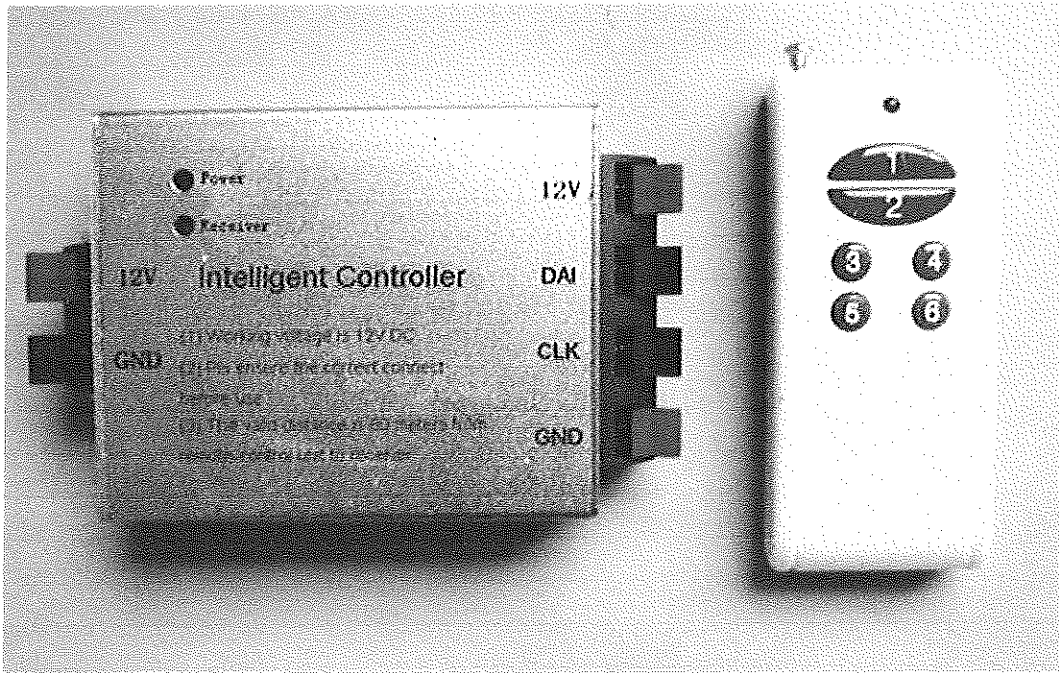




GENERAL LIGHTING

General Lighting Electronic Co., Ltd

# SPECIFICATION FOR APPROVAL



GL-CT-D

Intelligent Light Strip Controller

Approved Signatures

Quality Dept.

Engineering Dept.

Producer

--	--	--

--	--	--

--	--	--



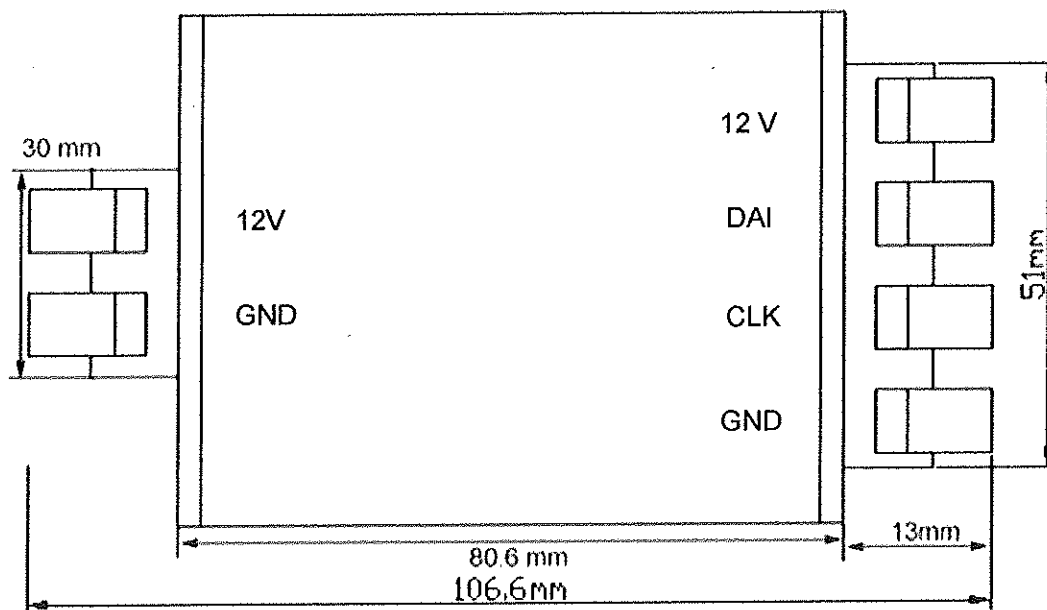
GENERAL LIGHTING

General Lighting Electronic Co., Ltd

## Feature

- 15 change modes for choice .
- Memory function;
- Pause function .
- Remote control distance 80M;
- Adjust speed function
- Adjust light strip length function

## Dimension



106.6x6.3x2.3 mm



GENERAL LIGHTING

General Lighting Electronic Co., Ltd

## Key and relative function:

Key 1 Pause Function

Key 2 Mode Change

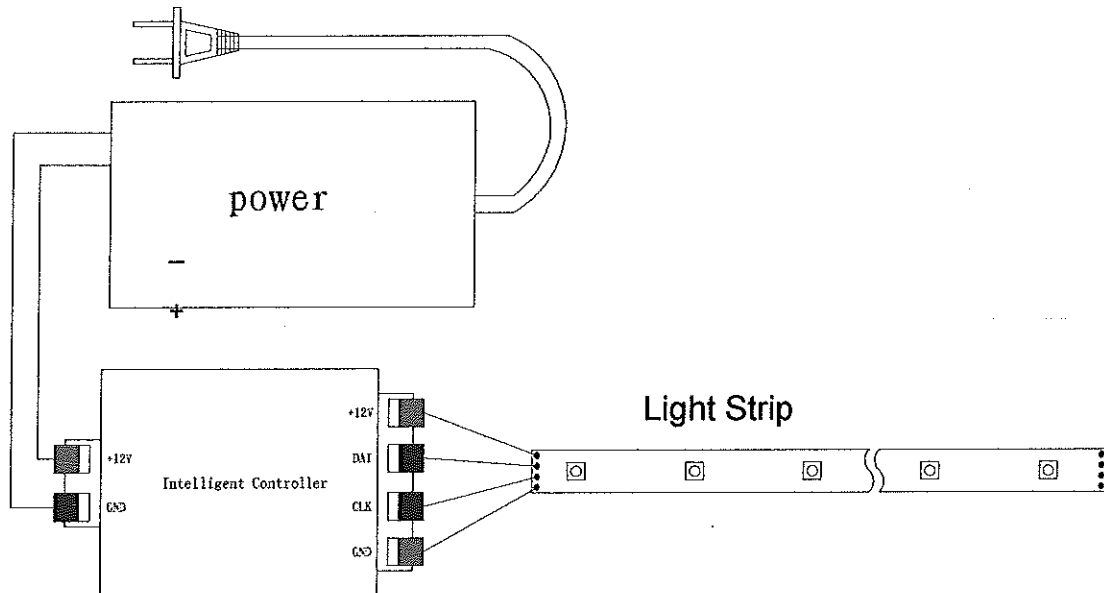
Key 3 Speed Down

Key 4 Speed Up

Key 5 Increase Light Strip Control Length

Key 6 Reduce Light Strip Control Length

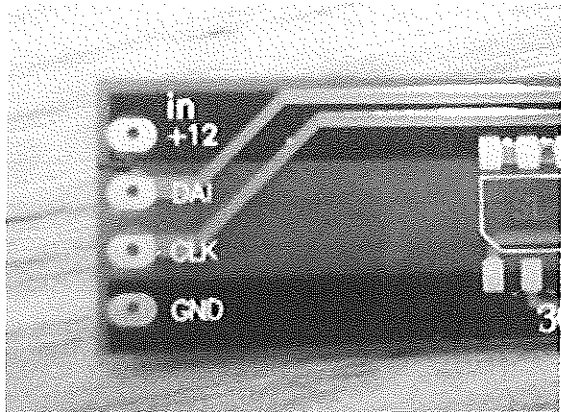
## How to connect



**Note :** DAI: Data Control Line  
CLK: Clock controlling line  
GND: Isolation ground wire ( be equal to negative pole )

### Notice :

1. Please make sure the correct connection between the strip and the controller before use ,any wrong connect way will burn the first IC and the whole reel strip can't work normally
2. Controller should be connected from the "input" direction ( Marked "in" on the PCB)
3. Max. connection: 20 meters.





GENERAL LIGHTING

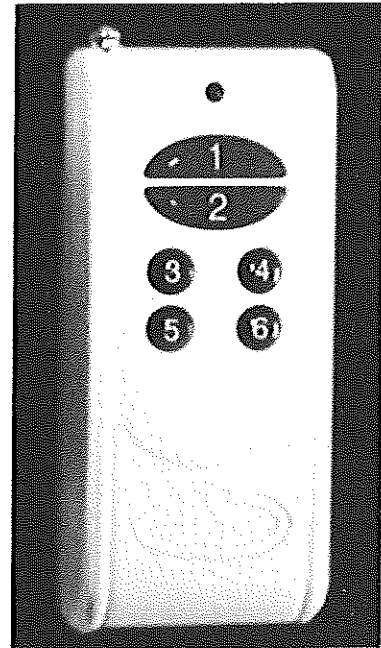
General Lighting Electronic Co., Ltd

## Key Details

1. Pause Function
2. Mode Change
3. Speed -
4. Speed +
5. Control length +
6. Control length -

## Mode Details

There are 15 kinds of change modes for the controller GL-CT-D



### 1). Color Jumping

- Red light jumping
- Yellow light jumping
- Green light jumping
- Cyan light jumping
- Blue light jumping
- Pink light jumping
- White light jumping

### 4) A group of LED's light backward running mode

- A group of Red light running
- A group of Yellow light running
- A group of Green light running
- A group of Cyan light running
- A group of Blue light running
- A group of Pink light running
- A group of White light running

### 2) Color Change Gradually

### 5) A group LED forward running mode ,opposite to mode 4.

### 3) Breath Mode

Light turns bright and dark slowly, the whole strip light color changes at the same time ,like a breath.

Red light turns bright

Red light turns dark, Green light turns bright

Green light turns dark ,Blue light turns bright

Blue light turns dark, Red light turns bright

Red ,Green and Blue light turns bright at the same time and make White light.



GENERAL LIGHTING

## General Lighting Electronic Co., Ltd

### **6) One color of light moves from the ribbon end on another light grounding**

1. Red light moves from end on White grounding
2. Green light moves from end on Red grounding
3. Blue light moves from end on Green grounding
4. Pink light moves from end on Blue grounding
5. Cyan light moves from end on Pink grounding
6. Yellow light moves from end on Cyan grounding
7. White light moves from end on Yellow grounding

### **7) Per 6pcs LED's light runs forward on the another light grounding**

1. Red light runs forward on the White grounding
2. Green light runs forward on the Red grounding
3. Blue light runs forward on the Green grounding
4. Pink light runs forward on the Blue grounding
5. Cyan light runs forward on the Pink grounding
6. Yellow light runs forward on the Cyan grounding
7. White light runs forward on the Yellow grounding

### **8) lights moves from Strip head and Strip end and meet in the middle**

**9) One color of light moves backward to the end and another color of light moves forward, then light color changes when meet.**

### **10) A group LED backward running with Gray Scale mode .**

1. A group of Yellow light running
2. A group of Blue light running
3. A group of Cyan light running
4. A group of Green light running
5. A group of Yellow light running
6. A group of Red light running
7. A group of White light running

### **11) A group LED forward running with Gray Scale mode ,opposite to mode 10**

### **12) Seven color Flowing backward .**

### **13) Seven color Flowing forward opposite to mode 12**

### **14) Mixture mode 10 and 11**

### **15) Mixture mode 12 and 13**

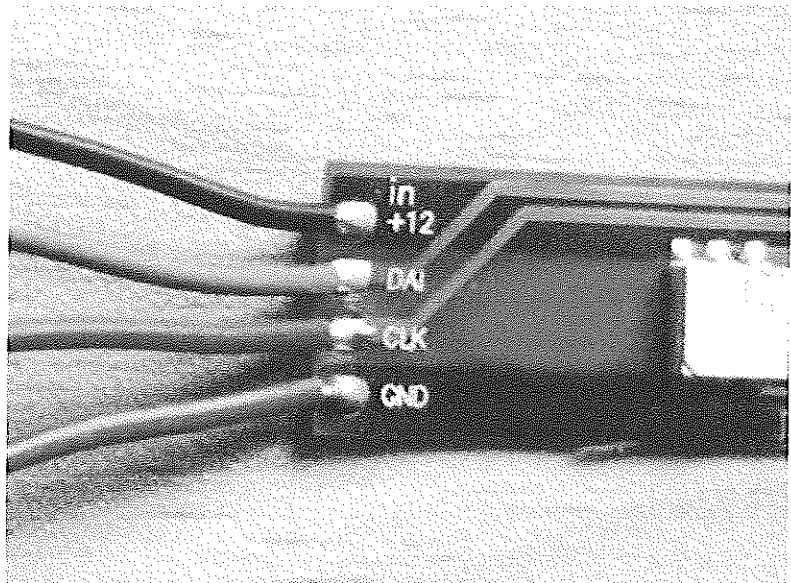
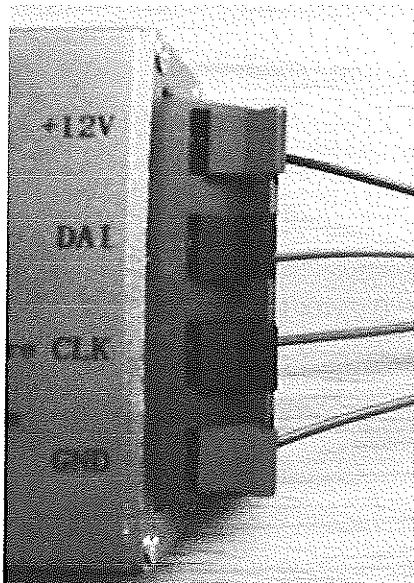
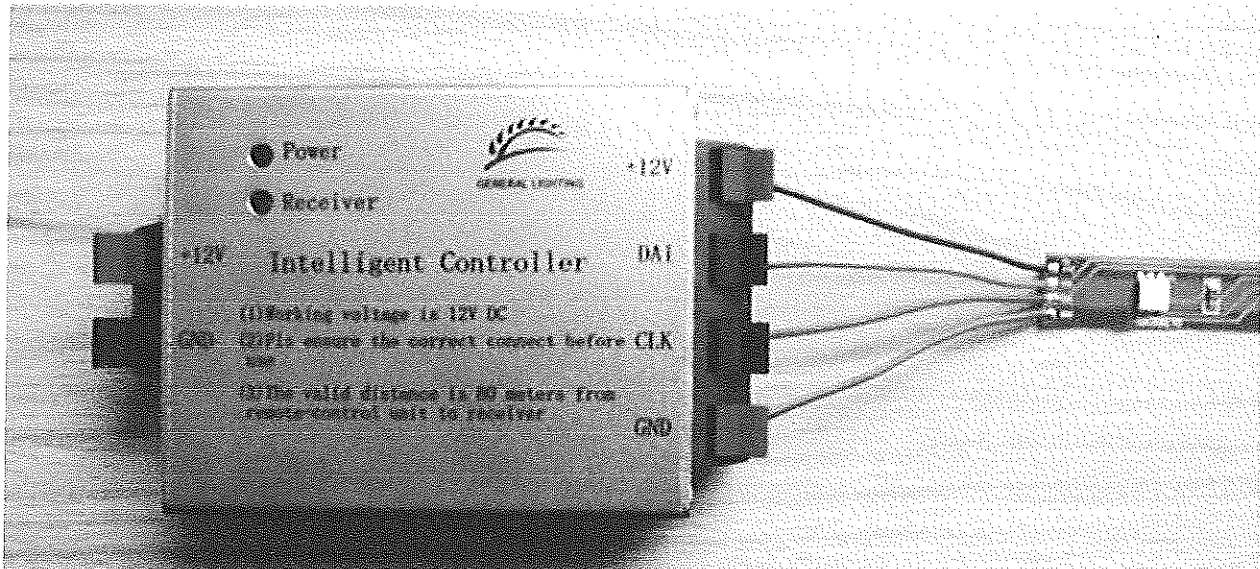


GENERAL LIGHTING

General Lighting Electronic Co., Ltd

### Important Remarks:

1. Please make sure the correct connection like below :



Key "1" is for pause, when you want to resume strip light change mode, you should press again, the light strip will emit light in the mode where it's stopped.

Pause function can work under each light color change mode.

How can you adjust the light strip control length?

Press key "5" to increase light strip control length by every 5 meters;

Press key "6" to reduce light strip control length by every 5 meters.

The longer control length ,the slower change speed .