

Operational Description

USB Host MCU can recognize USB slave devices, such as, USB flash memory ,MP3 player ,etc. supporting USB mass storage protocol. When the USB Host MCU recognized the devices storing MP3 /WMA files, the MP3 /WMA CODEC will decode MP3 /WMA stream into audio signal. The Keyboard controls the operation of MP3 and the LED indicates the status of the operation. Audio signal of Left channel and right channel from decoder chip inner Audio amplifier is input into Combiner, from where L+R and the L-R signal are formed. Signals of the L+R and the L-R are undergone 38KHZ amplitude suppression and amplitude of signal is suppressed to 1%. 1% suppressed signal and the 19Khz frequency input to the Tuner.

Local oscillator can generate 5 different frequencies (88.1MHZ,88.3MHZ,88.5MHZ,88.7MHZ, 88.9MHZ) with the assistance of Program counter. The outside Rotate Switch can set the 4bit binary number, which input the Program counter through the I/O port of transmit chip. Local Oscillator frequency is input to the tuner and then the signal is input to RF Amplifier. The RF output signal from RF Amplifier will be transmit through RF Antenna. This transmitted RF signal can be received by a stereo FM radio.