Shenzhen Waytronic Electronics Co.,Ltd. WT®

Microsound V22.15
Voice Prompter
(Body Induction)

Note:

1. Brief introduction

   Microsound can sense human activity information with the technology of infrared pyroelectric principle. When someone enters the induction range, it can accurately identify the human activities. It looks like a cat's eyes, not depending on light. Even in the dark environment, it can work stably and reliably, overcoming the shortcomings of light induction.

   It is small and exquisite, easy to carry and has a beautiful sound. Human body induction triggering, large induction range, sensitive. Intelligent triggering, no need to have manual operation. One of the main characteristics is using our company's mature technology of human body induction. When detecting the human body passing it will give warm prompts, warnings and welcomes or other voice at the first time. According to the different applications, different audio files can be replaced at any time.

   This product has been used in the exhibition hall, subway station, elevator, gated prompt, automatic loudspeaker, advertisement and other promotional occasions.

2. Product features

➢ Small and exquisite, MP3 audio format, excellent sound quality.
➢ Two levels volume for option, small or maximum.
➢ Human body induction, induction distance within 4 meters.
➢ Using WT2003 voice chip solution, unrepeatable triggering pulse.
➢ Standard 32Mbit SPI-flash, available to replace capacity according to customer requirements.
➢ A and B buttons are corresponding to the previous audio, the next audio.
➢ Power-down memory function.
➢ Micro USB interface.
➢ Support to replace the audio files of SPI Flash through USB interface on computer.
➢ 3 AAA batteries or USB for power supply.
➢ Built-in 8Ω 1 watt speaker.

3. Electrical parameters

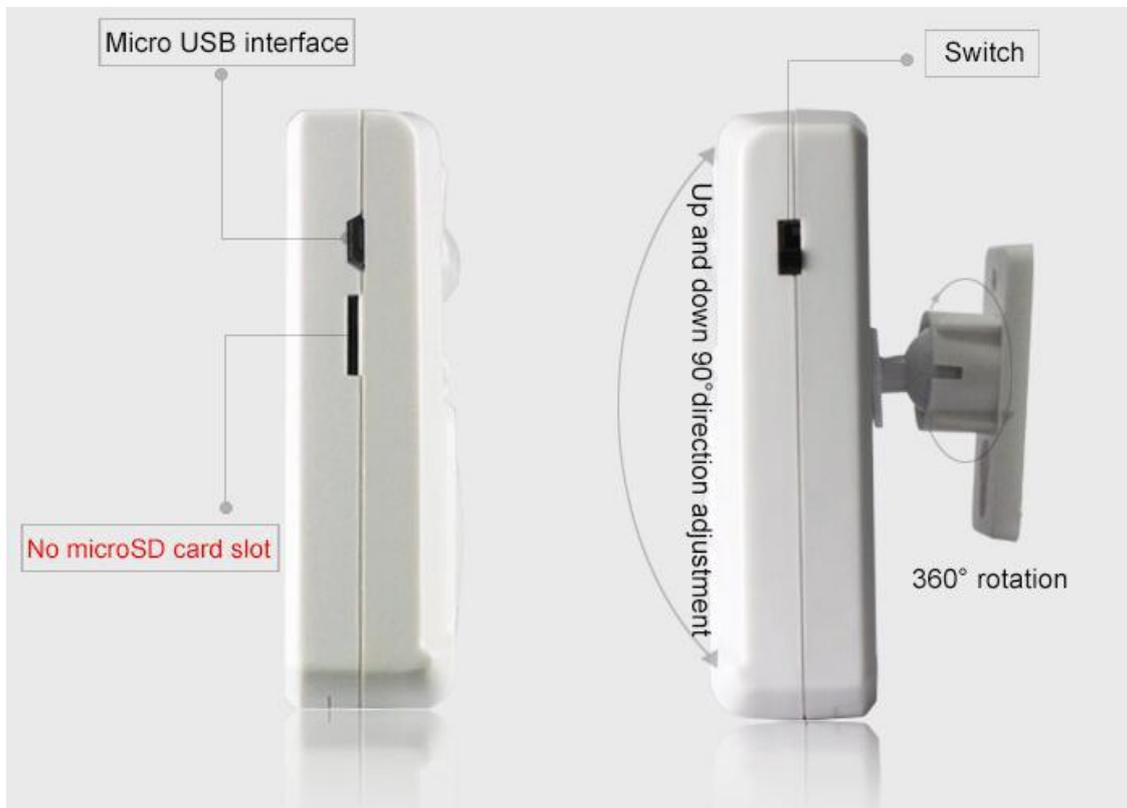| Power supply mode	DC3V~ 5V stabilized voltage supply		
Working Current	Sleep standby mode		≤100uA
	Playing mode		≤130mA(DC4.7V)
Audio Format	MP3	Bit Rate: 8~320Kbps	
Audio Output Power	8Ω/1W(typical value)		
Infrared Induction Range	≤4m(120° Angle)		

4. Appearance introduction

This product is easy to use. Support voice file replacement on computer through USB interface, but not support to read SD card. It includes a micro USB interface, two keys A and B, a slide switch.

Infrared sensor

POWER LED

Key A

Key B

Speaker hole

Key A: short press to play the previous audio.

　　　　long press to switch A or B mode. Flashing once means the success of switching to A mode
　　　　(all loop cycle); flashing twice means the success of switching to B mode (single loop cycle).

Key B: short press to play the next audio.

Micro USB interface

Switch

Up and down 90°direction adjustment

No microSD card slot

360° rotation

micro USB interface is used for connecting power adapter to supply power for the device,
or connecting computer to download audio files. SD card slot is spare, not used in this version.

Slide Switch	To the bottom	Switch off
	To the middle	Small volume
	Uppermost	Maximum volume
Playing indicator light	Light off	Power off or no voice playing
	Light on	Voice playing
Button A	Short press	Play the previous audio
	Long press	Switch to A/B mode: Indicator light flashes once, means it is A mode(loop sequence), flashes twice means it is B mode(single playback).
Button B	Short press	Play the next audio
Micro USB interface	Connect DC5V power adapter or computer	Supply power; download audio files.

★ Note:

1. When switch on, wait about 20S, then it can work normally. Within 4 meters, when people or animal walk by, it will trigger the sensor to play voice.
2. Each time, after triggering to play voice, you need to wait 2S, then it can trigger again to play voice.
3. Each time, after triggering, go out of the induction range and enter the range again, then it can have a better effect of the next trigger.
4. In B mode, you only need to short press key A or B to select audition of the triggering voice, need no other operations.
5. Key function is only valid during the process of voice playing. If no voice play, it's invalid to press key.
6. If plug in the power, please remember to remove the batteries to avoid unexpected accidents.

5. Audio download

It's easy to replace audio files. Just use USB cable to connect to computer, here will appear a drive. You just need to copy audio files into this drive.

★ Note:

1. The audio file size should be not more than internal FLASH capacity. Only support MP3 audio format.
2. After copying is complete, sometimes play a section voice. When finishing the voice play, 3 seconds later, it can trigger and play again.
You can copy any voice, tones, music, into this product, as long as the format is MP3, within memory capacity. Besides, you can make your own personalized voice.

6. Brief operation introduction

How to replace voice files:

1. Convert the voice into MP3 format.

2. Connect to computer by USB cable. Computer will automatically appear a "removable disk".

3. Format the "removable disk".

4. Open it by double-clicking, choose voice files to copy.

Infrared principle: the temperature of induction area rises suddenly, then trigger induction.

Only suitable for indoor use.

If environment temperature is over 30℃, infrared induction distance will be shortened, which is a normal phenomenon.

If environment temperature is over 37℃, infrared induction will be invalid, because human body temperature is 37℃, so it cannot sense.

Induction distance too short?

Reason 1: low battery (you can use regular alkaline batteries)

Reason 2: environment temperature too high, influences its induction distance.

Reason 3: after playing a section voice, there will be 3 seconds interval. Wait 3s, then it can trigger and play.

Reason 4: when testing, if parallel with infrared ray, it will be unable to trigger effectively. You should walk form the left of device to the right, forming a cross with infrared ray, then it can trigger.

Normal induction distance is 0-3 meters. If the temperature is high, induction distance is about 2 meters.

If there is electric fan or air conditioner blowing, influence on the temperature of induction area, it can trigger to play voice.

So you'd better to choose the environment to test where there is no electric fan or air conditioner blowing.

7. Installation

◆ Side wall mounted

About 1.5 meters above the ground is the best. About 1 meter far from the door-frame. Use the mounting holder to fix the device, toward the door, 45°(see picture).

◆ Installed on the top of the door

About 2 meters above the ground is the best. Lay across, paralleled with door-frame. If door-frame is wide, installed crosswise.

Detailed installation depends on the environment, just installed where people pass by. It can be used for reminding, sales promotion, doorbell, visitor welcome, etc.

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