# Button Control 8M Voice Playback Module

## Description:

It is a Button Control 8M Voice Playback Module. It can play music by press button and update music by micro USB socket. It can be used for DIY greeting cards, music boxes, gift boxes, toys and more.

## Features:

1>.Built-in default test sound.Test and then delete
2>.8M storage memory
3>.Button trigger, simple playback
4>.Chargeable for battery

## Parameters:

1>.Product name: Button Control 8M Voice Playback Module
2>.Input voltage: DC 4.5V-5V or 3.7V lithium battery
3>.Storage: 8M
4>.Output: 0.5W-1W
5>.Control mode: Button or TTL
6>.Work temperature: -40℃~85℃
7>.Work humidity: 5%~95%RH
8>.Module size: 30*30mm
9>.Speaker diameter: 36mm

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## Use Steps:

### 1>.Note:

1.1>.Micro USB is used to update the voice file and cannot provide the power needed for playback. So it can not play music if just connect USB.
1.2>.Please remove USB before play music.

### 2>.Please format the voice module before use:

#### 2.1>.How to format:

2.1.1>.Please use USB data wire but not use USB power wire. USB data wire can transmit data and USB power wire can not.
2.1.2>.Connect play module to Windows PC by USB data wire just like U-disk connect PC that can be identified as a removable device.
2.1.3>.Select device and click right mouse and select ‘Format’.
2.1.4>.Select ‘FAT32’ file system and then click ‘OK’ to format memory.

### 3>.Test:

3.1>.Connect the red/black wire to power.
3.2>.Press button to play music; Press again to stop during playing. Or it will automatically after playing.

## 4>.Update music file:

4.1>.Please use USB data wire but not use USB power wire. USB data wire can transmit data and USB power wire can not.
4.2>.Connect play module to PC by USB data wire just like U-disk connect PC that can be identified as a removable device.
4.3>.Delete the original file, then copy and duplicate the new music file.
4.4>.Remove the module from PC and then connect it to power.
4.5>.Press button to play new music.

## Switch Play Mode:

1>.User can modify the working mode by change play mode. However, it is not recommended to modify the circuit if it is not necessary, otherwise it may damage the circuit.
2>.It is use 3pcs 3.3K resistor at A/B/C pads to change mode;
3>.In table: '0' means connected 3.3K resistor; '1' means no 3.3K resistor.
4>.Default mode: 000. User can change mode by yourself.
5>.Change play mode: It will enter Power-ON-Play mode If short circuit between two pads of button. It will play voice immediately after power on.

| A | B | C | Button Control Method | TTL Control Method |
|---|---|---|---|---|
| 0 | 0 | 0 | 1.Press button to play once and stop.<br>2.Stop immediately after press during playing | 1.Input H/L level signal to play once and stop.<br>2.Stop immediately after input H/L signal during playing. |
| 0 | 0 | 1 | 1.Play once and stop when keep press.<br>2.Stop immediately if release button during playing. | 1.Play once and stop when keep input H/L signal.<br>2.Stop immediately if remove input during playing. |
| 0 | 1 | 0 | 1.Loop play if keep press.<br>2.Stop immediately if release button during playing. | 1.Loop play if keep input H/L signal.<br>2.Stop immediately if remove input during playing. |
| 0 | 1 | 1 | 1.Press button to play once and stop.<br>2.Replay from start immediately after press during playing | 1.Input H/L level signal to play once and stop.<br>2.Replay from start immediately after input H/L signal during playing. |
| 1 | 0 | 0 | 1.Press button to play once and stop.<br>2.Press again is invalid during playing. | 1.Input H/L level signal to play once and stop.<br>2.Input H/L again is invalid during playing. |
| 1 | 0 | 1 | 1.Press button to loop play all musics.<br>2.Stop immediately if press during playing. | 1.Input H/L level to loop play all musics.<br>2.Stop immediately after input H/L signal during playing. |
| 1 | 1 | 0 | 1.Press button to play once and stop.<br>2.Press again is invalid during playing.<br>3.Loop play if time T1 for keep press is more than the time T2 for music play time.<br>4.This mode requires that only 1 music file | 1.Input H/L level signal to play once and stop.<br>2.Input H/L again is invalid during playing.<br>3.Loop play if time T1 for keep input H/L is more than the time T2 for music play time.<br>4.This mode requires that only 1 music file can |

| | | | | |
|---|---|---|---|---|
| | | | can be stored. | be stored. |

## Note:

1>.It just can play MP3 music file.
2>.Please read use manual and description before use.

## Package:

1>.1pcs Button Control 8M Voice Playback Module
2>.1pcs Micro USB data wire

## Frequently Asked Questions:

1>.Q: It came with Micro USB cable?
A : Yes, it came with Micro USB cable.
2>.Q: It came with battery?
A : No, it came without battery. It needs to be connected to 4.5-5V power supply or 3.7V battery.
3>.Q: Does it support key recording?
A : No, it does not. It just support USB. Download voice file by micro USB.
4>.Q: Is there a default voice?
A : Yes. User can format memory to clear this voice if you don’t need it.
5>.Q: Does it already have a power source?
A : It do not include the power source, please provide yourself, 18650 battery or lithium battery are both OK.
6>.Q: Can I use an external power transformer to power this unit?
A : Yes, you can. There are 2 power supply terminals, one for 4.5V-5V non-rechargeable power supply. Another for 3.4V-5V rechargeable battery. You can use the power transformer to 4.5V-5V terminals.
7>.Q: If I soldering a chargeable 3.7v battery to this board, can the USB both power the unit and charge the battery and is it that simple?
A : Yes, this board support battery charging functions, please note that you need to soldering the lithium battery to the 3.7V input terminals.
8>.Q: Can it play more than one file? Like, can we load 5 files on it, and it plays them one at a time for each time I push the button?
A : Yes, it can play more than one music. But please the internal storage couldn’t go over 8M, and it can not choose to play the specified music because it just can play once or loop play.

## Troubleshooting:

1>.If the computer does not recognize the module:
1.1>.Please use USB data wire but not use USB power wire.
1.2>.Support windows only.
2>.If it can't play music:
2.1>.Format the module first and then insert the music file.

2.2>.Micro USB is used to update the voice file and cannot provide the power needed for playback. So it can not play music if just connect USB.

2.3>.Please remove USB before play music.

3>.Please Note:

3.1>.Do not touch the product with metal objects after connecting the power supply.

3.2>.Before use, please check whether the components of the product fall off or are not firmly soldered.