

Operational Description

Product Description

This product integrated a Bluetooth chipset to support the Bluetooth function that allows users to use it as a speaker as the primary usage of this device.

The brief introduction of the circuit

1. IC U1 is OVC3860 Bluetooth chipset. IC U2 is 24C02 EEPROM.
12MHz crystal, DC/DC, balun and other components and the Bluetooth signal is transmitted and received through the antenna system consists of the copper antenna ANT1, and the matching circuit C1, C2 and L3.
The bluetooth Chip U1, the working frequency is 2402-2480 MHz, 79 channels. The master crystal frequency is 12 MHz.
2. Power of the whole body is provided by 3.7V rechargeable BL-5C battery.
3. DC 5V input is for charge, and the charger is controlled by U5 IC4054.
The USB port supports only charging function, it does not support that any information is exchanged between device and PC or laptop.
Power Supply of this product with rechargeable polymer lithium-ion battery, power supply voltage is 3.7V, charging input voltage DC 5V, the charge current and charge at the completion of such managed by U5.
4. Music signal through AU7850D decoding, then sent to power amplifier IC: NS4203.