2.4G mouse instructions

Product Overview

1. Compatible with USB1 1/2.0 specification, certified by USB-IF and WHQL test

2. 16-channel automatic frequency hopping, strong anti-jamming ability

3. Excellent RF characteristics ensure long-distance/directionless

4. Full speed USB, 2 modes, game mode (250Hz)/office mode (125Hz), online switching of 250/125Hz

5. Two code checking methods are supported (hardware code checking and PC software code checking)

6. Support sensor type

Original phase series: 3212/3205/3065/3204UL/V108//8640

Built-in sensor optimization algorithm ensures smoothness and smoothness

7. Six function keys: left key, middle key, right key, forward key, backward key, DPI key

8. Support combo

9. Package specification: sop16
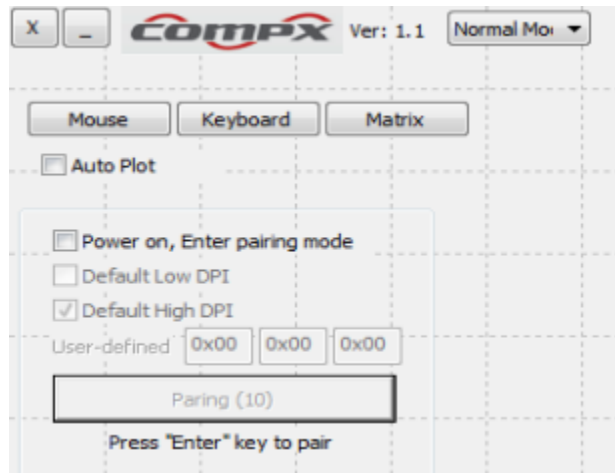
Operating instructions
　　■ Code checking
　　Two methods, hardware code matching+PC software code matching
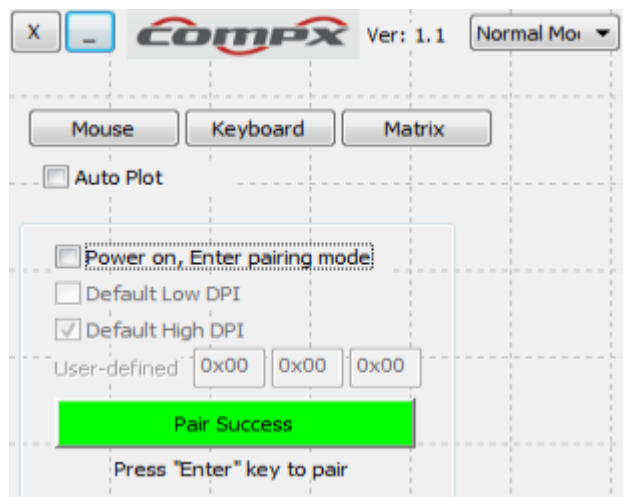　　A. Hardware code checking:
　　1. After powering on, press the left+middle+right three keys for 1 second at the same time, and the mouse will enter the 20-second code checking mode, and the LED will be on for a long time
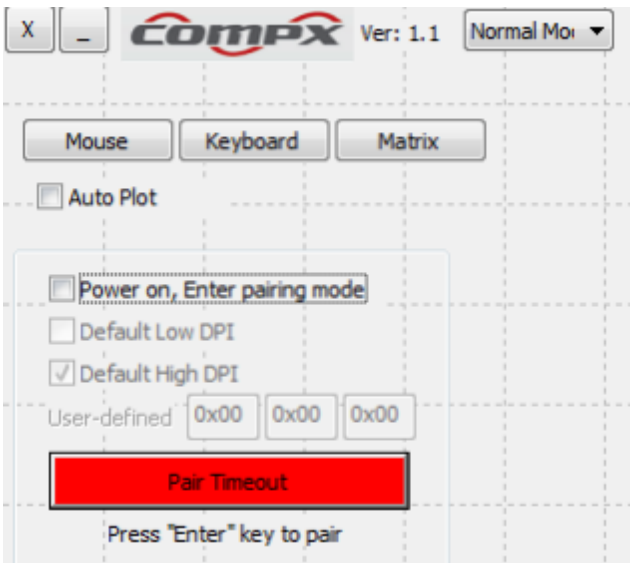　　2. Insert the receiver within 20 seconds, the LED is off, and the code is matched successfully
　　If the code checking fails in more than 20 seconds or 20 seconds, the mouse will exit the code checking mode and the LED will be off. B. PC software code checking:

1. Open the code checking software, insert USB into the receiver, and automatically enter the code checking mode

2. Briefly press the left+middle+right three keys in 20 seconds, the LED will stay on, and the mouse will enter the code matching mode. If the code matching is successful, the software will prompt the code matching is successful If the code is not successfully matched within 20 seconds, the software will prompt the code failed, the LED will be off, and the mouse will exit the code

DPI switching

DPI key switch+composite key switch – 2 modes

1. Press the DPI switch key, and the DPI will cycle between high/medium/low gears

2. Press and hold the left key+middle key for 3 seconds, and the DPI will cycle between high/middle/low gears

*The DPI is saved in the E2PROM and powered on again. The DPI is also the last set DPI value

3．DPI

Sensor	low DPI	in DPI 值	high DPI
3212	1000	1600默认	2400
3205	800	1200	1600 default
3065	800	1200	1600 default
V108	800	1200	1600 default

Multi-level intelligent power saving

1. Stop for 1 second, enter the first-level sleep mode, and the current is less than 0.3 mA

2. Stop for 1 minute, enter the secondary sleep mode, and the current is less than 0.15mA

3. After 15 minutes of shutdown, enter the three-level sleep mode, the sensor LED is off, and the current is less than 30uA

*In the first/second sleep mode, the mouse can be moved to wake up

*After the sensor LED is turned off, you need to press the key or scroll wheel to wake up the mouse

*Unplug the receiver or turn off the PC, the sensor LED will automatically turn off in this state, and press the key to wake up the mouse,

*If the key/scroll wheel wakes up, the first key is the wake-up function, not the function key

Power consumption of the whole machine (3V, white face, red light, LED limit resistance 82R, Report rate=250Hz)

Sensor	Working current	Level 1 sleep	Level 3 sleep (turn off the light)
3212	4.5mA	＜0.3mA	＜30uA
3205	6mA	＜0.3mA	＜30uA
3065	7mA	＜0.3mA	＜30uA
V108	8mA	＜0.4mA	＜30uA

** Report Rate = 125Hz，The working current will be small **1- 1.5mA**

RF product technical specification table

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

2. Rated Voltage and Current： **DC 3V , 5mA**

3. Frequency Band : **2403.65MHz—2479.65   MHz**

4. Number of Channel: **16**

5. L.O.: 2601.6Mhz

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 :   **2Mbps**

12. Antenna Type: **PCB Antenna**

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

14. Operating Temperature Range: **-2**0C **~   5**5C

15. Channel Bandwidth : **2.5MHz**

16. Channel list:

Channel	1	2	3	4	5	6	7	8
(MHz)	2403.65	2426.65	2441.65	2463.65	2407.65	2422.65	2445.65	2466.65
Channel	9	10	11	12	13	14	15	16
(MHz)	2414.65	2436.65	2459.65	2473.65	2419.65	2439.65	2453.65	2479.65

FCC Warnning:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection againstharmful interference in a residential installation. This equipment generates, uses and can radiateradio frequency energy and, if not installed and used in accordance with the instructions, maycause harmful interference to radio communications. However, there is no guarantee thatinterference will not occur in a particular installation. If this equipment does cause harmfulinterference to radio or television reception, which can be determined by turning the equipmentoff and on, the user is encouraged to try to correct the interference by one or more of thefollowing measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.