directly on the stage floor or rigged in any orientation on a truss without altering its operation characteristics.

For securing a fixture to the truss, install two safety wires which can hold at least 10 times the weight of the fixture. Use only the safety wires with screw-on carabines.

5-DMX-512 connection

The fixture is equipped with both 3-pin sockets for DMX input and output.The sockets are wired in parallel.

Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

DMX - output

XLR mounting-sockets (rear view):



1 - Shield
2 - Signal (-)
3 - Signal (+)

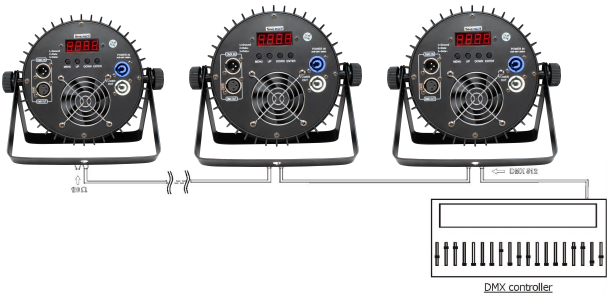
DMX-input

XLR mounting-plugs (rear view):



1 - Shield
2 - Signal (-)
3 - Signal (+)

Building a serial DMX-chain:



Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected. Up to 32 fixtures can be connected.

Caution: At the last fixture, the DMX-cable has to be terminated with a terminator.

Solder a 120 Ω resistor between Signal (–) and Signal (+) into a 3-pin (5-pin) XLR-plug and plug it in the DMX-output of the last fixture.

6-Technical Specifications

Voltage: AC100-240V,50/60Hz	**Ambient temperature:** -20°C-40°C
Output Power: 18x18W	**Dimmer:** 0-100% Linear dimmer
Drive Current: 2A	**Lumens:** 413x20000Lux
Light source: LED RGBWA UV 6in1	**Shell Material:** Die-cast Aluminum
Strobe: Flash rate 0--25HZ	**Product Size:** 20x20x8 cm
Control mode: DMX512/Master-Slave/Auto/Sound	**Product weight:** 2.6 kg
Channel: 6/10 CH	**Package Size:** 27x24x12cm
Beam Angle: 40 Degrees	**Package weight:** 3.45k
Waterproof level: IP20 Outdoor	

7-Maintenance and cleaning

It is absolutely essential that the fixture is kept clean and that dust, dirt and smoke-fluid residues must not build up on or within the fixture. Otherwise, the fixture's light-output will be significantly reduced. Regular cleaning will not only ensure the maximum light-output, but will also allow the fixture to function reliably throughout its life.

A soft lint-free cloth moistened with any good glass cleaning fluid is recommended, under no circumstances should alcohol or solvents be used!

DANGER !

Disconnect from the mains before starting any maintenance work

The front objective lens will require weekly cleaning as smoke-fluid tends to building up residues, reducing the light-output very quickly.The cooling-fans should be cleaned monthly. The interior of the fixture should be cleaned at least annually using a vacuum-cleaner or an air-jet.

Remove dust and dirt from the fans and cooling vents using a soft brush and vacuum-cleaner.

Important! Check the air filters periodically and clean before they become clogged!

Clean two air filters placed in the fixture´s covers and two in the fixture base. Use a vacuum cleaner, compressed air or you can wash them and put back dry.

8-Replacing the fuse.

Before replacing the fuse, unplug mains lead.

1. Remove the fuse holder on the rear panel of the base with a fitting screwdriver from the housing(anti-clockwise).
2. Remove the old fuse from the fuse holder.
3. Install the new fuse in the fuse holder (only the same type and rating).
4. Replace the fuse holder in the housing and fix it.

Checking plastic parts of the fixture.

The plastic parts of the fixture should be checked for damages and beginning cracks at least every two months.

In addition, the plastic part of the front lens has to be checked mechanically (by means of movement by the plastic part) if it is firmly fastened to the fixture. If hint of a crack is found on some plastic part, do not use the fixture until the damaged part will be replaced.

Cracks or another damages of the plastic parts can be caused by the fixture transportation or manipulation and also ageing process may influence plastic materials.

This checking is necessary for both fixed installations and preparing fixtures for renting. Any free moving parts inside of the fixture head, cracked plastic or any plastic part of front lens not sitting properly in place need to be immediately replaced.

9-Control menu



- [MENU] used to move back to the previous screen
- [UP] used to move up on the previous page.
- [DOWN] used to move down on the next page.
- [ENTER] used to save adjusted values, to leave menu or to perform desired action.

Turn on the fixture, press the MENU button to enter the menu mode, use the UP/DOWN button to find the menu, when the preset menu is displayed on the display, press the ENTER button to confirm, use the UP/DOWN button to select the submenu, press the ENTER button to save the setting or Automatically return to the previous menu. Press the MENU button to return, or wait for 30 seconds to automatically exit the menu mode.

10-Control menu map

Menu	Value	Function
A001-A512	1-512	10 channel DMX Address
d001-d512	1-512	6 channel DMX Address
r000-r255	0-255	Red Dimmer
G000-G255	0-255	Green Dimmer
b000-b255	0-255	Blue Dimmer
w000-w255	0-255	White Dimmer
Y000-Y255	0-255	Amber Dimmer
P000-P255	0-255	Violet Dimmer
FH01-FH99	01-99	Flash /Strobe
cL01-cL08	01-08	Color Choice
cc01-cc99	01-99	Color jump change
dE01-dE99	01-99	Color Gradual change
cP01-cP99	01-99	Color pulse change
SoU1-SoU9	1-9	Sound Control mode

11-DMX settings

Enter the MENU mode, select DMX settings, press the ENTER button to confirm, use the UP/DOWN buttons to select: DMX address code, DMX channel mode, DMX last state or observe DMX channel value.

12-DMX address code

Select the DMX address code, press the ENTER button to confirm, the current DMX address will be displayed on the display. Use the UP/DOWN button to select the address 001~512, and press the ENTER button to save. Press the MENU button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

13-DMX last state

Select the last state of DMX, press the ENTER button to confirm, the current mode will be displayed on the display, select by the UP/DOWN button: standby (the machine will enter standby mode when the DMX signal stops), hold (the machine will keep the last when the DMX signal stops the machine) State) or manual (after selecting this mode, the machine will automatically read the parameters in the "manual mode" mode for operation), press the ENTER button to save. Press the MENU button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

14-Observe the DMX channel value

Select to observe the DMX channel value, press the ENTER button to confirm, the current channel and its value will be displayed on the screen. Use the UP/DOWN button to view other channel values. Press the MENU button to return to the previous menu or wait 30 seconds to automatically exit the menu mode.

15-Sound control mode

Select SoU 1-SoU9 press the ENTER button to confirm, the current mode will be displayed on the display, and use the UP/DOWN button to select: 1 or 9, press the ENTER button to run mode. wait 30 seconds to automatically exit the menu mode.

DMX Channel Summary-10 Channels Mode		
Channel	**Value**	**Function**
CH1	0-255	Total 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 Dimmer
CH7	0-255	Violet Dimmer
CH8	0-255	Strobe
CH9	0-250	Macro mode
	251-255	Sound control mode
CH10	0-250	Macro speed

DMX Channel Summary-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 Dimmer
CH6	0-255	Violet Dimmer