



# Designa SP107E Bluetooth LED Music Controller User Manual

[Home](#) » [DESIGNA](#) » Designa SP107E Bluetooth LED Music Controller User Manual 

Designa SP107E Bluetooth LED Music Controller



## Contents

- [1 Features](#)
- [2 Download and install the APP](#)
- [3 Instructions](#)
- [4 Specifications:](#)
- [5 Wire Connection](#)
- [6 Documents / Resources](#)
- [7 Related Posts](#)

## Features



1. Long distance APP remote control via Bluetooth;
2. Support almost every kind of one-wire or two-wires LED driver IC ;
3. Support setting pixel number and segment number, support up to 960 pixels;
4. With 18 kinds of LED strip music effects, 30 kinds of LED matrix music effects and 180 kinds of non-music effects;
5. DC5V~24V wide range working voltage, reverse power supply input protection;
6. User setting saving;

### **Download and install the APP**

Both IOS version and Android OS version are available. (hardware should support Bluetooth)

- Requires IOS version 10.0 or later;
- Requires Android OS version 4.4 or later;
- Search “LED Chord” in App Store or Google Play or scan this QR code to download and install the APP:



### **Instructions**

#### **APP Operatings:**

1. Make sure you have turn on Bluetooth on your phone;
2. Open the APP, drag to refresh the device list, select device name "SP107E" to connect the controller, once connected you will able to rename your controller;
3. Select RGB order and IC type;
4. Adjust pixel number;
5. Press **ENTER**.

### Audio Input:

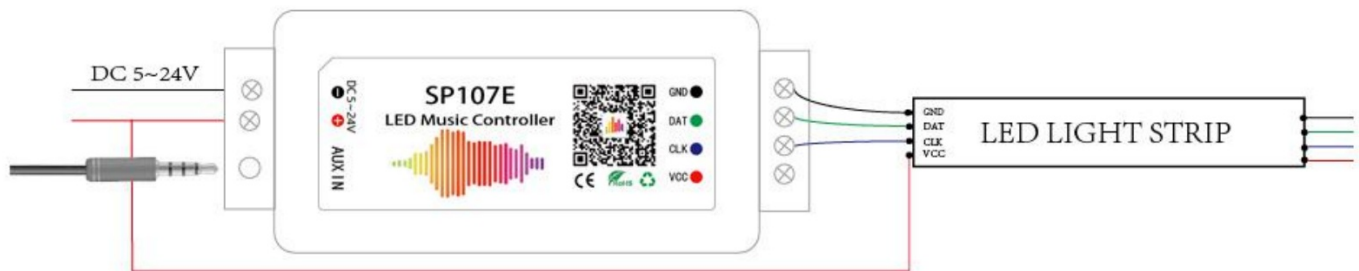
There are two ways to input the audio signal on SP107E, AUX IN and Build-IN microphone;

- AUX IN: Plug the supplied audio split cable into the "**AUX IN**" jack, connect the audio output source(MP3,Phone or tablet...)and the speaker(or headset), controller will automatically switch into AUX input mode;
- MIC: Disconnect the audio cable, controller will automatically switch into microphone input mode.

### Specifications:

Working temperature : -20°C~60°C;  
 Working Voltage : DC5V~24V;  
 Working Current : 18mA~45mA;  
 Remote distance : 20 Meters;  
 Product size : 85mm\*45mm\*22mm;  
 Product weight : 40g ;  
 Certificates : CE, RoHS;

### Wire Connection



### FCC WARNING


This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. — Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

Documents / Resources

	<p><a href="#">Designa SP107E Bluetooth LED Music Controller</a> [pdf] User Manual ERK-GTG-I43, 2AWRVERK-GTG-I43, SP107E, Bluetooth LED Music Controller</p>
-----------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------