

Operating instructions

1.Overview

This product is a Bluetooth headset using JerEH AB5616A QFN20 3*3 Bluetooth 5.3 solution. After turning on the phone, the audio is connected to the phone through two-way control to play music, and you can make and receive calls. When the main AB5616A QFN20 3*3 and crystal oscillator (Y1 26MHz) receive the Bluetooth information, it is amplified to the Speaker through the audio amplifier speaker. The audio built-in battery is charged with DC-5V. When fully charged, the charging indicator goes off.

2.Key components

Y1: Crystal oscillator, 26MHz provides working clock for the main control chip.

3.Work principle

1) RF part circuit

The Rf transceiver circuit consists of antenna equipment.

2) Receive mode

By antenna and wireless signal transmission to the microcontroller.

3) Transmit mode

4.Performance parameters

Bluetooth Version:	Bluetooth V5.3
Hardware Version:	N/A
Software Version:	N/A
Operation Frequency:	Bluetooth: 2402-2480MHz
Type of Modulation:	Bluetooth: GFSK, $\pi/4$ DQPSK
Number Of Channel	79CH
Antenna installation:	Bipolar Antennas
Antenna Gain:	1.96dBi
Ratings:	DC 5V From Adapter DC 3.7V From Battery
Battery:	3.7V 30mAh 0.11Wh