2.4GMOUSE USER MANUAL(v4.0)

Product Overview

1. Compatible with USB1.1/2.0 specifications,supporting USB-IF and WHQL testing
2. 16 channel frequency hopping   and Strong anti-jamming capability
3. supports two kinds of online mode (buttons online PC software online)
4. Support of sensor type

    PixArt : 3204 / 3204LL/3204UL / 3205 (total plate)

     Avago : 5030/ 5090 / A3000 (Total board)

    (4 kinds of directions support Sensor)
5. Up to six function keys (left , right , and forward and backward , DPI selection)
6. Supports computer hibernation wake up and wake from hibernation
7. Wireless remote control distance greater than 10 meters
8. Support battery low alarm
9. Peripheral simple free Taozhen
10. Intelligent multi - level power-saving design : put stop immediately goes into sleep mode , put stop the mouse LED lights turn off after 30 minutes ; unplug the receiver , or turn off the PC , LED lights turn off automatically ; LED is off , the button or scroll wheel to wake up (if wake button , the button does not move for the first time)
11. semi-finished production testing of code - free ; finished the code is simple and convenient right button to enter the code mode (short press the left + +) ; never swap code
12. MCU   support   low   voltage   operation   against   the   Low   Voltage   sensor (A3000/3204LL/3204UL/3205) , dual battery boost circuit can not use

Description of the code

1.: Hardware on the code

Press the " left " + " in " + " right" three-button 1S, mouse enter into code mode (low pressure indicator light long) 10S insert receiver . Success of the code , the low-voltage lights immediately after the failure of the code , the the mouse exit code mode , low-voltage lights go out , extinguished ; within the 10S Sensor of LED lights

2. : BINDING SOFTWARE

Open code software , insert the receiver to the USB port , automatically enter code mode , short 10 seconds left, center, right , three-button mouse to enter the code mode , if the success of the code , the code button is displayed as (mouse on success of the code)

        (In terms of the code key for 10 seconds , the mouse unsuccessful code will automatically exit the code , while off SENSOR LED)

Functional Description

1. A different sensor, the power-on default DPI value and switchable DPI value below

Sensor	Power-on default DPI value	Switchable DPI value
PAN3204	1000	1600

If necessary , but also through the PC software to change the DPI factory default value

2.Mouse end an LED indicating low voltage / online status and fault indication :

Mouse on LED flashes when the battery is low voltage , normal voltage , the LED indicator turns off➝LED goes out when the press code key➝LED long bright -line success

Fault indication : (under normal circumstances , the power-on indicator bit off after)

      1 indicator does not light = MCU does not work

      Indicator flashes (bright long time off the short time) = sensor or eeprom does not work

      3. Indicator flashes (bright short time a long time off)

operating current:

Sensor	Operating current	A dormant (Put stop after entering this mode) current , depending on the characteristics of different sensor	The two hibernation (off) (No USB receiver or no action after about 30 minutes to enter)
3204	11mA	< 0.5mA	15-45uA

Electrical Characteristics

MOUSE IC_ CX5184

Mark	Parameters	VDD	State	Min	Typical values	Max	Unit
VDD	Operating voltage			1.8	2.8	3.6	V
IDD	Operating current	3V	Standby		≤3.0		uA
Fosc	System frequency	3V			8.0		MHz

RF Product Specification Sheet(FCC,CE,KCC USED)

1. Product Name : **2.4G Wireless Mouse**

2. power input rating: **DC 3V , 25mA**

3. Frequency Band : **2402MHz—2480MHz**

4. Carrier Frequency : **2402MHz—2480MHz**

5. Number of Channel: **16**

6. Channel Spacing: **≥6MHz**

7. RF Output Power (ERP OR EIRP) : **0dBm**

8. Modulation Type : **GFSK**

9. Duty Cycle : **<10%**

10. Mode of operation (duplex , simplex): **duplex**

11. Bit Rate of Transmission : **1Mbps**

12. Antenna Type: **PCB Antenna**

13. Antenna gain: **-1~-2dBi**

14. Operating Temperature Range: **-20℃ ～ 55℃**

15. book sales countries :EUROPE

FCC Certification Requirements

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.