

WT-808T transmission principle

Inside mike input the audio signal. Pass to U5 make the ALC (AUTO level control) for The audio signal. If used the CD and mp3 please use the Line in.

The control sequence is MIC → MIC IN → Line IN.

After ALC amplifier come to Pre-emphasis R20,21,C31,32 . Then signal pass to U10 compandor system. The compandor combine Tone Key to VCO (Voltage control oscillator) modulation. By changed RF signal will come to the Buffer U6 and pass Q9 for RF amplifier. Lastly pass to Q8 (RF amplifier) and Low pass filter.

VCO Module principle: channel switch set the channel. The programmer (U9) will control (U7) PLL system. PLL system will send the controlled voltage for VCO. Then VCO will send frequency to U7 contrast. If OK fixed voltage.

Booster and Lamp principle: Power on delay 100mS for the Q1,Q2,D2. Then pass to DC/DC convertor and send +3.6V to AF system. The VCO and RF amplifier use +3.3V for constant voltage regulator. The LED green are +3.3V. If changed Red the voltage are +2.2V. If LED2 changed Red the power and Tone will auto off.