Operation Description

The power of the remote unit is provided by 2 1.5V DC batteries.
The oscillation and emission circuit is controlled by the output of the transmitter chipset A7105. While the RFout pin of A7105 is high the oscillation and emission circuit will be turned on and send out the radio frequency signal. While the RFout pin of A7105 is low the oscillation and emission circuit will be turned off and send out nothing. This procedure generates a GFSK modulated radio frequency signal. In the condition without key pressed ,the transmitter MCU SN8P2213 stays in the sleeping mode and its output is low and the oscillation and emission circuit to be turned off and without radio frequency signal output. When any key is pressed, the transmitter MCU SN8P2213 will read the EEPROM for configuration progressing,
Then the transmitter chip A7105 send out a coded signal and this signal to modulate a 2.4GHz oscillation circuit base on a 16MHz Crystal to generate a GFSK modulation radio frequency signal.
This modulation signal is directly sent out by transmitter chip A7105 through a antenna matching network.