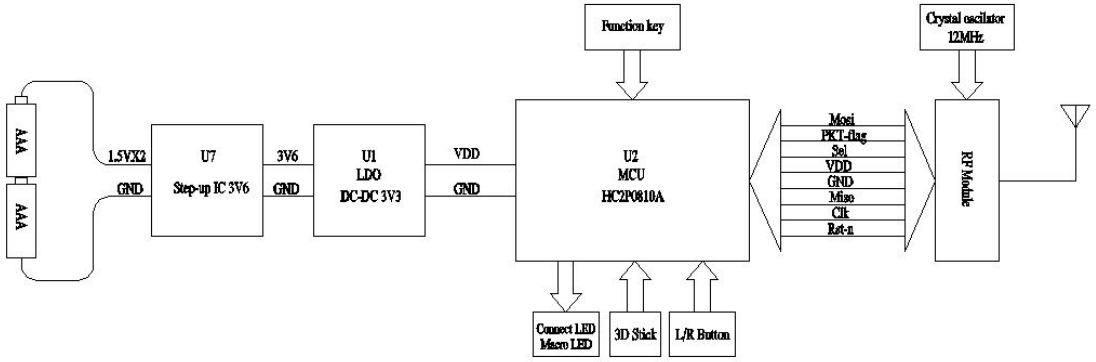
1.Controller

1.1Operation Principle:

When the controller was power on, the power will be boost to 3V6 by U7,and stabilized to 3V3 by U1,and power for the entire electric circuit and the module .Then, U2 and the module starts to work, (note: U2's operating frequency is generated by its own interior oscillating circuit, and its operating frequency is 12MHZ). Then the controller is at the search status, the LED will twinkle (note: U2 is carries on the communication channel searching with the frequency-hopping way by the RF module, and will transmit the connecting command.) When searched the goal equipment, U2 will judge whether to connect with it. If yes, the LED indicator will keep lighting. And U2 will generate a stochastic code, and the code will be stored in U2. And the receiver will send out the Axis value and the key value request order, and waiting for the controller's Axis and the key input value. If there is a key input, after U2 processing these values and modulation, the result will be transmitted by a 50 ohm antenna. Receiver will judge and process the data after receiving, then send these data to the console .

1.2Block Diagram :



1.3Typical Product Characteristics:

Items	Description
Type of Modulation	FSK
Number of Channels	79
Frequency Band	2403 MHz ~ 2480 MHz
Antenna Type	PCB Antenna
Testing Duty Cycle	100%
Test Power Source	NGC 3V 5。
Temperature Range(Operating)	0 ~ 65 ℃