

Circuit 's operation Description for HS-1201/2

The main circuit of the mouse transmitter compose by optical IC, MCU and RF department of U2.

Inner of U2, L2, D1 and others provide the 3V steady working pressure for circuit, X1 provide the time for system. X2 and inner circuit of the U2 compose RF modulation circuit. when the mouse remove on the desk,U1 can tested this remove and transmitted the data to U2, U2 can received the key's and coder's information at the same time. All the message from the eighth of U2 and antenna radio to the free space after coding.

SW-ID is connect switch,U2 can radio a message code communication with SW-ID when you press it.D4 is low pressure indicator light ,the light will flash it if you use the mouse when the battery is low pressure and remind you the battery energy is exhaust. The K1 switch can automatically switch to the working state. The system will sleeping if you press K1 when low pressure of U2.

The receiver is compose by RF receiver U1,MCU and memory U2 of ID code.Y2 and around element compose location monofier, transmitter's signal must input after antenna influence and B1 filter after location generator, frequency tested the fluctuate by X1, Q1 after tested the fluctuate the output to U3 by the fourteenth ping of U1,U3 put the received signal decode by CN1 USB port then send to the computer. if press SW connect switch,U3 will save the ID code's signal to EEPROM U2 radio from mouse transmitter ,convenient for next time communication when restart the equipment.