Circuit Description

Wireless working principle：
The RF transmitter block is a self-contained, fast-hopping GFSK data modem, optimized for use in the widely available 2.4 GHz ISM band. It contains transmit , VCO and PLL functions, including an on-chip channel filter and resonator, thus minimizing the need for external components. even in the presence of interference and transmitter impairments. Transmit power is digitally controlled. The framer register settings determine the over-the-air formatting characteristics. Transmit data is easily sent over-the-air as a complete frame of data, with preamble, address, payload, and CRC.then the address is checked, then the data is reverse formatted for receive, followed by CRC. All of this is done in hardware to ease the programming and overhead requirements of the baseband MCU FM8P51, and the osc is 6MHz.For longer battery life, power consumption is minimized by automatic enabling of the various transmit,, PLL, and PA sections, depending on the instantaneous state of the chip. A sleep mode is also provided for ultra low current consumption.Insert the Wii Remote or the WAND into the Keyboard card slot inside,transmitter has searchingkey (SYNC key) and connection with electricity show (Status LED)Build in Transmitter on Wii Keyboard with battery that will automatically go to sleep mode ,at this time press comb key then it will search all channels to find the ID, theLED will flicker with 2HZ rate, if in 10 seconds it does not connect to others then it willautomatically enter the dormant linking ,the Status Led will go out at the same time , If the original link connecting to others (Registration)is longer than 1 minutes The The LED changes into often bright,At this time transmitter will go into data transfer mode.Press Transmitter for 4 seconds, when transmitter connects, it will go into search mode waiting for the others and the connection (registration),press SYNC Key in 10 seconds it will then connect with the original link .