2.4G Remote Operation Description

The power of the remote unit is provided by a 1.5V DC battery. The oscillation and emission circuit is controlled by the output of the transmitter chipset SPRF2411A. While the RFout pin of SPRF2411A is high the oscillation and emission circuit will be turned on and send out the radio frequency signal. While the RFout pin of SPRF2411A 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 chip SPRF2411A 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 ship SPRF2411A will read the EEPROM for configuration progressing and then 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 SPRF2411A through a antenna matching network.