

**Hosen lighting Technology Limited**

**RGBW 4IN1 10W12Leds Indoor  
Wall Washer  
User Manual  
HS-LW1210**



Support Telephone: +86-20-37707017

Support Email: [support@hosenlighting.com](mailto:support@hosenlighting.com) (QQ、Skype)

Website: <http://www.hosenlighting.com>

Copyright: The data at Hosen lighting Technology Limited common to all, to prohibit any unauthorized copying, printing and dissemination.

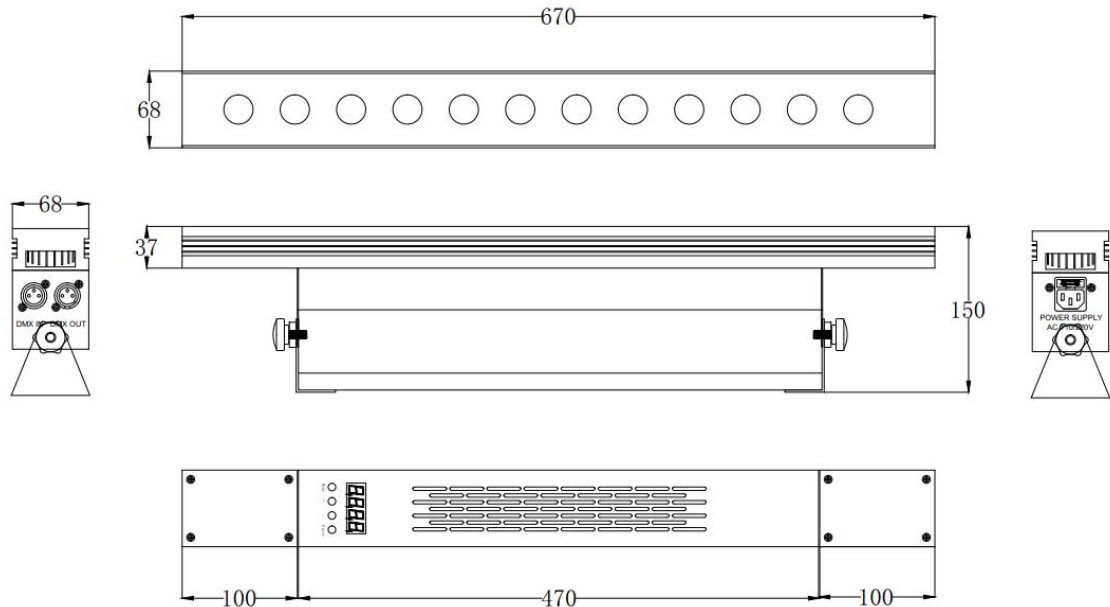
## Contents

Contents .....	1
1. Packing List .....	1
2. Schematic Diagram.....	2
3. Product Features .....	2
4. Specifications .....	2
4.1. Physical Specifications.....	2
4.2. Electrical Specifications .....	3
5. Installation Method.....	3
5.1. Installation Steps .....	3
5.2. Fixture Linking.....	3
5.3. AC Power .....	3
6. Safety Instructions.....	3
7. Operation Instruction.....	4
8. Maintenance and cleaning.....	4
9. Warranty .....	5
10. Technical Support.....	5
11. Disclaimer.....	6
12. Appendix .....	6
12.1. LED Display Explanation .....	6
12.2. DMX Channel Explanation.....	7
13. Amendment Log.....	8

## 1. Packing List

- RGBW 4IN1 10W12Leds Indoor Wall Washer 1 pcs
- User Manual 1 pcs

## 2. Schematic Diagram



## 3. Product Features

- Unlimited programming effects
- Special lighting effect
- 32-bit colour (16.7 million color combinations)
- Modular & highly portable
- No technical experience required
- Quick and easy installation
- More affordable than any existing solutions
- Sealed for long, durable lifetime
- No bulbs to replace
- Indoor use in well temperate rooms

## 4. Specifications

### 4.1. Physical Specifications

Product Series: Traditional Stage Lighting

Item No.: HS-LW1210

Size: 670x68x150mm

Net Weight: 3.5Kg

Gross Weight: 4.0Kg

LEDs: RGBW 10W/pcs total 12pcs

Beam: ☐ 25°

Material: Aluminum

Package Size:

Control mode: Auto-run mode, DMX-512 mode, Sound active mode

# Hosen lighting Technology Limited

DMX Channels: 3 / 6 / 9 CH

Noise: 63 db

Protect Level: IP30

Working Temperature: -25℃~+35℃

## 4.2. Electrical Specifications

Power: 120W

Voltage: AC 100-240V 50/60Hz

Service Life: 50000hour

Gray Level: 256

## 5. Installation Method

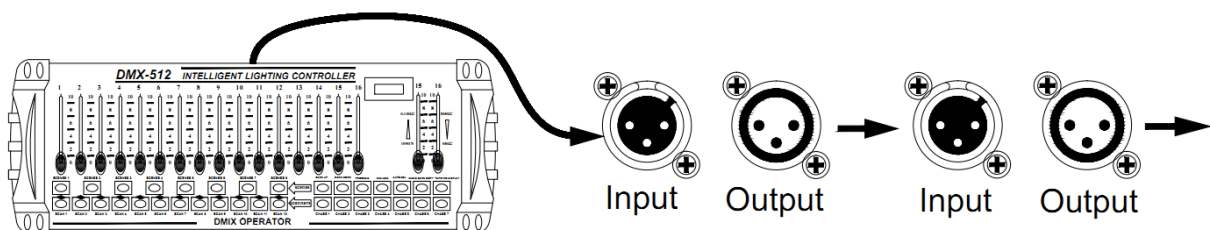
### 5.1. Installation Steps

1. Please hand this light into the suitable place with suitable angel (if operate the light in external place, please remember to get some water-proof cover to protect them.).
2. To connect the signal cable, plug one side into IN socket in the back of light and plug another side into OUT signal connector in the DMX 512 board(signal input: 1=>Ground, 2=>Data, 3=>data+).
3. To connect the cable and put into power, them the light stay in the status to receive the operation signal like : Music, Automatic, DMX512ect. Take note: Please out off the power line if you will not operate it for a certain time.

### 5.2. Fixture Linking

To run your light shows of one or more fixtures using DMX-512 controller or to run synchronized shows on two or more fixtures in master/slave operating mode , you need DMX cables to link the units from DMX IN to DMX OUT.

**Notice:** the length of signal cables should be within 100meters, to prevent the signal interference by other appliances because of the long signal cables.



### 5.3. AC Power

The fixture is designed to work on 100-240V 50/60Hz. Before applying power to a unit, check that the source voltage matches the unit's requirement.

## 6. Safety Instructions

**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**

➔ If the device has been exposed to temperature changes due to environmental changes ,do

RGBW 4IN1 10W12Leds Indoor Wall Washer  
show here] Current 3 Page, Total 8Page(s)

[The Title of Document Property

# Hosen lighting Technology Limited

---

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 20cm 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 replaced immediately.

## 7. Operation Instruction

- ➔ The moving head is an LED wash light for onsite 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.
- ➔ In is not in warranty range if there are any malfunction from not following the user manual to operate or any illegal operation ,like shock short circuit ,electronic shock ,lamp broke ,etc.

## 8. 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.

# Hosen lighting Technology Limited

---

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.

**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 months, 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 you local dealer.**

## 9. Warranty

- ➔ The products have 1 year standard warranty, we promise to provide technical support for the whole life.
- ➔ Artificial damage is not in warranty.
- ➔ Factory repair. If the electronic components are damaged, please retain it then exchange it with manufacturer timely. Buyers bear the freight.
- ➔ Power cable , DMX cable and outer casing are not in warranty.

## 10. Technical Support

Support Telephone: +86-20-37707017

Support Email: [support@hosenlighting.com](mailto:support@hosenlighting.com) (QQ、MSN as same)

Website: <http://www.hosenlighting.com>

Working Time: (BeiJing Time)

Monday to Friday 08:00~12:00 13:30~17:30 18:30~20:30

Saturday 09:00~12:00 13:30~17:00

Note: all the rest of China's holidays!

Support Telephone: +86-20-37707017

## 11. Disclaimer

While every care has been taken with the details on this specification sheet, we take no responsibility for any inaccuracies caused during installation. We reserve the right to change these specifications without notice to always ensure that the customer is receiving a superior product.

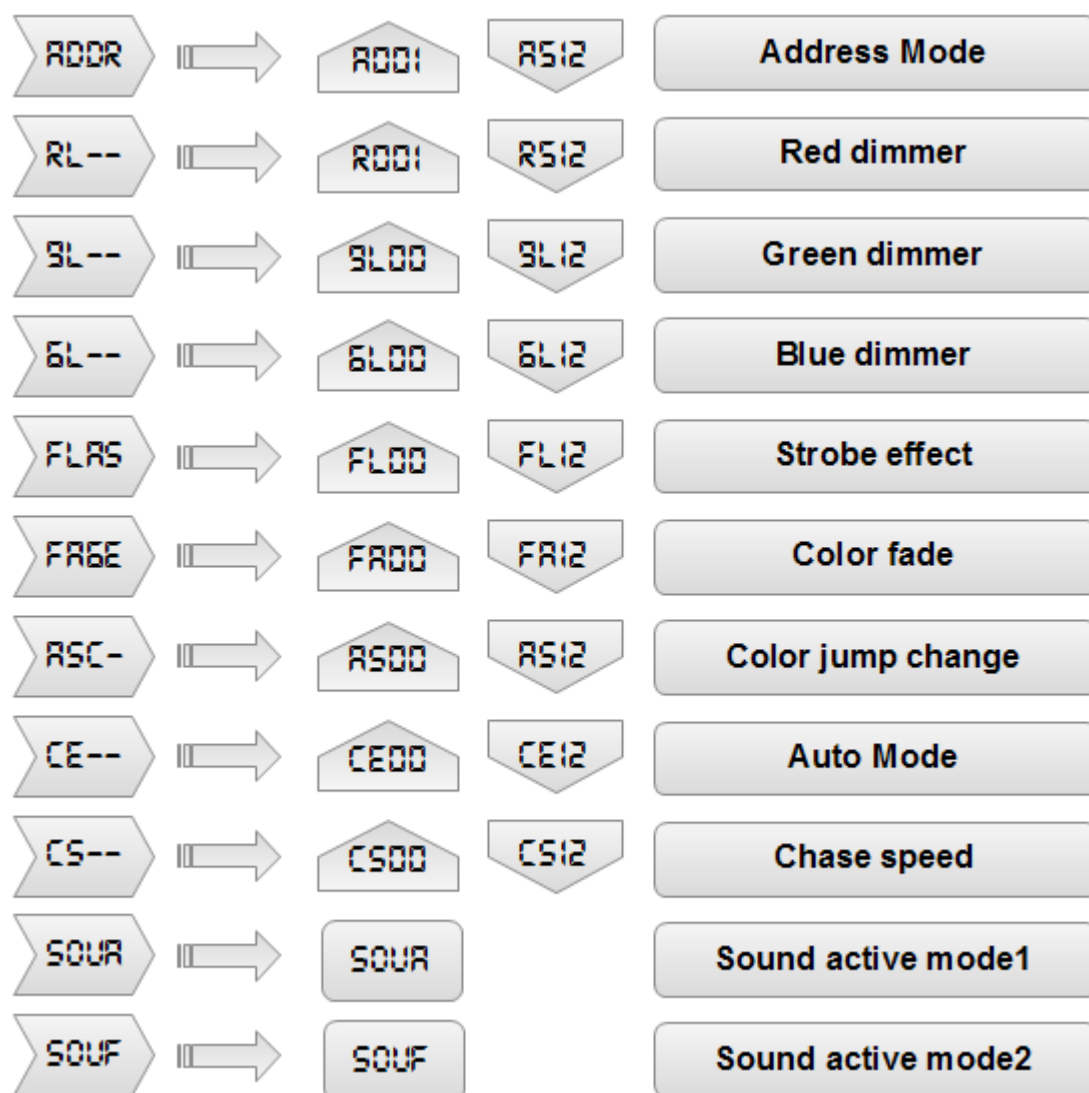
## 12. Appendix

### 12.1. LED Display Explanation



**Turn on the main power, press “MENU” entering into main MENU, press “UP”/ “DOWN” (+/-) to choose sub-menu, then press “SETUP”.**

# Hosen lighting Technology Limited



## 12.2. DMX Channel Explanation

CHANNEL	Value	Function
<b>Autorun Mode CH1 = 0</b>		
CH1	0	Autorun mode (open)
CH2	0-225	Fifteen kind of autorun
	226-255	Two kind of sound control (226-240 & 241-255)
CH3	0-255	Speed of autorun

<b>Overall mode CH1 = 1-128</b>		
CH1	1-128	Overall mode (open)
CH2	0-128	Dimmer for all color



# Hosen lighting Technology Limited

	129-255	Strobe
<b>CH3</b>	0--255	All red dimmer
<b>CH4</b>	0-255	All green dimmer
<b>CH5</b>	0-255	All blue dimmer
<b>CH6</b>	0-255	All white dimmer
<b>CH7</b>	0-255	Strobe speed

<b>Second section mode CH1= 129-255</b>		
<b>CH1</b>	129-255	Second section mode (open)
<b>CH2</b>	0-128	Dimmer for all color
	129-255	Strobe
<b>CH3</b>	0-255	Red of first section
<b>CH4</b>	0-255	Green of first section
<b>CH5</b>	0-255	Blue of first section
<b>CH6</b>	0-255	White of first section
<b>CH7</b>	0-255	Red of second section
<b>CH8</b>	0-255	Green of second section
<b>CH9</b>	0-255	Blue of second section
<b>CH10</b>	0-255	White of second section
<b>CH11</b>	0-255	Strobe speed

## 13. Amendment Log

- 2012-11-7 The first version. Version : 1.0.11.7.