

Operational Description

Product Description

This product integrated a Bluetooth chipset to support the Bluetooth function that allows users to use it as a speaker as the primary usage of this device.

The brief introduction of the circuit

1. IC FP1 is ISSC Bluetooth chipset. The Bluetooth signal is transmitted and received through the antenna system consists of the copper antenna ANT1.
2. Power of the whole body is provided by 3.7V battery.
3. DC 5V input is for charge. The micro USB port supports only charging function, it does not support that an information exchanged between device and PC or laptop;
4. Line in port is to connect audio source by line in cable to input audio signal, USB port decodes music from USB flash disk. ON/OFF button is to turn on or turn off the speaker.
5. U5 IC is MCU master control IC, it is to decoding USB, button control, input switch among USB, Bluetooth and line in, and output audio source to amplifier IC.
6. U2 is to amplify audio signal provided by master control IC and motivate loudspeakers.
7. U3 is to boost lithium battery 3.7V to 5V.