

Circuit description

This product is a Bluetooth speaker, uses JL AC6965E as a control center to process the audio and BT protocol. It is powered by DC 3.7V from Battery or DC 5V from type-c USB port
Connect Bluetooth and play music.

The main functions of integrated circuits are as follows:

U2 AC6965E is the MCU of the RF transceiver

Y1 is a 24MHz crystal oscillator for clock signals

U1 is the AXS2030 power amplifier

Operating frequency: 2402-2480MHz

Modulation type: GFSK, $\pi/4$ -DQPSK, 8DPSK

Antenna type: PCB antenna

Antenna gain: -0.58dBi