

## Operation Principle

|                              |                              |                   |
|------------------------------|------------------------------|-------------------|
| Operation frequency:         | BT                           | 2402 MHz~2480 MHz |
| Modulation Type:             | GFSK, $\pi/4$ -DQPSK, 8-DPSK |                   |
| Antenna type(s) and Gain(s): | PCB antenna 0dBi             |                   |
| Power Supply Range:          | AC100-240V,50/60Hz           |                   |

This Product is a Speaker with Bluetooth Wireless Technology, works with AC100-240V,50/60Hz.

Its circuits include MPU system, USB HOST interface, BT module and PMU unit.

IC2(ADAU1701) is the main IC of the whole system. Y3 is a 12.288MHz crystal, it provides a sine clock signal for IC2(ADAU1701).

The BT module is IC3(CH340T),Y2:12MHz Crystal oscillator for RF IC circuit transmitting out PCB antenna.