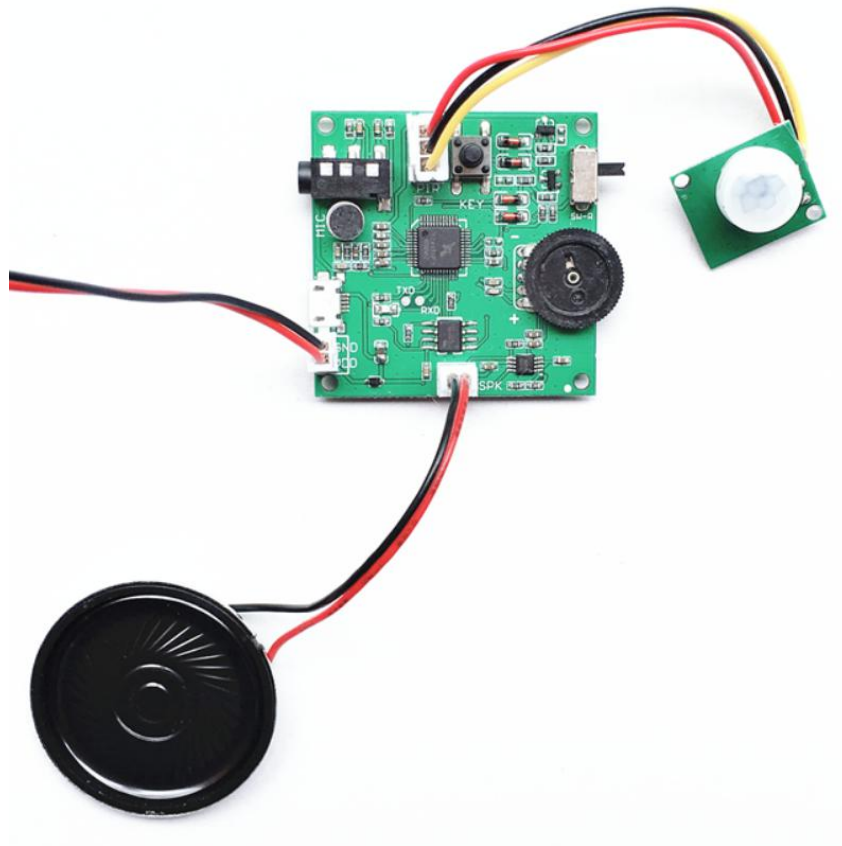


# **FN-AP01 PIR Motion Sensor Activated Audio Playback Module**

**(Voice Recorder Based)**

**User's Manual**

**Version: V2.0**





### Features

1. Built in a high quality audio recorder, and supports microphone recording mode and line-in recording mode.
2. Uses PIR motion sensor to trigger audio playback, and the detection range can be up to 4 meters.
3. Equipped with a flash memory that can store max. 120 seconds recording in microphone mode and max. 60 seconds in line-in mode.
4. Make recording through pushing the recording key, and it's easy to operate.
5. The earlier recording will be covered with the new recording, and only one recording exists.
6. Uses the sliding switch to switch the recording modes.
7. Adjustable volume with the volume wheel.
8. Great performance and low power consumption.
9. DC 3.7-5V power input (3xAA or 3xAAA batteries preferable). Also can be powered through the micro USB port with a phone charger or 5V 1A power adapter.
10. Main board size: 45mm x 45mm  
PIR board size: 20mm x 18mm

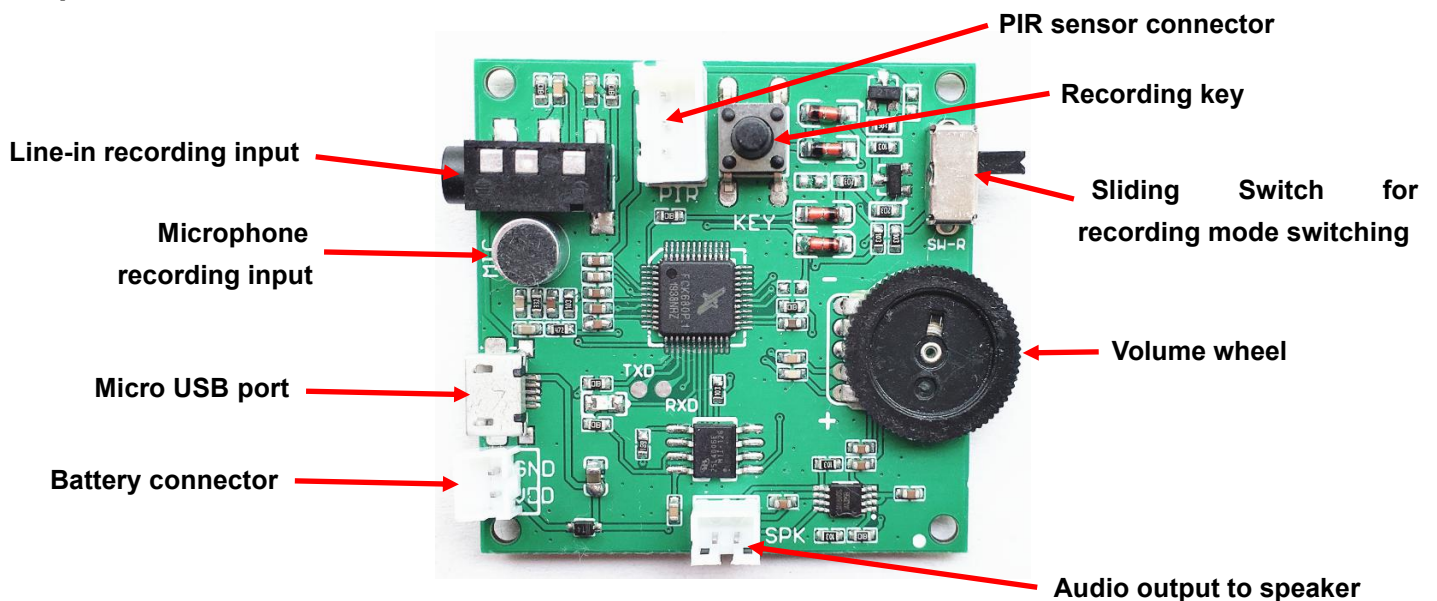
### Applications

Audio advertising player for supermarkets or shops, talking sign for POP displays and point of sales, smart doorbell, door greeter, automatic explanation machine, audio memo reminder, security alarm and so on.

### Technical Parameters

Power Input	DC3.7-5V	
Working Current	Standby State	≤10uA
	Playing State	≤200mA (DC4.5V)
Audio Output Power	8Ω/1W (typical value)	
Detection Range	≤4m (120°angle)	

### Operation Guide





**Note: The micro USB port is used to connect with a phone charger or a 5V 1A power adapter to supply power to the module.**

### **Steps on how to make a recording**

1. Power on the module (be noted that the module itself has no power switch), and wait about 10 seconds initialization.
2. Choose the recording mode you need using the sliding switch (the upper end is for line-in recording while the low end is for microphone recording).
3. When you choose line-in recording, please follow the steps below.
  - 1). Before line-in recording, you need to connect it to your cell phone or computer via a two-end 3.5mm audio cable.
  - 2). Prepare the audio message on your cell phone or computer. Open the music app and target the audio message you are going to record into the device.
  - 3). Short press the recording key and you will hear a “beep” that means the recording gets started, then play the audio message targeted on the app.
  - 4). When the audio message goes to the end or you stop it, short press the recording key on the device and now you will hear the “beep” for two times that means the recording is done.
  - 5). When the PIR sensor gets detected, the module will play back the recording. And every time you power it on the module, it will always play back this recording if you don’t record a new one.

**Note: Please adjust the sound volume as loud as possible on the app to ensure the recording on the device will have a loud sound volume.**

4. When you choose microphone recording, please follow the steps below.
  - 1). Short press the recording key and you will hear a “beep”, get as close as possible to the microphone and speak to it.
  - 2). When your speaking is finished, short press the recording key again and you will hear the “beep” for two times. The recording is done.
  - 3). When the PIR sensor gets detected, the module will play back the recording. And every time you power it on the module, it will always play back this recording if you don’t record a new one.

**Note: No matter which recording mode you choose, the new recording will always cover the earlier recording.**