

Block diagram introduction

Audio signal is input the limiter of IC through Pre-emphasis net, after being dealt with by the built-in limiter, it is sent to the mpX Compound Unit, simultaneously, the signal produced by CRYSTAL(7.6M) gets stereo transmitting signal after being divided channel, then is sent to the mpX Compound Unit and gets compound signal which is dealt with mpX, the compound signal is sent into “osc modulator” to modulate the carrier wave signal produced by osc, after magnified by RF, then is sent to the in-built antenna to transmit signal.

The PLL circuit is made up of “mcu”、“shift register”、“program counter”、phase detector”, through locking the user’s selected channel, the “key button” produce touched-pulse data to turn on or off power and adapt channel, “LCD” is used to indicate the channel, FM, MHz, power etc., the button “power” refers to supplying stable power to MCU and transmitter.