

## Operating instruction of DM-3380ZM

### ■ Product Introduction

High quality 2.4G Solutions, automatic frequency hopping, stable, low power consumption, anti-interference, not directional.

Ultra-low power consumption design

#### ● ID pairing

The way of ID pairing is the hardware ID pairing, low-voltage LED indicates the status of the ID pairing.

- 1.After power-on, simultaneously press the left, middle and right three buttons for 1 second, the mouse enters the 10 second ID matching, and the LED lights up
- 2.Insert the receiver within 10 seconds, LED off, and the ID pairing is successful If the ID pairing over 10 seconds or the ID pairing failed within 10 seconds, the mouse exits the ID mode and the LED turns off.

### ■ DPI Switching

One level of DPI

Composite key to switch

Low-voltage LED indicates DPI switching status

- 1.Press the DPI switch key, DPI cycles between high, medium and low levels
- 2.Press and hold the left button and middle button for 3 seconds. DPI will cycle between high, medium and low levels.
- 3.When the low DPI switches to the high DPI, the LED quickly flashes for three times.  
When the high DPI switches to the low DPI, the LED slowly flashes for 3 times.

\*DPI is saved in the mouse and re-powered on, DPI would be the value that final set.

## ● Report Rate

report rate office mode (125hz)

After power on, the default value could choose 125hz

## ■ Low voltage detection

1. When the voltage is between 0.9V and 1.5V, the low-voltage indicator will flash during the mouse operation. If the mouse stopped of use, the low-voltage indicator will be off after 10 consecutive flashes.
2. When the voltage is lower than 0.9V, the mouse will shut down after the low-voltage indicator flashed rapidly for 10 times, and the LED of sensor will also be off.

## ■ Multi-level intelligent power saving

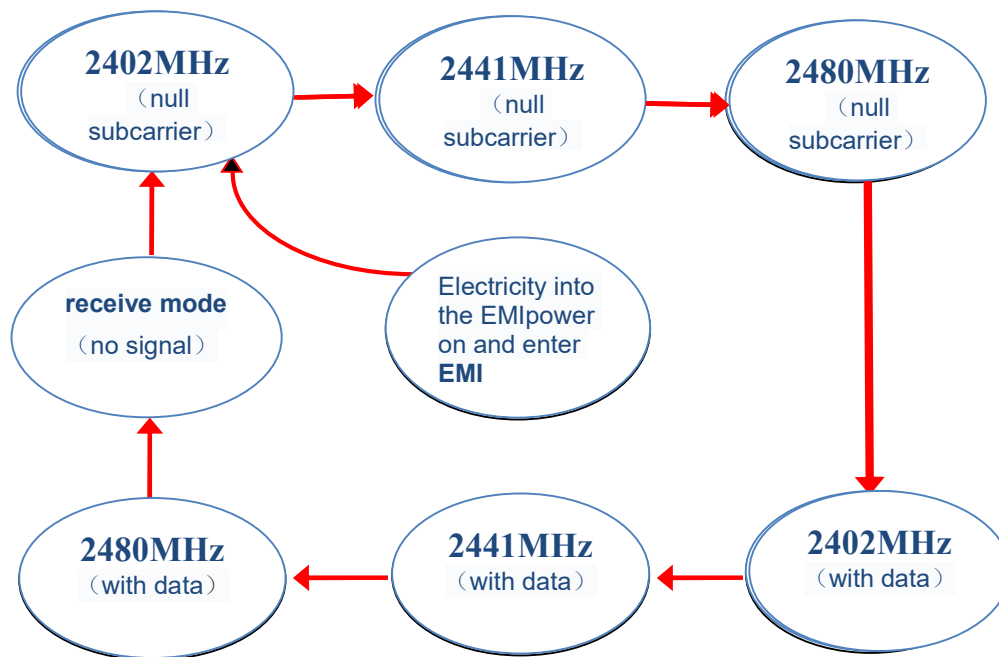
1. Stop use for 1 second will enter the primary sleep mode
2. Stop use for 1 minute will enter the secondary sleep mode
3. Stop use for 30 minutes will enter the tertiary sleep mode. The LED of sensor will never be off.

\* In primary/secondary/tertiary sleep modes, the mouse can be awaked up by moving

\* Unplug the receiver or turn off the PC, the LED of sensor will never be off.

## EMI Test

Simultaneously long press the left + center + right three key, the mouse will be powered on and enters the EMI test mode, the LED of low pressure indicator lights up, press the left mouse button to switch test frequency and test mode.



## Channel List:

Channel	1	2	3	4	5	6	7	8
frequency (MHz)	2402	2426	2441	2463	2407	2422	2445	2466
Channel	9	10	11	12	13	14	15	16
frequency (MHz)	2414	2436	2459	2473	2419	2439	2453	2480

■ RF Product specification sheet (FCC, CE, KCC employ)

1. Product Name : **2.4G Wireless Mouse**
  2. Rated Voltage and Current: **DC 1.5V , 10mA**
  3. Frequency Band : **2402MHz—2480MHz**
  4. Carrier Frequency : **2402 MHz**
  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 : **2Mbps**
  12. Antenna Type: **PCB Antenna**
  13. Antenna gain: **2.34 dBi**
  14. Operating Temperature Range: **-20℃ ~ 55℃**
- Channel Bandwidth : **1MHz**

■ **FCC Statement**

1. 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 against harmful interference in a residential installation.
2. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
3. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following 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.
4. 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.

■ **Caution!**

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.