Operation Description

The transmitter use a SOC（system on a chip）chip U1 nRF24LE1, most of function can be finished by one chip, such as key-press detective, and it is the part of RF operating circuit. The transmitter is made of nRF24LE1, SENSOR U10 PAN3204DB, U2 is power management IC. it make the battery's voltage reach 3.7V to support the transmitter working. Clock oscillator is made of U1 internal circuit and X1, X2 surrounding circuit, and it can supply the power for clock pulse. Once start all switch, U1 will be process. U10 is optical chip, it can react the movement of tabletop then deliver to U1, U1 will finish all the data code internal and modulate, then enlarged by internal circuit， at last it delivered to the air by antenna.

Antenna is formed by a copper trace on the PCB. Common grounding on PCB is not connected to real external ground. Power supply is DC 3.7V by Li-ion battery.