## Operational Description

Host receive contains the following main components and functions: after U3 (AV-Link Rx-V0 2.4 G module) receive treatment of audio signal transmission lines through to R6 potentiometer for sound volume after U1 (JRC4558) to power amplifier amplification U2 (HT6871) power output to the speaker; IC2 (EUP8054) for lithium battery, IC1 (EUP2410) to boost circuit circuit to 5 V booster as power supply.

RF Module Operational Principle

1. CPU,AWA8810 is a low power 2.4GHz wireless digital audio SOC embedded many valuable IP's including 2.4GHz GFSK RF transceiver, LDO, MCU. It needs an external 24MHz crystal for reference frequency.
2. E2PROM, 24C128,131072 bits of serial electrically erasable and programmable read_only memory(EEPROM) organized as 16384 words of 8 bits each.The device is optimized for use in many industrial and commercial applications where low-power operation are essential.
3. Audio codec ES8331，It is a high performance,low power codec,it consists of 2-ch ADC,2-ch DAC,microphone amplifier,headphone amplifier,digital sound effects,and analog mixing and gain functions.
4. Power Management, It is a complete constant-current/constantvoltage linear charger for single cell lithium-ion batteries.
5. ANTENNA, The antenna is typically fed from the end of the monopole section by a plated through-hole via which is in turn connected to the RF output on the 2.4GHz band.