

一. Main Parameter:

Power: 3.7V /500mAh Li-ion battery

Charging Voltage: DC 5V

Speaker Impedance: 3Ohm

Output Power: 1.5W

二. Main Function:

1. Bluetooth speaker
2. LINE IN playing
3. USB charging

Circuit Description:

1. Bluetooth mode:HX-P235

Audio signals goes through Bluetooth module 24-27pin, then pass through consecutively C5 C7 C12 C13 C16 C51 C12 R8 R11 , reach amplifier U9 (FT-2128), amplified audio signal goes though 5pin & 8pin of amplifier and at last reach to speaker.

Key operation: single press S6 (play/pause/handsfree), press S2 / S7 at the same time (disconnect Bluetooth connection), single press S2/ S7 (Vol - / +), long press S2/S7(previous / next song).

2. Line-in mode:

Audio signal goes from JK1 (earphone socket) to Bluetooth module, then pass through consecutively C5 C7 C12 C13 C16 C51 C12 R8 R11 , reach amplifier U9 (FT-2128), amplified audio signal goes though 5pin & 8pin of amplifier and at last reach to speaker.

3. USB charging:

Built-in 3.7V/500mAh li-ion battery, when it's low battery, then charging at DV 5V by micro-USB from IC HX6001 (U6).

4.The micro USB charging function, is not used for data exchange.