

## Operational Description

Host launch contains the following main components and functions: AUX audio signal through the JK1 (headphone socket) input by U2 (CD4052) distribution channel output to the U6 (LM358) for audio amplifier and then after U7 (M62429) volume adjustment control input to after U8 (AV-Link Tx-V1 2.4 G module) sent by the module code. Iopd audio signal through the ipod (ipod socket) input to common mode circuit U1 (LM358) then the U2 (CD4052) distribution channel output to the U6 (LM358) for audio amplification after U7 (M62429) volume adjustment control input to after U8 (AV-Link Tx-V1 2.4 G module) sent by the module code. U3 (MC81F4316, 4MHz OSC) for the host of foreland MCU is used to control the U2 (CD4052), U7 (M62429), U4 (APPLE2.0 B), S1 (STANDBY key), S2, S3 (AUDIO buttons) (a song of buttons), S4 (the next song buttons), S5 (play pause), 'S6' (volume reduction), S7 (volume to add), LED1 (AUX indicator light), LED2 (ipod indicator light), LED4 (POWER indicator). S1 used to and receiving the operation when matching buttons.

### RF Module Operational Principle

1. CPU,AWA8820 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. The CJC5357 is a stereo A/D Converter with wide sampling rate of 4kHz ~ 96kHz and is suitable for multimedia audio system.
4. The MCP03 is a power amplifier(PA), RF input and output impedance of it are 50Ω matched. 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.