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> EIELEDIY Multi-Function Bluetooth Speaker Soldering Practice Kit User Manual

## EIELEDIY SF20250914B0CQGXHCSL\_B0CQGXHCSL\_1\_tHRAAo

# EIELEDIY Multi-Function Bluetooth Speaker Soldering Practice Kit User Manual

Model: SF20250914B0CQGXHCSL\_B0CQGXHCSL\_1\_tHRAAo | Brand: EIELEDIY

### PRODUCT OVERVIEW

The EIELEDIY Multi-Function Bluetooth Speaker Soldering Practice Kit is designed for electronics enthusiasts and those looking to develop soldering skills. Upon completion, this DIY kit functions as a versatile speaker supporting multiple audio input methods. It features Bluetooth connectivity for wireless audio streaming, an AUX port for wired devices, and slots for USB drives and TF cards for direct media playback. Additionally, it includes a built-in FM radio with automatic channel search and power-off memory. The speaker boasts a transparent acrylic design, a clear digital display, and 12 colorful LED lights that provide visual feedback to the audio. A remote control is included for convenient operation.



Image: The fully assembled EIELEDIY Multi-Function Bluetooth Speaker Kit, showcasing its transparent casing, speakers, control panel, LED lights, and included remote control.

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Video: An overview demonstrating the assembled Multi-functional Dual Channel Speaker Soldering Practice Kit, highlighting its features and functionality.

## PACKAGE CONTENTS

Before beginning assembly, please verify that all components listed below are present in your kit:

- Product Components (various electronic parts, acrylic case pieces, speakers)
- Owner's Manual (this document)

# All Accessories



This is a soldering practice kit that requires you to solder and assemble it yourself  
Having soldering experience will make the project go more smoothly

Image: A visual representation of all individual components included in the kit, such as the main board, speakers, acrylic panels, remote, and various electronic parts.

## SETUP & ASSEMBLY (SOLDERING REQUIRED)

This product is a soldering practice kit and requires assembly. It is not a finished product. Basic soldering experience is recommended for smoother assembly. Detailed instructions are provided to guide you through each step.

### Required Tools (Not Included):

- Soldering Iron
- Soldering Wire
- Pliers
- Screwdriver
- AA Batteries (x4) for remote control

### Assembly Steps:

1. **Component Identification:** Familiarize yourself with all electronic components and their corresponding labels on the Printed Circuit Board (PCB).
2. **Soldering Resistors:** Solder the metal film resistors onto the PCB according to the provided diagram.
3. **Soldering Diodes:** Solder the diodes, ensuring correct polarity (black-painted end matches the PCB marking).
4. **Soldering Monolithic Capacitors:** Solder the monolithic capacitors; these do not require distinguishing





Image: A visual guide illustrating specific soldering steps for components like resistors, diodes, capacitors, ICs, potentiometers, and the electret microphone.

## OPERATING INSTRUCTIONS

### Power On/Off

Locate the power switch on the assembled speaker unit. Toggle the switch to turn the device on or off. The digital display will illuminate upon power-on.

### Bluetooth Connection

To play music via Bluetooth:

1. Ensure the speaker is powered on and in Bluetooth mode (indicated by "bt" on the digital display).
2. On your mobile phone or tablet, navigate to Bluetooth settings and search for available devices.
3. Select the device named "JQ BT" to pair.
4. Once connected, you can play audio from your device through the speaker. The digital screen will display the current volume level.

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Video: Demonstration of connecting a mobile phone to the speaker via Bluetooth and playing music, showing volume adjustment on the speaker's digital display.

### FM Radio Function

To use the FM radio:

1. Switch the speaker to FM radio mode.
2. Press the "Play/Pause" button (often labeled with a play/pause icon) to initiate an automatic channel scan. The radio will scan and store all available stations in your area, naming them P01, P02, P03, etc.
3. Use the "Previous" and "Next" buttons to cycle through the stored stations.
4. The radio features a power-off memory function, resuming the last played station when turned back on after a power interruption.

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Video: Illustrates the FM radio function, including automatic station scanning and the power-off memory feature.

## AUX Input

To play music via AUX:

1. Connect an audio device (e.g., cell phone, computer, MP3 player) to the speaker's AUX port using a 3.5mm audio cable.
2. The speaker will automatically switch to AUX mode.
3. Play audio from your connected device.



Image: A close-up view of the AUX input port, labeled "AUX".

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Video: Shows how to connect an external device via the AUX input and play music.

## USB Playback

To play music from a USB flash drive:

1. Insert a USB flash drive containing audio files into the USB port on the speaker.
2. The speaker will automatically switch to USB playback mode and begin playing the music.



Image: A close-up view of the USB input port, labeled "USB".

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Video: Demonstrates inserting a USB flash drive and the speaker automatically playing music from it.

## TF Card Playback

To play music from a TF (MicroSD) card:

1. Insert a TF card containing audio files into the TF card slot on the speaker.
2. The speaker will automatically switch to TF card playback mode and begin playing the music.



Image: A close-up view of the TF card input slot, labeled "TF".

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Video: Shows how to insert a TF card and the speaker automatically playing music from it.

## Control Methods

The speaker can be controlled using two methods:

- **Remote Control:** The included remote allows for convenient operation from a distance, including power on/off, mode switching, volume adjustment, track skipping, and EQ settings.
- **On-board Buttons:** The control panel on the speaker itself features buttons for basic functions such as volume control, play/pause, and mode selection.



Image: A diagram illustrating the remote control and its various labeled buttons for different functions.

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Video: Demonstrates controlling the speaker using both the remote control and the on-board buttons.

## LED Spectrum Lights

The speaker features 12 colorful LED lights that respond to the rhythm and melody of the music, creating a dynamic visual experience. These lights enhance the ambiance and visual enjoyment of your music listening.

## MAINTENANCE

To ensure the longevity and optimal performance of your EIELEDIY speaker kit, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the acrylic case and control panel. Avoid using abrasive cleaners or solvents, which can damage the surface.
- **Storage:** When not in use for extended periods, store the speaker in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the assembled speaker with care to prevent damage to the electronic components or the acrylic casing.

## TROUBLESHOOTING

If you encounter issues with your EIELEDIY Multi-Function Bluetooth Speaker Kit, please refer to the following common problems and solutions:

- **No Power:**
  - Ensure the power switch is in the "On" position.
  - Verify that the power adapter is correctly connected and providing power.
  - Check for any loose connections or soldering errors if the kit was recently assembled.
- **No Sound:**
  - Check the volume level on both the speaker and the connected audio source.
  - Ensure the correct input mode (Bluetooth, AUX, USB, TF) is selected.
  - For Bluetooth, confirm successful pairing. For AUX, ensure the cable is fully inserted.
  - Inspect speaker connections for proper soldering and wiring.

- **FM Radio Not Receiving Stations:**

- Perform an automatic channel scan to store available stations.
- Ensure the speaker is in an area with good FM signal reception.

- **USB/TF Card Not Playing:**

- Ensure the USB drive or TF card is inserted correctly.
- Verify that the audio files on the storage device are in a supported format.
- Check if the device automatically switched to the correct playback mode.

- **LED Lights Not Functioning:**

- Inspect the soldering connections for the LED components on the PCB.
- Ensure the audio input is active, as the lights are voice-activated/music-responsive.

If the project is not completed or does not work properly after soldering, please contact customer support for assistance. Our goal is for each user to experience a sense of accomplishment when completing their project.

## SPECIFICATIONS

<b>Product Dimensions</b>	5.77 x 2.84 x 3.21 inches
<b>Item Weight</b>	13.12 ounces
<b>Model Number</b>	SF20250914B0CQGXHRSL_B0CQGXHRSL_1_tHRAAo
<b>Brand</b>	EIELEDIY
<b>Speaker Maximum Output Power</b>	1 Watts
<b>Frequency Response</b>	1 Millihertz
<b>Connectivity Technology</b>	Bluetooth
<b>Audio Output Mode</b>	Stereo

## WARRANTY AND SUPPORT

EIELEDIY is committed to providing excellent customer service. If you encounter any issues with your product or require assistance with assembly or operation, please do not hesitate to contact our customer support team. We offer professional support and aim for 100% customer satisfaction.

For common questions, please refer to the FAQs section on our brand page or contact us directly:

- **About Project Quality:** EIELE places great importance on the quality of its projects, and all kit parts are rigorously tested, high-quality components.
- **About Project Difficulty:** The difficulty of the project varies, but each project is equipped with detailed instructions, clearly labeled components and soldering steps, so that users can easily get started.
- **About Project Difficulties:** If the project is not completed or does not work properly after soldering, please contact customer support immediately. Our goal is for each user to experience a sense of accomplishment when completing their project.

Contact information for customer support can typically be found on the product packaging or the retailer's website where the product was purchased.

