

This product is a Bluetooth speaker that can be connected through Bluetooth, which includes charge management, Bluetooth IC, power amplification and other parts.

1. The charge management part is 5V input by the MICRO base. The U3 CL4054H charge management chip charges the lithium battery, and the lithium battery supplies power to the Bluetooth and power amplifier.

2. The 22-pin antenna of the Bluetooth (U1) IC receives and transmits RF signals to be paired with other Bluetooth devices. The audio received by Bluetooth is output to the 4-pin audio signal of ANT8188 power amplifier (U2) through pin 12 of the Bluetooth IC. After the power amplification part ANT8188 amplifies the audio signal, the 5 and 8 pins output push the speaker to make sound.

3. Pin 21 of the Bluetooth (U1) IC receives the FM radio antenna. After the Bluetooth chip processes the FM audio signal, the audio is output to the 4-pin audio signal of the power amplifier (U2) ANT8188 through the 12 pin of the Bluetooth IC. After the power amplification part ANT8188 amplifies the audio signal, the 5 and 8 pin output push the speaker to emit sound.

4. Battery: 3.7V 600mAh ; Charging input: 5V

5. Operating frequency: 2402MHz-2480MHz

6. Bluetooth chip: AC6965E

7. Crystal oscillator: 24MHz