

## Circuit Principle description:

This is an adoption of CSR CHIP program mono Bluetooth headset, use the chips BC413159B10 (U2), in line with BLUETOOTH2.0 + EDR specification, which is a single chip radio and baseband IC for bluetooth 2.4GHZ systems including enhanced data rates (EDR) to 3Mbps.

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 U2, the charge indicator light for the D1, charging for the the red LED has been light, the charge saturated red LED off;

The plane formed by the three buttons, a multi-function button S3, and volume control keys S1 and S2, the voice of the size of adjustable headset speaker.

System, the base frequency of 16MHZ, through-chip PLL circuitry inside the octave to the 2.4GHZ band, RF transmitter and receiver integrated into the U2 internal, RF signals through the PCB to achieve receive and transmit antenna A1,

Use of PCB antenna, impedance matching at 2.45GHZ, wireless communications distance of 10 meters,