Icstation B01M35VHY5 8M Sound Module Button Control
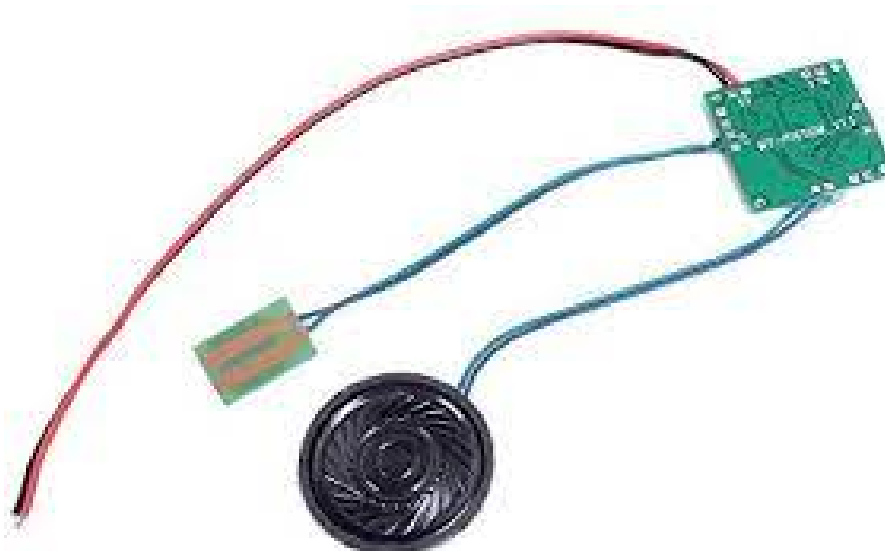
Contents

Icstation B01M35VHY5 8M Sound Module Button Control

It is ideal to make a DIY music box, musical greeting cards, memorabilia, photo frames, album, gift box and the

other creative gifts. Press the button. the module starts to play the song you put in and automatically stops when finishes.

Parameters

- Power Supply Voltage: 4.5-5V or 3.7V lithium battery
- RAM: 8M
- Output: 0.5-1W
- Control mode: button / TTL
- Board Size: 30*30mm Speaker Size: D36mm

Features

Button Trigger

Press the button, you will hear the song. Press the button during playback, then it will stop playing immediately. The 0.5W speaker is loud and has good sound. The sound level was good enough for a music box. Volume is adjustable using a small potentiometer on the circuit board.

8M Memory

It is recognized by computer as a USB drive, just like a MP3 player, and you're free to add any MP3/WAV= audio file to the internal storage as long as it doesn't go over the 8MB limit. Please note that a micro USB DATA Cable needs to be used to interface with this sound module. A micro USB charging cable is insufficient and will not work.

Power-ON-Play Mode

It will enter Power-ON-Play mode if short circuit two pads of the button. That is to say, it will immediately play the songs when power on

Instructions

1. Connect 4.5V⁻5V battery power(3.7V battery is ok).
2. Press the button, then you will hear a test music. Press the button during playback, then it will stop playing immediately.
3. Connect the module to computer by **USB DATA cable.** SUPPORT WINDOWS ONLY
4. It is recognized by computer as a USB drive, just like a MP3 player, and you're free to add any MP3/WAV audio file to the internal storage as long as it doesn't go over the 8MB limit.
5. Format(FAT 32) the disk before you put new songs.
6. Repeat Step 2 to see if the module work well. Adjust the volume to a suitable degree.

Advanced

Mode Switch
Recommend for advanced user who familiar electronic circuit. You can change to other mode by removing the resistor on the board. Give you more possibilities to develop this board

A	B	C	Button Control
0	0	0	It will play the music once you press the button. If you press the button again during playing, it will stop immediately.
0	0	1	You need to hold down the button to play the music. It will stop once you release the button.
0	1	0	You need to hold down the button to play the music. It will cycle again and again if you keep holding. It will stop once you release the button.
0	1	1	It will play the music once you press the button. If you press the button again during playing, it will replay from the beginning.
1	0	0	It will play the music once you press the button. The button cannot be used during playing. It is available after the music stops.
1	0	1	It will play the music when you press the button and keep cycling before your second press.
1	1	0	It will play the music once you press the button. The button cannot be used during playing.It is available after the music stops. If the time you hold down the button is longer than the time of the song, the module will begin to cycle. You can only put one song into it under this mode.

In the table, '0' means having 3.3K resistor; '1' means without 3.3K resistor. You can see that there are 3 resistors on the board, so the default mode is 000 (It will play the music once you press the button. If you press the button again during playing, it will stop immediately)

You can change to other mode by removing the resistor on the board. For example, if you want to set 001 (Under this mode, you need to hold down the button to play the music. It will stop once you release the button.), you need to remove the third resistor that marked C on the board. To remove the resistor, you need a soldering iron to melt the solder and take the resistor away. It is a little difficult if you are not good at soldering so we recommend you to use 000 default mode.

Q&A

Q: Can I power the board with a USB battery stick? I used a power stick as power supply, the file will not play.

A: The micro-USB connector is not for powering the device. It is for adding or removing songs. Please wire battery to the red/black wires. The red wire is positive

Q. Why my Windows computer can't recognize the module?
A: Please note that a micro USB DATA Cable needs to be used to interface with this sound module. A micro USB charging cable is insufficient and will not work

Documents / Resources

Icstation B01M35VHY5 8M Sound Module Button Control [pdf] Instructions
8M, Sound Module Button Control, 8M Sound Module Button Control, B01M35VHY5