

## TP256 transmitter composes description as bellow

(This transmit circuit is make up with the following four parts)

1. Main IC cell (Single chip U5)
2. 2.4GHz RF module (J1 2.4G\_RF\_CON)
3. Achieve stereo modulate IC (U1 JRC2035)
4. Achieve electricity flat control (ALC) IC (U2 BA3308)

## Circuitry working principle description:

Main control cell is a internal surge frequency 4MHz MCU, It control though data cable to control PLL circuit inside the RF module, it will lock the frequency as the working frequency. When MCU receive frequency transform On/Off command, then the data command will control the PLL circuit to switch the frequency. Stereo modulate IC U1, the 6<sup>th</sup> and 7<sup>th</sup> I/O port crystal surge frequency is 38khz, then internally it will segment frequency to produce 19khz lead frequency and audio source main frequency signal, after complex, though Q1 dynatron mixing, after that input RF module process FM modulate, then transmit out through the antenna.

ALC circuit is a automatic electricity flat platform circuit. When the input signal is too strong, it will control the output by itself.