

## **Operational Description**

The BTSP06 Bluetooth speaker is based on IS1684S-202 chipset; it is support Bluetooth and Line in playing. It is compliant to Bluetooth v2.1 + EDR specification. the operating frequency is between 2.4G-2.48G According to the ISM standard, communication speed of 1600 times per second in the 79 channel hopping to select the least intrusive channel, The antenna is an PCB antenna. Communication range of Bluetooth technology is the 10M (CLASS II standard).

IS1684S-202 is a single chip Radio and baseband IC for Bluetooth 2.4GHZ systems. It provides Bluetooth RF, baseband and some power regulator functions. It is integrated DC +1.8V power supply.

U8 is MCU, the key pad control signal through U8 to FM and BT module.

U5 is the FM receiver module. IC model is S14702, and the crystal clock is 32.738 KHz.

X1 is a crystal oscillator, provides 16M clock for IS1684S-202.

The product has 4 lights to show different working state.