

IS Button Control Music Player PCB Board

Icstation Recordable Sound Module (8M Button Control) User Manual

Model: Button Control Music Player PCB Board

1. INTRODUCTION

The Icstation 8M Button Control Recordable Sound Module is a versatile electronic component designed for integrating custom audio into various DIY projects. This module features 8MB of internal storage, supporting MP3 and WAV audio formats, and is controlled by a simple push button. It is ideal for creating personalized musical greeting cards, custom sound effects for models, or interactive displays.



The sound module can be incorporated into various creative projects.

2. PRODUCT OVERVIEW

This module provides a compact solution for adding audio playback capabilities to your projects. It includes the main circuit board, a speaker, and a push button for activation.

Key Features:

- **8MB Memory:** Stores MP3 and WAV audio files.
- **USB Connectivity:** Connects to a computer via Micro USB for file transfer.
- **Button Control:** Simple push-button activation for audio playback.
- **Adjustable Volume:** Integrated volume control.
- **Programmable Trigger Modes:** Supports button and TTL trigger modes via solder pads.



Main components of the Icstation Recordable Sound Module.

3. SETUP INSTRUCTIONS

3.1. Power Supply Connection

The module requires a power supply voltage of 4.5-5V. A 3.7V lithium battery (not included) is recommended for portable applications, with an output power of 0.5-1W. Connect the red and black wires from your power source to the corresponding terminals on the module.

3.2. Audio File Upload

1. Connect the module to a computer using a Micro USB data cable. Ensure you use a USB 2.0 port (typically black or white) for proper recognition.
2. The module will appear as a removable disk drive on your computer.
3. Drag and drop your desired MP3 or WAV audio files directly onto this disk drive.
4. Safely eject the module from your computer once files are transferred.

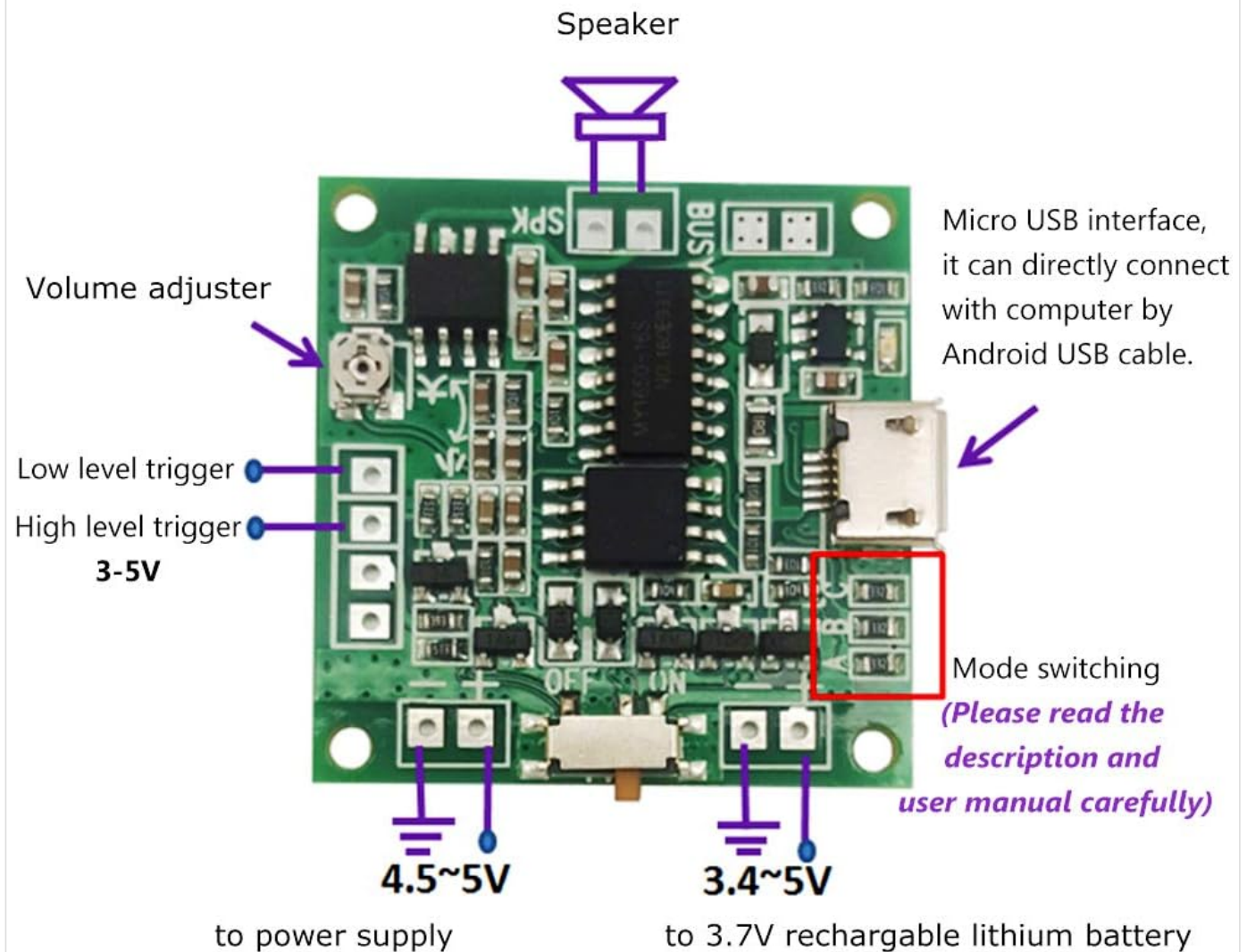
3.3. Speaker and Button Connection

Connect the included speaker and push button to their designated ports on the module. The speaker connects to the 'SPK' terminals, and the button connects to the trigger input pins.



Module connections for power, USB, speaker, and trigger.

TTL Trigger Mode



Speaker and button connections.

4. OPERATING INSTRUCTIONS

4.1. Playing Audio

Once the module is powered and audio files are loaded, simply press the connected push button. The module will play the loaded audio once and then automatically stop.

4.2. Volume Adjustment

The module features an onboard volume adjuster. Use a small screwdriver to carefully turn the potentiometer to increase or decrease the playback volume to your preference.

4.3. Trigger Mode Selection

The module supports different trigger modes (button/TTL) which can be selected by connecting specific solder pads on the board. Refer to the detailed diagram on the product page or the full user manual for specific configurations if you require TTL triggering.

This video demonstrates the Icstation recordable sound module being used in a greeting card, showcasing its functionality for DIY projects.

5. MAINTENANCE

- Keep the module dry and away from moisture.
- Avoid exposing the module to extreme temperatures or direct sunlight.
- Handle the circuit board with care to prevent damage to components.
- Clean the module gently with a dry, soft cloth if necessary. Do not use liquid cleaners.

6. TROUBLESHOOTING

6.1. Module Not Recognized by Computer

- Ensure you are connecting to a USB 2.0 port (typically black or white). Some USB 3.0 ports may not recognize the module correctly.
- Try a different Micro USB data cable.
- Restart your computer and try again.

6.2. No Sound Playback

- Verify that the module is receiving adequate power (4.5-5V).
- Check that the speaker is correctly connected to the 'SPK' terminals.
- Ensure audio files (MP3 or WAV) have been successfully uploaded to the module.
- Confirm the push button is properly connected and functioning.
- Adjust the volume potentiometer on the module.

7. SPECIFICATIONS

Feature	Detail
Brand	IS (Icstation)
Model Name	ICStation 8M Recordable Sound Module
Model Number	Button Control Music Player PCB Board
Special Feature	Voice Recorder
Connectivity Technology	USB
Memory Storage Capacity	8 MB
Power Supply Voltage	4.5-5V (Recommended: 3.7V Lithium Battery)
Supported Standards	MP3, WAV
Item Weight	0.04 Kilograms

8. WARRANTY & SUPPORT

Icstation products are designed for quality and reliability. For any technical assistance, troubleshooting, or product-related inquiries, please visit the official Icstation store on Amazon or contact customer support through the platform where the product was purchased.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question