Operational Description:

The product is a Bluetooth Headset, the use of Csr Bluetooth Chip BC6150, Bluetooth 2.1 standard, Supports Bluetooth Headset and Handsfree profiles，This product and other Bluetooth devices connected through the pair, implementation, and wireless voice communications between Bluetooth devices, and Bluetooth headset paired ,the Bluetooth devices need to support HSP HFP profiles can use。

BC6130 (U1) is the core of the product components,It contains a Bluetooth radio, baseband, DAC/ADC, audio codec, linear regulators,switch-mode power supply and battery charger，

EEPROM (U2) is the product of the software memory，through the software control of the LED instructions, key operation, sound volume, charge management。

Product through the two LED to indicate status, including the charge status, Bluetooth connection status, low-power state, the instructions talk and standby state.

Product use 32 ohm speakers 5mw, Bluetooth wireless receiver to the voice signal decoded by BC6150 after the internal DAC output driver speaker; MIC signal is amplified by U1 and the ADC internal signal after the conversion out over Bluetooth.

Product of the system clock 16MHz provided by the Y1, by U1 Internal Frequency multiplier to the 2.4GHz ISM band, operating frequency of 2.402-2.480GHz,The modulation   is GFSK for 1M data rate,   1/4-DQPSK for 2M data rate, and 8DPSK for 3M data rate. Fast frequency hopping (1600 hops/s) is used over a total of 79 channels between 2.402 GHz up to 2.480 GHz. The channel bandwidth is 1 MHz.

This product is used PCB antenna, to distance within the range of 10 meters, RF output power for maximum 4dbm.

Use of polymer lithium battery-powered, you can use repeatedly charging, charge management chip from U1 completed,charging time of two hours to complete,