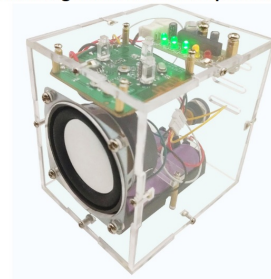**Manuals+** — User Manuals Simplified.

GeekLJT Rechargeable Bluetooth Speaker Soldering Kit

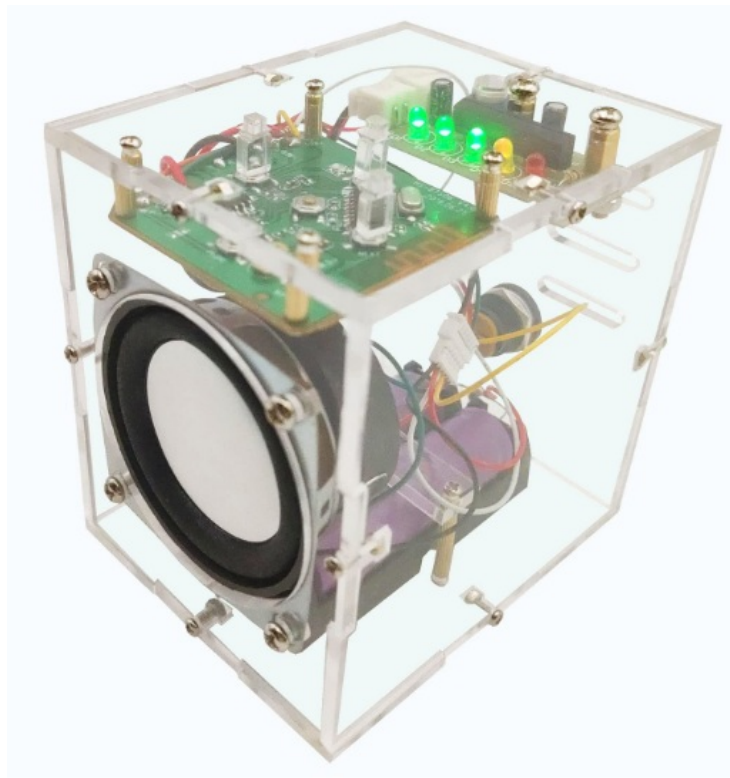# GeekLJT Rechargeable Bluetooth Speaker Soldering Kit Installation Guide
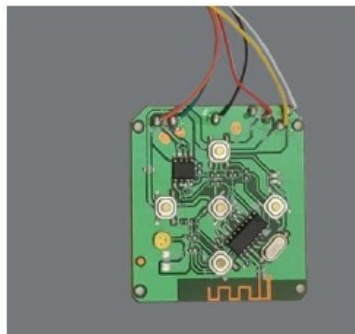
Contents

GeekLJT

GeekLJT Rechargeable Bluetooth Speaker Soldering Kit
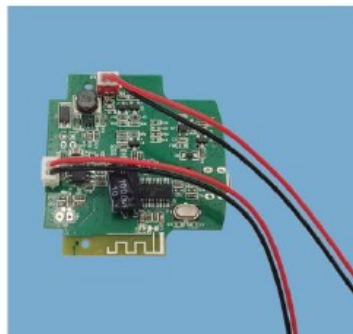
Note

Due to the upgrade of the PCB board, the manual will be different, there are currently two versions of the manual can be downloaded. Please refer to the corresponding user manual.
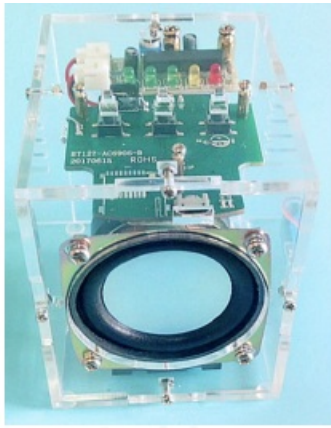

Version 1

(download)

Version 2
(Refer to this document)

Introduction

Rechargeable Bluetooth Speaker Soldering Kit

- Small Size

- Support 5.0 Bluetooth

- Beautiful appearance

- Excellent sound quality

- Colorful flash LEDS

Product parameters

parameter	value
Name	Rechargeable Bluetooth Speaker Soldering Kit
Size(installed)	80mm*80mm*65mm
Battery Needed	14500 li-ion batteries
Sound Channel	1
Work Voltage	3.7V
Work Temperature	-30℃~80℃

Function Demo
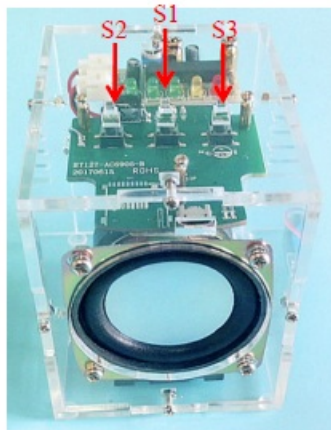
- S1 – Power Key

- S2 – Back/Volume down Key

- S3 – Next/Volume up Key

Switch Mode
Press S1 3 seconds to turn on/off the speaker.

Adjust receiving frequency
Short press S3/S2 to switch to the next/back audio.

Adjust the volume
Long press S3/S2 to up/down volume

Application

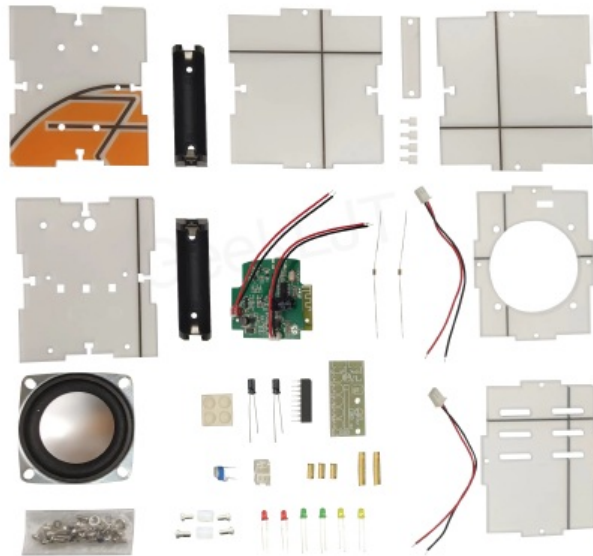Family Education   School Courses   Gift Giving   Kit Sales

Electronic Competition   DIY Production   Welding Skills

Component Listing

| No	Name	PCB Marker	Quantity
1	Metal Film Resistor 100Ω	R1	1
2	Metal Film Resistor 10KΩ	R2	1
3	LED (Green, Red, Yellow)	D1,D2,D3,D4,D5	5
4	The Chip		1
5	Electrolytic Capacitor 10uF	C1	1
6	Electrolytic Capacitor 1uF	C2	1
7	Potentiometer 10K	R3	1
8	2 Pin Wire Base	UCC/AUDIO	2
9	2 Pin Wire		2
10	LED PCB Board		1
11	Bluetooth Main Board		1
12	14500 Battery Case		2
13	4ohm 3W Speaker		1
14	Nylon Pillars		2
15	Screws+Nuts		/
16	Acrylic Shell		/

Installation Tips

- Before installation, users need to prepare the welding tools in advance.
- The installation process requires enough care and patience.
- Be sure to read through the installation instructions before starting the installation.
- Welding sequence: components from high to low
- In order not to damage the components, the soldering iron should not touch the components for too long.
- Pay attention to the positive and negative markings on the pcb, long pin of the component is positive.
- Ensure that similar components with different parameters are placed in the correct position on the pcb.
- Wearing anti-static gloves or anti-static wristbands is better.
- Ensure that components are not accessible to children.

Installation Steps
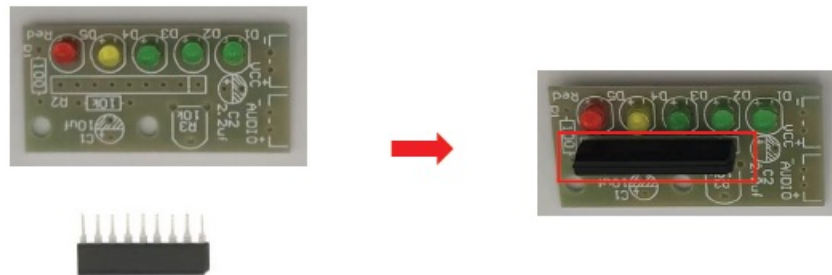
Step1: Install 5 LEDs
Mark: D1~D5
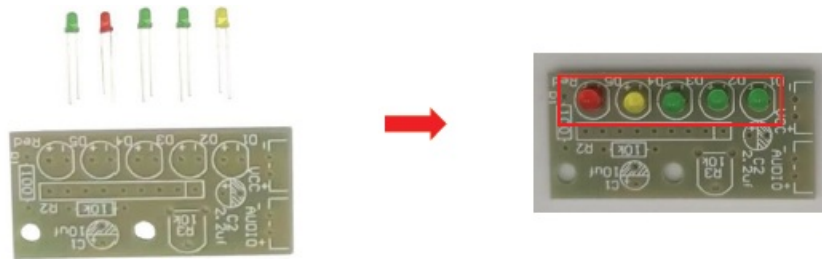
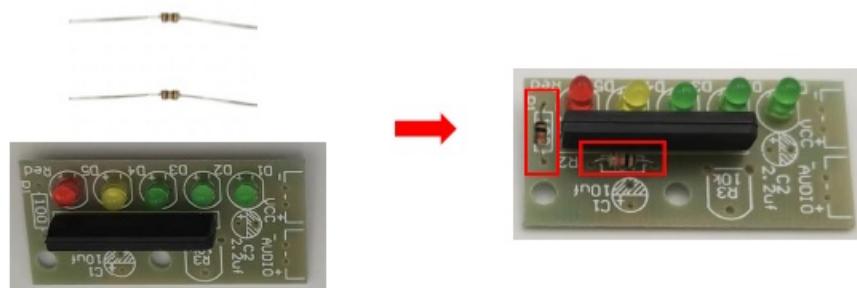**Step2: Install the chip**
Tips:
Color order can be adjusted according to personal preference.

Tips
The chip's notch corresponds to the silk-screened area circled on the PCB board.
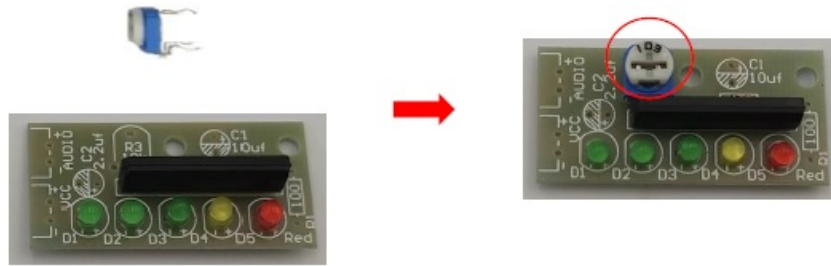
Step3: Install metal film resistor

Tips
Need to measure the resistance with a multimeter.
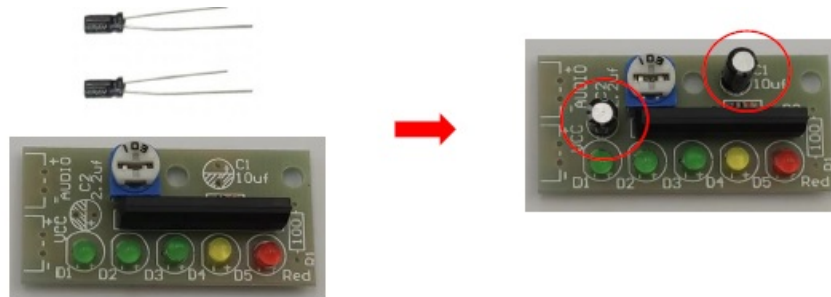
Mark

- 100Ω – R1
- 10KΩ – R2
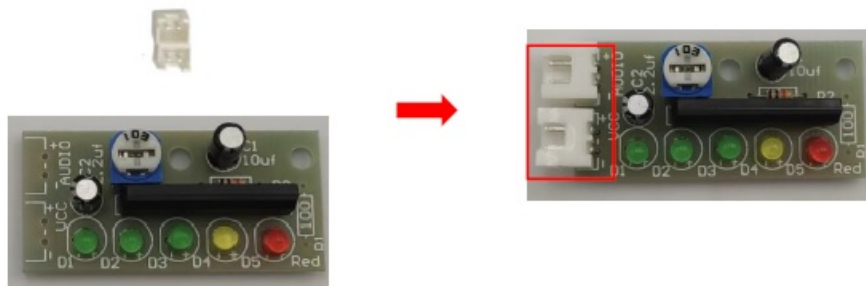
Step4: Install 10K Potentiometer

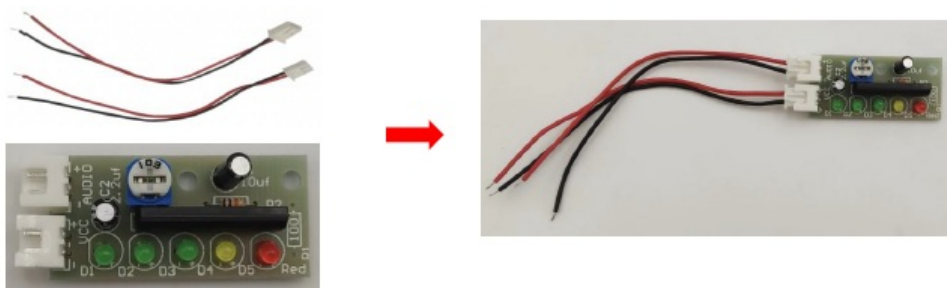**Mark**

R3

Step5: Install Electrolytic Capacitor

Mark:
1uF – C2
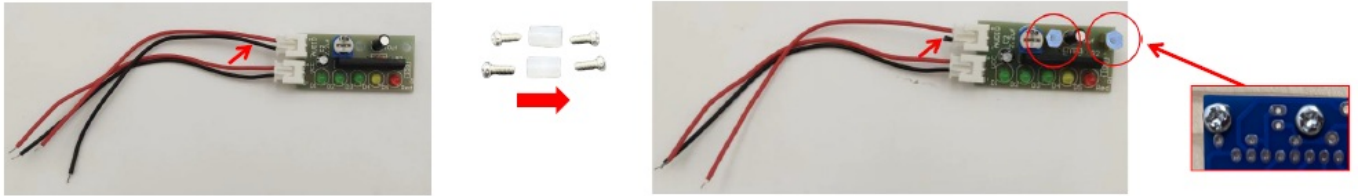10uF – C1

Step6: Install 2pcs 2 Pin Wire Bases
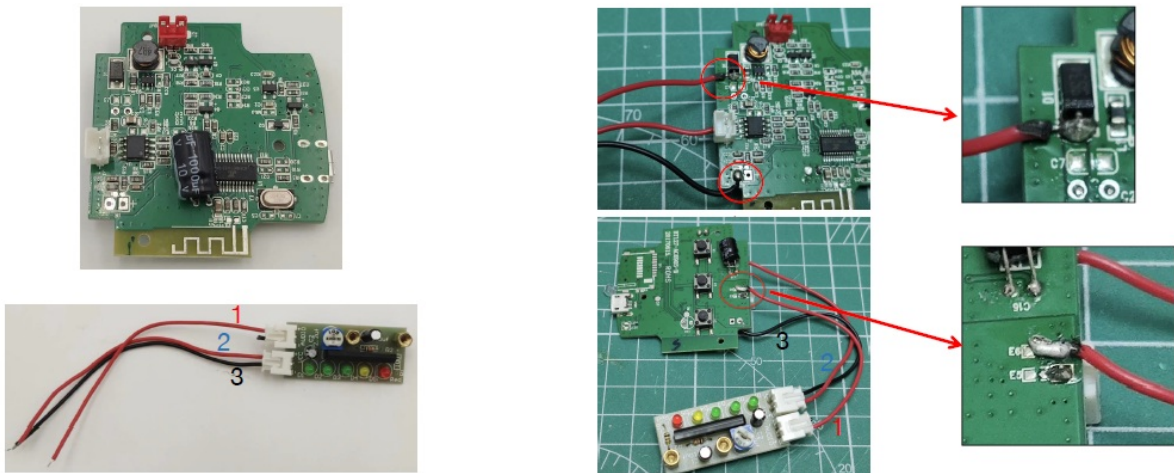
Mark
UCC
AUDIO

Step7: Plug in 2 pin wires

Step8: Install 2 pcs nylon pillars

Tips
1.Cut off the black wire pointed out in the picture(Red Arrow Line). 2.Install 2 pcs nylon pillars at the light PCB board.

Step9: Soldering the wires between PCB board& Bluetooth motherboard

1. Pay attention to the location of each wire connection, find wiring location according to wire number(1,2,3) or color identification(Red | Blue | Black) .

Step10: Tear off the protective film
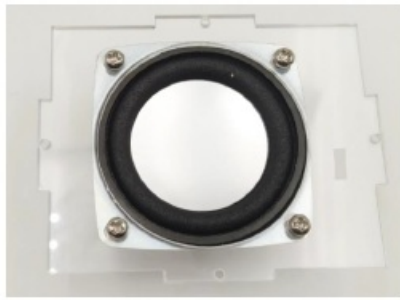**Step11:** Fix the speaker to the front acrylic shell

Tips
Tear off the protective film on all the shells first, start installing the shell.
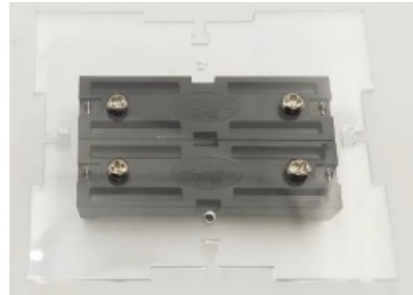
Tips
Fix the speaker to the front acrylic shell with 3*6mm screws and nuts.

Step12: Fix 2 pcs battery bases to the bottom acrylic shell

**Step13:** Use two metal wires to connect the battery box

Tips:
Fix 2 pcs battery bases to the bottom acrylic shell with 3*6mm screws and nuts.

Tips
Two positive terminals connected together, two negative terminals connected together. The two ends of the metal wires are fixed with solder on the patches at the ends of the battery bases. Install 2pcs 14500 batteries(prepare by yourself) into the battery bases
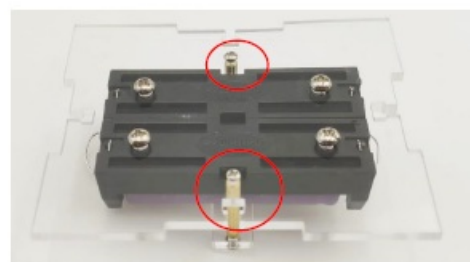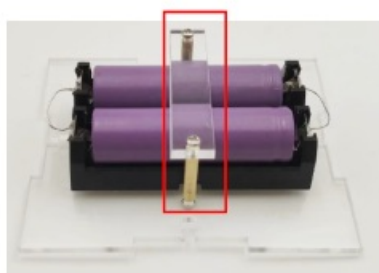
Step14: Fix batteries with small acrylic panel

Use two metal wires to connect the battery box
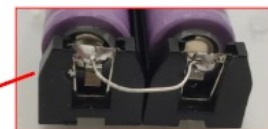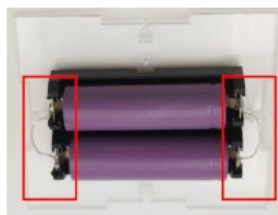
2.Install 2pcs 14500 batteries(prepare by yourself) into the battery bases

Step15: Soldering the battery base and speaker wires

Tips
Fix batteries with small acrylic panel and 2pcs Copper Pillars, Use 5mm screws to fix both ends of the copper
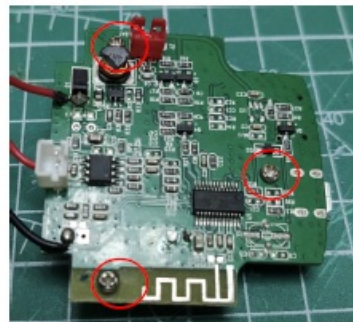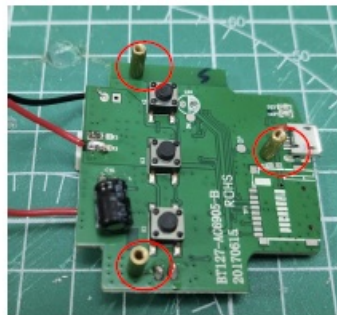
pillar.

Tips
The red wire to the positive battery base, the black wire to the negative(-) battery base.

Step16: Fix 3pcs copper pillars

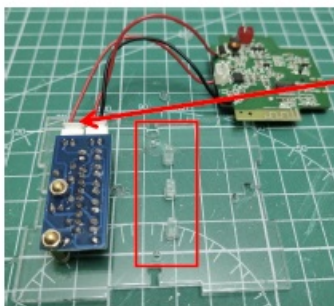**Step17:** Fix the light board to the top acrylic shell with screws

Tips
fix 3pcs copper pillars of the bluetooth mainboard with 5mm short screws.

Tips
Need to place the keys in advance before fixing the bluetooth mainboard.
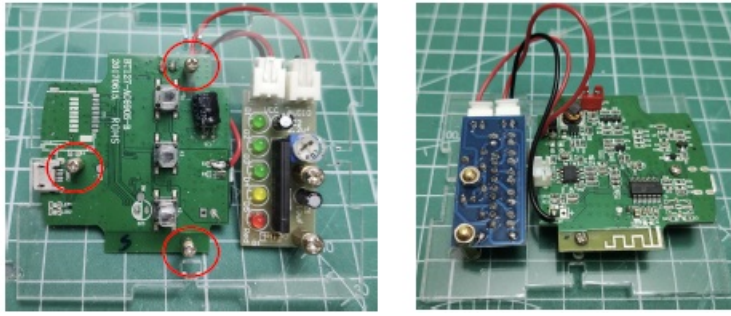
Step18: Fix the Bluetooth mainboard to the top acrylic shell

Tips:
. Need to place the keys in advance before fixing the bluetooth mainboard.

**Step19:** Connecting battery base, speaker and motherboard

Tips
First insert three transparent key covers (protective film on the key covers also need to tear off), note that the wide end of the key cover on the keys, the narrow end through the acrylic shell. Then use 5mm short screws screwed in the copper column to fix the acrylic shell.

Tips
The speaker wire is inserted into the "1" position and the battery wire is inserted into the "2" position, and test. Long press the middle key on the bluetooth mainboard to turn on, the other two buttons short press to switch the previous/next song, long press to adjust the +/- volume, Bluetooth name: M&G-A3.

Step20: Install all the shells
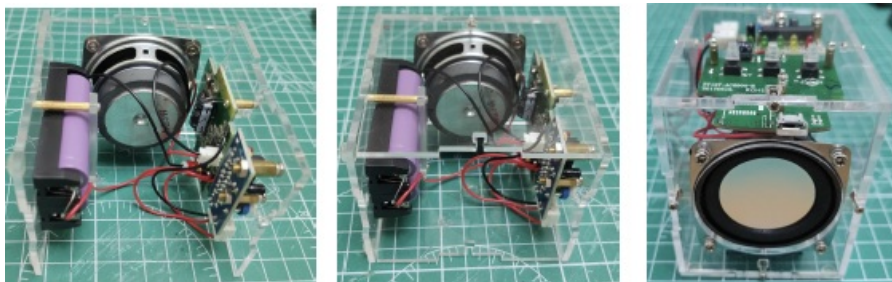
Tips
Fixed shell, the front (with speakers), back (with 6 holes) shell and top(with motherboard and light board), bottom(with battery box) shell with screws and nuts fixed together. Then fix the left and right shell.

Documents / Resources

GeekLJT Rechargeable Bluetooth Speaker Soldering Kit [pdf] Installation Guide
Rechargeable Bluetooth Speaker Soldering Kit, Bluetooth Speaker Soldering Kit, Speaker Soldering Kit, Soldering Kit, Kit

References

- [**User Manual**](#)