Manuals+ — User Manuals Simplified.

Super Lighting LED BC-204-DMX512 ArtNet-DMX Controller User Manual

Contents

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Brief Introduction

This Ethernet-DMX controller is dedicated to converting the Ethernet signal into DMX signal, output DMX512 signal, built-in test mode, SD record/play function, timer, etc.

Specification

| Model	ArtNet-DMX Controller
working voltage	DC9V (With adapter)
Input Ethernet control protocol	ArtNet
Output DMX512	4CH DMX512 signal
Working Temp	-20~55℃
Product dimension	L145×W78.4×H29.4(mm)
Weight	410g

Basic features

1. With LCD screen, easy to operate.
2. Support Ethernet DMX protocol ArtNet.
3. Support online firmware upgrade.
4. Built-in test mode, SD record/play function.
5. Support 8 timing play, 16 recording effects.
6. Support maximum capacity Micro SD8G memory card (equipped). 7 Use a DMX output with indicator,easy to operate.

Safety warning

1. Please don't install this controller in lightening, intense magnetic and high-voltage fields.
2. To reduce the risk of component damage and fire caused by short circuit, make sure correct connection.
3. Always be sure to mount this unit in an area that will allow proper ventilation to ensure a fitting temperatu0re.
4. Check if the voltage and power adapter suit the controller.
5. Don't connect cables with power on, make sure a correct connection and no short circuit checked with instrument before power on.
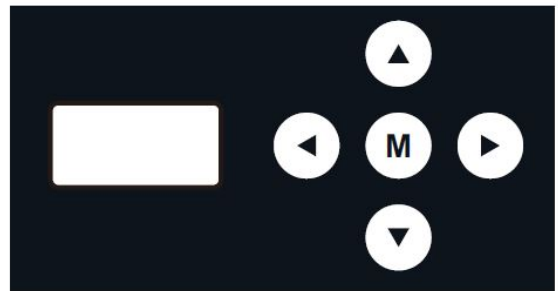6. Please don't repair without permission. Please contact supplier if problems occur.

The manual is only suitable for this model; any update is subject to change without prior notice.

Dimension
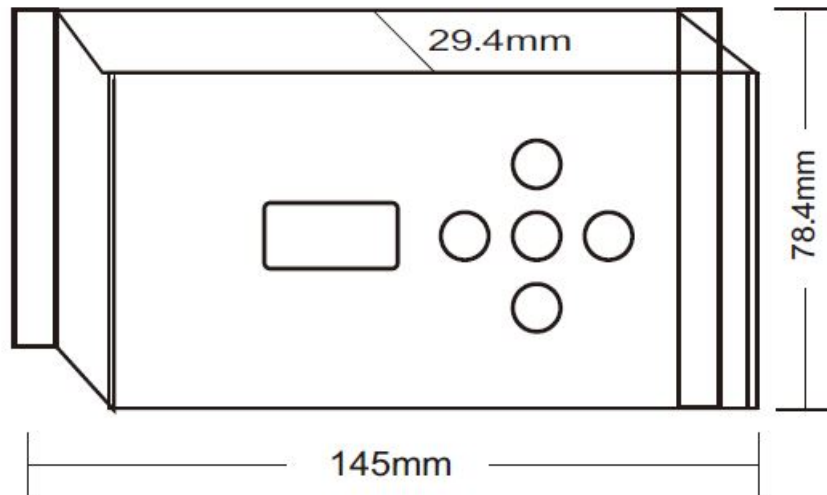
Operating instructions

1. Instruction of the interface and ports:

back to previous level

<<< DMX Set >>>
1. DMX1
2. DMX2
3. DMX3

back to homepage
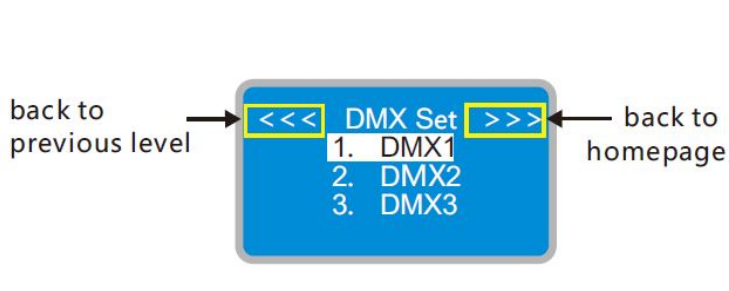
2. Key Description

Button	Short Press Function	Long Press unction
▲	Increase/move the cursor up	Rapid increase
▼	Decrease/move the cursor dowm	Rapid decrease
▶	Light up/move the cursor right	/
◀	Dim/move the cursor left	/
Ⓜ	Confirm Button	Unlock the screen

Back to previous level: using ◀▶ move to <<<, then press Ⓜ key
Back homepage:　　　　using ◀▶ move to >>>, then press Ⓜ key

3. Operating and setting instructions

Instruction of interface

Power on and shows:

```
IP ADDRESS-STAT
   192.168.0.50
   14-11-25
    20:00
```

This will only be displayed
when the SD card is plugged in

key locked in 30second
display off in 1minute

```
keys are locked!
  Long press
 ' M ' to unlock
```

Main menu function

```
<<<   Menu
1. Setting
2. Mode
3. Record/Play
```

Main menu function
classification

```
<<< Set Mode >>>
1. IP      Set
2. DMX   Set
```
1.System settings

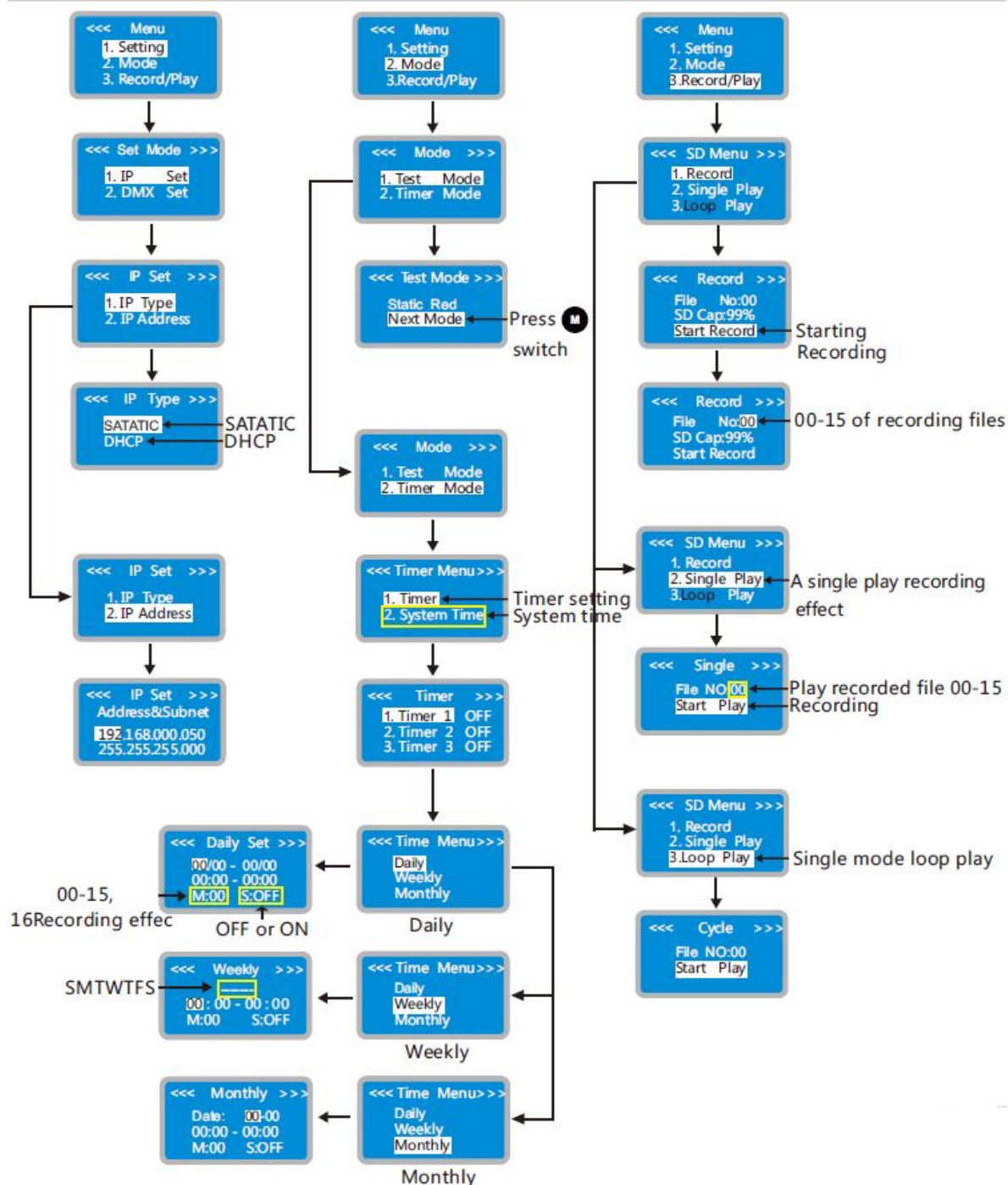```
<<<   Mode   >>>
1. Test   Mode
2. Timer Mode
```
2.Mode

```
<<< SD Menu >>>
1. Record
2. Single Play
3.Cycle Play
```
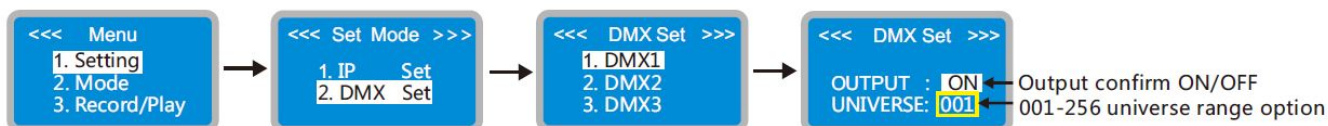3.Recording and playing

**Menu function**

Press M key to enter the Settings menu, Press the ▲ ▼ key move the cursor to the target position,tap the key to enter the corresponding setting page.The following table shows a brief introduction to the Settings menu

| No | Setting | OLED display | Value |
|---|---|---|---|
| 1 | System setup | Setting | IP setting , DMX settings |
| | IP setup | IP  Type | IP address type settings |
| | | STATIC DHCP | STATIC IP address,DHCP IP address setting |
| | | IP Address | Static IP( default ):192.168.0.50 ( default ):255.255.255.0 |
| | DMX output setup | DMX  Set | DMX settings |
| | | DMX  1 | Outputs:1-4 |
| | | OUTPUT:ON | On : output OFF : no output |
| | | UNIVERSE:256 | Universe setting range: 1-256 |
| 2 | Self-test mode and time setup  Note: SD card is required in timer mode | Mode | Test mode and time setting |
| | | Test  Mode | Test mode,25 built-in test mode |
| | | Timer  Mode | Timer mode contains 8 timers and current time Settings |
| 3 | Play and record functions  Note:need a SD card | Record/Play | Recording and play options |
| | | Record | SD recording effect |
| | | Single  Play | single play |
| | | Loop Play | Single mode loop play |

4. Parameter Setting

Menu screens flow:

<<< Menu >>>
1. Setting
2. Mode
3. Record/Play

<<< Set Mode >>>
1. IP Set
2. DMX Set

<<< IP Set >>>
1. IP Type
2. IP Address

<<< IP Type >>>
SATATIC ← SATATIC
DHCP ← DHCP

<<< IP Set >>>
1. IP Type
2. IP Address

<<< IP Set >>>
Address&Subnet
192.168.000.050
255.255.255.000

<<< Menu >>>
1. Setting
2. Mode
3.Record/Play

<<< Mode >>>
1. Test Mode
2. Timer Mode

<<< Test Mode >>>
Static Red
Next Mode ← Press M switch

<<< Mode >>>
1. Test Mode
2. Timer Mode

<<< Timer Menu>>>
1. Timer ← Timer setting
2. System Time ← System time

<<< Timer >>>
1. Timer 1 OFF
2. Timer 2 OFF
3. Timer 3 OFF

<<< Time Menu>>>
Daily
Weekly
Monthly
Daily

<<< Daily Set >>>
00/00 - 00/00
00:00 - 00:00
M:00 S:OFF ← OFF or ON
00-15, 16Recording effec

<<< Time Menu>>>
Daily
Weekly
Monthly
Weekly

<<< Weekly >>>
00 : 00 - 00 : 00
M:00 S:OFF
SMTWTFS

<<< Time Menu>>>
Daily
Weekly
Monthly
Monthly

<<< Monthly >>>
Date: 00-00
00:00 - 00:00
M:00 S:OFF

<<< Menu >>>
1. Setting
2. Mode
3.Record/Play

<<< SD Menu >>>
1. Record
2. Single Play
3. Loop Play

<<< Record >>>
File No:00
SD Cap:99%
Start Record ← Starting Recording

<<< Record >>>
File No:00 ← 00-15 of recording files
SD Cap:99%
Start Record

<<< SD Menu >>>
1. Record
2. Single Play ← A single play recording effect
3.Loop Play

<<< Single >>>
File NO:00 ← Play recorded file 00-15 Recording
Start Play

<<< SD Menu >>>
1. Record
2. Single Play
3.Loop Play ← Single mode loop play

<<< Cycle >>>
File NO:00
Start Play

## DMX output setting



<<< Menu >>>
1. Setting
2. Mode
3. Record/Play

<<< Set Mode >>>
1. IP Set
2. DMX Set

<<< DMX Set >>>
1. DMX1
2. DMX2
3. DMX3

<<< DMX Set >>>
OUTPUT : ON ← Output confirm ON/OFF
UNIVERSE: 001 ← 001-256 universe range option

## WEB setting, Firmware upgrading online

In addition to set parameters by keys, you can also set it through the Web browser of computer. The parameter settings between the two are the same; Open the web browser of the computer, which is in the same LAN with the controller, input the IP address (such as the default IP: 192.168.0.50), and press "Enter" to browse the controller's built-in website, as shown below:

**Parameter Settings**



**Test Mode Configuration**

## Test Mode Configuration

Mode Selection : [2 STATIC RED ▼]  Enabled: ☐ ←Select a good effect and turn it on

[Test mode] →  [Update Test Mode Information] ← Reconfirm

Notes: To turn on the test mode, the enable item must be selected.

## E1.11 RS-485/DMX512 Output Configuration

Output 1 Enabled: ☑  DMX Universe: [1]
Output 2 Enabled: ☑  DMX Universe: [1]
Output 3 Enabled: ☑  DMX Universe: [1]  ← select universe 1-256
Output 4 Enabled: ☑  DMX Universe: [1]

[DMX512 output mode] →

Select ON/OFF [Set] ← Final confirm

## Play

[Play record effect] →  File No: [R00 ▼] Play type: [Single Play ▼] ⦿ Start ○ Stop [Set]

## System Time Setting

[系统时间设置] →  Date(YY/MM/DD): [21] /[06] /[02]  Time(HH:MM): [16] :[13] [Set]

## Timer1

[Timer setting] →  First step: ON→ ON: ⦿  OFF: ○ [Set] ← Second step:enter setup

## Timer2

ON: ○  OFF: ⦿ [Set]

## Timer3

ON: ○  OFF: ⦿ [Set]

## Timer4

ON: ○  OFF: ⦿ [Set]

## Timer5

ON: ○  OFF: ⦿ [Set]

## Timer6

ON: ○  OFF: ⦿ [Set]

## Timer7

ON: ○  OFF: ⦿ [Set]

## Timer8

ON: ○  OFF: ⦿ [Set]

## Timer Setting

⦿ Daily  Start day(MM/DD): [00] /[00]  End day(MM/DD): [00] /[00]

○ Weekly  Sun: ☐ Mon: ☐ Tue: ☐ Wed: ☐ Thu: ☐ Fri: ☐ Sat: ☐

○ Monthly  Start day: [31 ▼]  End day: [1 ▼]

Time(HH:MM): [00] :[00] - [00] :[00]  File No: [R00 ▼]

Third step: Set parameters after pop-up setting page

[set] ← Final confirmation

## Firmware Update

If you need a firmware update please contact the manufacturer to upgrade the firmware provided by the manufacturer

**Firmware Update**

Currently Installed Firmware Version: 1.00 / 01-Mar-2021

After downloading updated firmware to Computer – Click to Update Firmware ← enter into firmware updating page

Note: If your controller is operating properly or have not been instructed by BINCOLOR to update the firmware, we recommend against updating the firmware.

## Please specify a binary file to update the firmware:

选择文件 未选择文件

Update ← Confirm the upgrade

Select File firmware upgrade file

Udate Firmware
Press M Cancel

It displays the updated page

If not, please click on the "Back": Back ← Return to the main page without upgrading or press the controller M key to cancel upgrading

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Currently Installed Firmware Version: 1.00 / 01-Mar-2021

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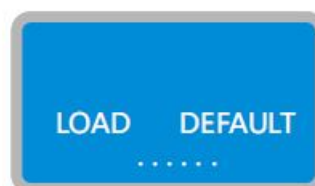Udate Firmware
Press M Cancel

It displays the updated page

If not, please click on the "Back": Back ← Return to the main page without upgrading or press the controller M key to cancel upgrading
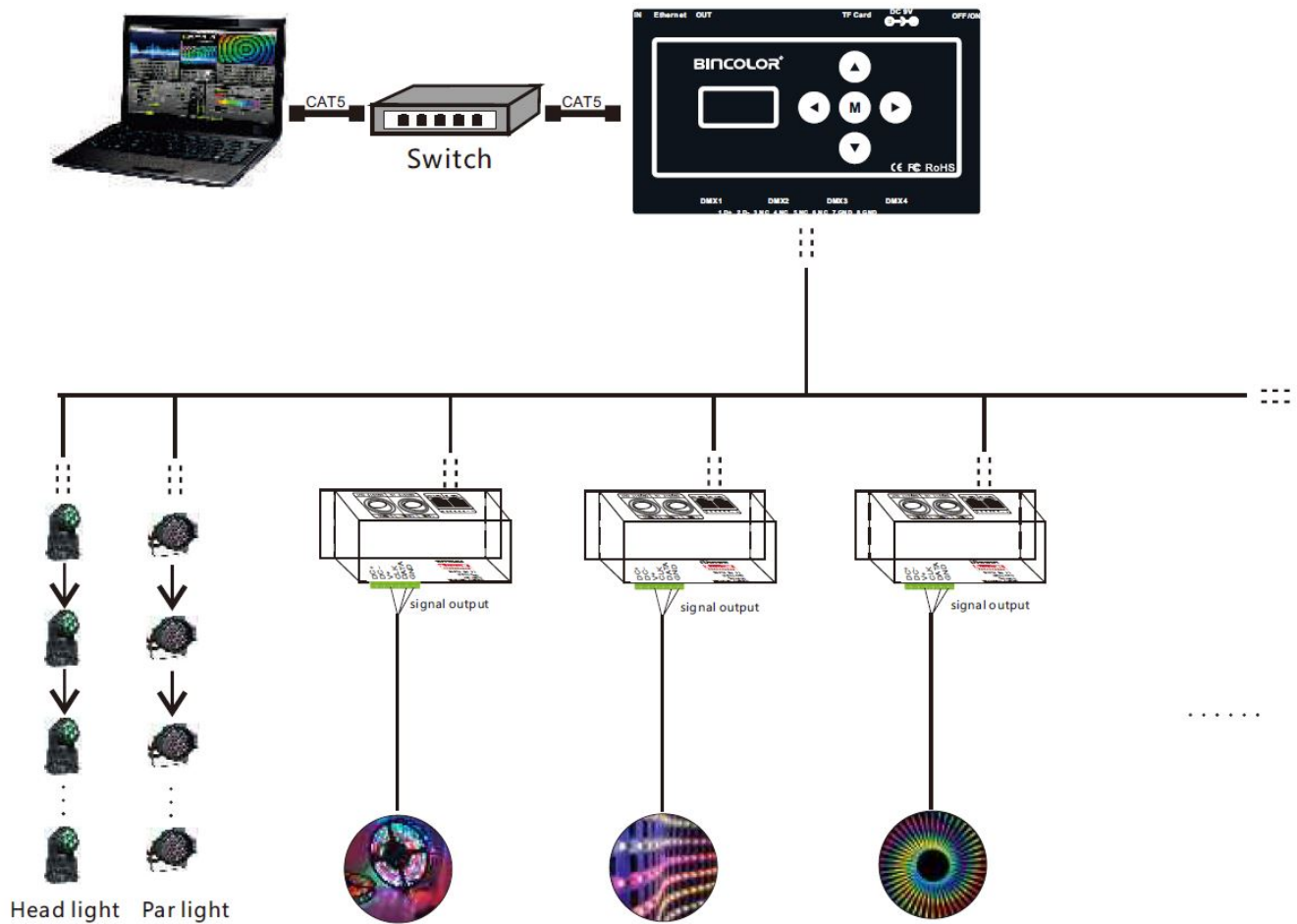
**Load default**

Press the ⏴⏵ button at the same time,and power up the controller, and then release the ⏴⏵ button when the recovery interface appears
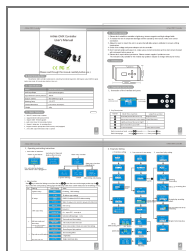
LOAD    DEFAULT
· · · · · ·

## Restored interface

## Conjunction Diagram



## Documents / Resources



**Super Lighting LED BC-204-DMX512 ArtNet-DMX Controller** [pdf] User Manual
BC-204, ArtNet-DMX Controller, BC-204 ArtNet-DMX Controller, Controller, BC-204-DMX512 ArtNet-DMX Controller, BC-204-DMX512, DMX512