

## 9 MAINTENANCE AND CLEANING

The following points have to be considered during the inspection:

- 1) All screws for installing the devices or parts of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, color lenses, fixations and installation spots (ceiling, suspension, trussing).
- 3) Mechanically moved parts must not show any traces of wearing and must not rotate with unbalances.
- 4) The electric power supply cables must not show any damage, material fatigue or sediments.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



### CAUTION

Disconnect from mains before starting maintenance operation.



In order to make the lights in good condition and extend the life time, we suggest a regular cleaning to the lights.

- 1) Clean the inside and outside lens each week to avoid the weakness of the lights due to accumulation of dust.
- 2) Clean the fan each week.
- 3) A detailed electric check by approved electrical engineer each three month, make sure that the circuit contacts are in good condition, prevent the poor contact of circuit from overheating.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

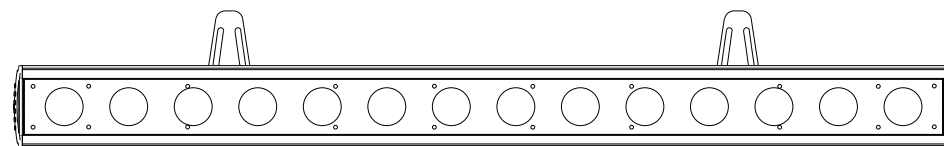
There are no serviceable parts inside the device. Please refer to the instructions under "Installation instructions".

Should you need any spare parts, please order genuine parts from your local dealer.

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# STECHNICS

## BARSHOW 1210RGBAW



CE   IP20 t<sub>a</sub>:40°C t<sub>c</sub>:100°C

# User Manual

KEEP THIS MANUAL FOR FUTURE NEEDS

# 1 SAFETY INSTRUCTIONS



## CAUTION

Becareful with your operations. With a dangerous voltage you cansuffer a dangerous electric shock when touching wires!

This device has left the factory in perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.



## IMPORTANT

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

If the device has been exposed to temperature changes due to environmental changes, do not switch it on immediately. The arising condensation could damage the device. Leave the device switched off until it has reached room temperature.

This device falls under protection-class I. Therefore it is essential that the device be earthed.

The electric connection must carry out by qualified person.

The device shall only be used with rate voltage and frequency.

Make sure that the available voltage is not higher than stated at the end of this manual.

Make sure the power cord is never crimped or damaged by sharp edges. If this would be the case, replacement of the cable must be done by an authorized dealer.

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.

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

Please don't project the beam onto combustible substances.

Fixtures cannot be installed on combustible substances, keep more than 50cm distance with wall for smooth air flow, so there should be no shelter for fans and ventilation for heat radiation.

If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.

# 8 DMX CHANNELS

## 4 Channels Mode

Channel	Function	Instruction
CH1	R Dimmer	Dimmer- Dark to Bright
CH2	G Dimmer	Dimmer- Dark to Bright
CH3	B Dimmer	Dimmer- Dark to Bright
CH4	W Dimmer	Dimmer- Dark to Bright

## 8 Channels Mode

Channel	Function	Instruction
CH1	Total Dimmer	RGBW Total Dimmer- Dark to Bright
CH2	R Dimmer	Red Dimmer- Dark to Bright
CH3	G Dimmer	Green Dimmer- Dark to Bright
CH4	B Dimmer	Blue Dimmer- Dark to Bright
CH5	W Dimmer	White Dimmer- Dark to Bright
CH6	Total Strobe	RGBW Total Flash Strobe- Slow to Fast
CH7	Function Choice	000~050: CH1-CH6 Control. 051~100: Different Colors output 101~150: Colors Jump Change. 151~200: Colors Gradate. 201~250: Colors Pulse Change. 251~255: Sound-Active
CH8	Function/Speed	Slow to Fast (At the Colors output choose the color)



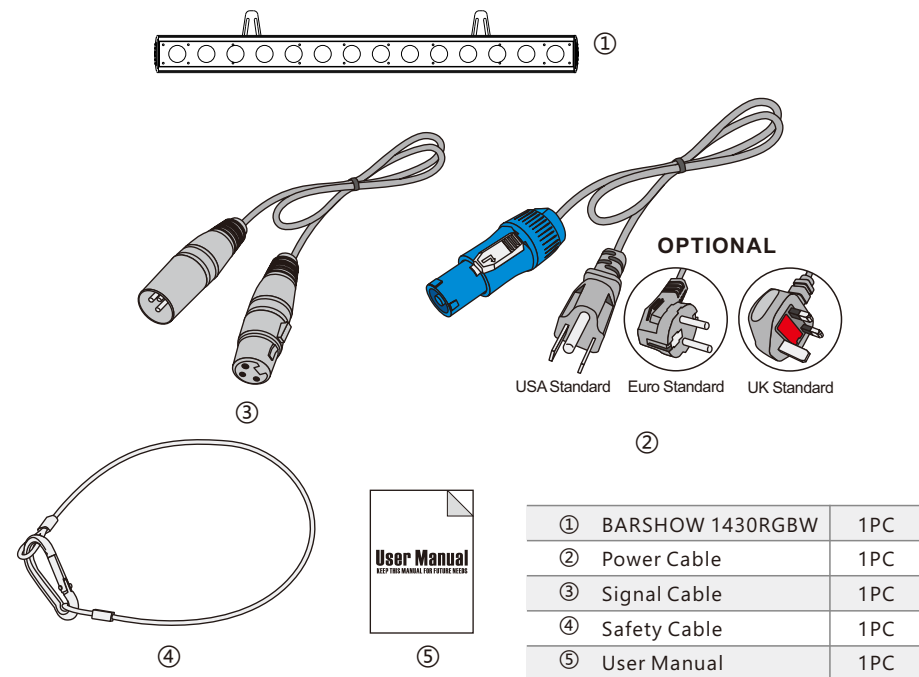
No	Show	Function	Value	Instruction
1	<b>d001</b>	DMX address	001~512	4CH mode,UP,DOWN increase or reduce the value,
2	<b>A001</b>	DMX address	001~512	8CH mode UP,DOWN increase or reduce the value
3	<b>r255</b>	Red dim	000~255	UP,DOWN Change brightness
4	<b>G255</b>	Green dim	000~255	UP,DOWN Change brightness
5	<b>b255</b>	Blue dim	000~255	UP,DOWN Change brightness
6	<b>u255</b>	White dim	000~255	UP,DOWN Change brightness
7	<b>F255</b>	Strobe	010 ~ 255	UP,DOWN change the speed
9	<b>CC15</b>	Colors Jump	00 ~ 15	UP,DOWN change the speed
10	<b>DE15</b>	Colors Gradate	00 ~ 15	UP,DOWN change the speed
11	<b>CP15</b>	Colors Pulse	00 ~ 15	UP,DOWN change the speed
12	<b>SoUd</b>	Colors sound-Active	/	Sound-Active

## 2 UNPACKING

Thank you for choosing our BARSHOW 1210RGBW. For your own safety, please read this manual before installing the device. This manual covers the important information on installation and applications. Please install and operate the fixture with following instructions. Meanwhile, please keep this manual well for future needs.

The BARSHOW 1210RGBW is made of a new type of high temperature strength of aluminum casing with nice outlook. The fixture is designed and manufactured strictly following CE standards, complying with international standard DMX512 protocol. It's available independently controlled and linkable with each other for operation. And it is applicable for large-scale live performances, theater, studio, nightclubs and discos.

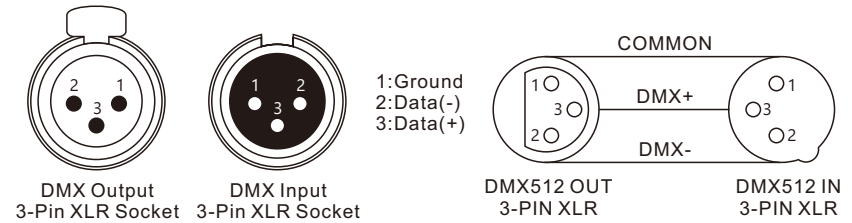
The BARSHOW 1210RGBW adopts 12PCS 10W 4-IN-1 LEDs (RGBW) which features high brightness and stability. Please carefully unpack it when you receive the fixture and check whether it is damaged during the transportation. And please check whether the following items are included inside the box:



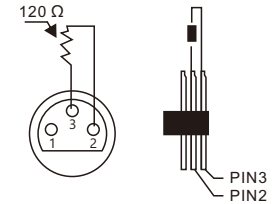
### 3 FEATURES & SPECIFICATIONS

#### Features

- 12\*10W 4-in-1 LEDs (RGBW)
- Life Span: 50000H
- High efficiency PMMA optics
- 25° Beam angle (15°/45° optional)
- 35°Field angle
- Stunning light output with high intensity
- Sophisticated multi colors mixed
- Even and soft light coverage with pure mixing
- Preset color macros
- 1-25T/sec high speed shutter/strobe effect with variable speed 0-100% Smooth
- linear LED dimming
- 4/8 DMX channels USITT DMX-512
- DMX512, master-slave, sound activated or auto operation
- DMX recorder and edit function integrated
- Shielded input signal protection for stable signal without interference 3-Pin XLR connectors IN/OUT
- LED display
- 4 Control buttons
- Display auto OFF
- Advanced cooling system integrated aluminum
- Noise free featured
- Electronic supply with active PFC
- AC100-240V 50/60Hz
- POWERCON connectors IN/OUT
- Skeleton made of aluminum and steel metal plates
- Front window with tempered glass
- Tilt angle manually adjustable
- 2 Multi-positioning brackets
- Exterior finish: Black
- -25°C to 45°C ambient temperature
- Ip20 protection rating



For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a discotheque, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a 120 Ω resistor connected between pins 2 and 3, which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustrations below.



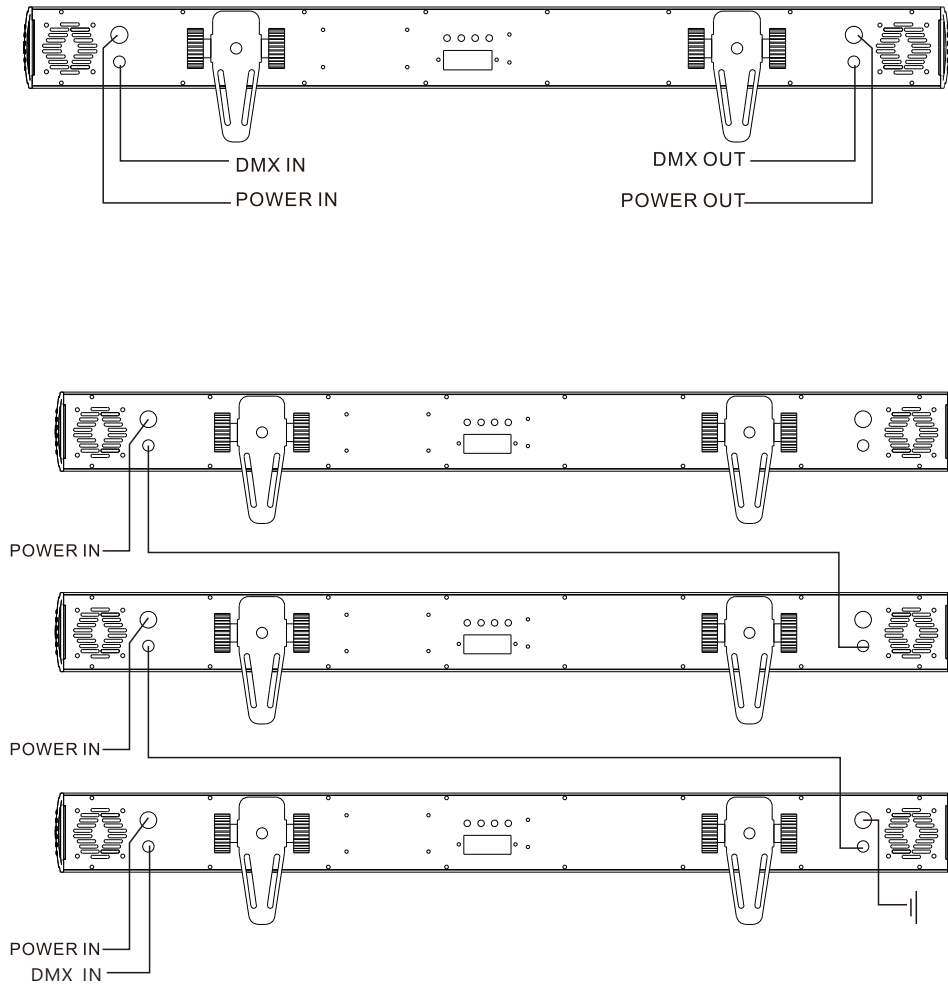
### 7 MENU OPERATIONS



## 6 DMX-512 CONTROL CONNECTIONS

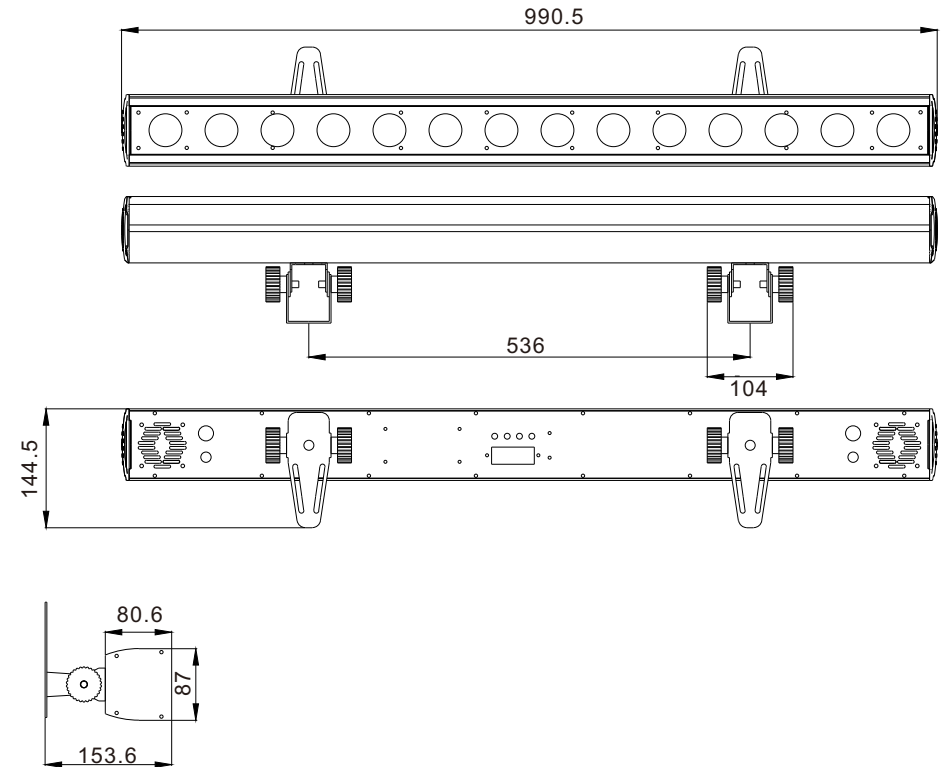
Connect the provided XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the architectural. You can chain multiple Architectural together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below.

DMX-512 connection with DMX terminator.



## Specifications

<b>Input Voltage:</b>	AC100-240V 50-60Hz
<b>LED Quantities:</b>	12*10W 4-in-1 LEDs (RGBW)
<b>Control Signal:</b>	DMX512, master-slave and sound activated or auto operation
<b>Control Channel:</b>	4CH/8CH DMX Channel modes
<b>Power Consumption:</b>	270W
<b>Dimensions:</b>	87(D)*990.5(W)*153.6(H)mm
<b>Packing Dimensions:</b>	170(D)*1140(W)*240(H)mm
<b>Net Weight:</b>	4.2kg
<b>Gross Weight:</b>	5.4kg



## 4 OPERATION INSTRUCTIONS

- The BARSHOW 1210RGBW is for wash effect for on-site decoration purpose.
- Don't turn on the fixture if it's been through severe temperature difference like after transportation because it might damage the light due to the environment changes. So make sure to operate the fixture until it is in normal temperature.
- This light should be keep away from strong shaking during any transportation or movement.
- Don't pull up the light by only the head, or it might cause damages to the mechanical parts.
- Don't expose the fixture in overheat, moisture or environment with too much dust when installing it. And don't lay any power cables on the floor. Or it might cause electronic shock to the people.
- Make sure the installation place is in good safety condition before installing the fixture.
- Make sure to put the safety chain and check whether the screws are screwed properly when installing the fixture.
- Make sure the lens are in good condition. It's recommended to replace the units if there are any damages or severe scratch.
- Make sure the fixture is operated by qualified personnel who knows the fixture before using.
- Keep the original packages if any second shipment is needed.
- Don't try to change the fixtures without any instruction by the manufacturer or the appointed repairing agencies.
- It is not in warranty range if there are any malfunctions from not following the user manual to operate or any illegal operation, like shock short circuit, electronic shock, lamp broke, etc.

## 5 INSTALLATIONS

**Wall or architecture projections:** You could just install the BARSHOW 1210RGBW near below the wall, projecting angles adjustable with any angles suitable for on-site requirements.

