

# **RF Wireless Numeric Keypad w/Built in Optical Mice**

**USER'S MANUAL      Model #: M071017**

## **Important Ergonomic Information**

Some experts believe that using any mouse or trackball may cause serious injury to hands, wrists, arms, neck, or back. If you feel pain, numbness, or weakness in these areas, see a qualified health professional.

### **TO REDUCE THE RISK OF INJURY, FOLLOW THESE PRECAUTIONS:**

- ☞ Take frequent breaks, get up and walk around several times every hour.
- ☞ Vary your tasks throughout the day.
- ☞ Keep your shoulders relaxed with your elbows at your side. Position your keyboard and mouse so you do not have to reach.
- ☞ Adjust your chair and keyboard so your upper arms and wrists are straight.
- ☞ Avoid resting your wrists on sharp edges.

### **System Requirement**

- ☞ Mouse compatible with Microsoft Windows 2000/ME/XP 3-Button Wheel Mouse
- ☞ 3<sup>rd</sup> button and wheel function require Win98/ME/2000/XP
- ☞ If your computer's operating system is Windows 98/ 98SE, please prepare the Windows98 or 98SE compact disk for system's request during the installation of mouse.
- ☞ 1<sup>st</sup>, 2<sup>nd</sup> and wheel are compatible with MAC
- ☞ Numeric keypad compatible with Microsoft and MAC OS

### **Before you begin**

- ☞ Keep this installation guide for future reference! It contains Important Troubleshooting Information.
- ☞ Keep your old PS/2 or USB mouse as back-up devices.

## Getting Started

Congratulations on your purchase the RF Wireless Numeric Keypad w/Built in Optical Mice. The 800dpi high resolution will bring users the best operation accuracy and efficiency, especially for a display of 1024\*768 or higher. It operates at twice the speed and only requires 1/4 of the space in comparison to a 400dpi mouse. By using the advanced RF technology, there is fully 360° operation, no line-of-sight required between receiver and this mouse.

A mouse/ numeric keypad mode slide switch in the top down size of the product. By sliding it, the function of this product can be switch between mouse and numeric keypad. Within 433.92MHz wireless design, this product is such match with notebook and laptop,

### Package Contains

Your package includes the following:

1. RF Wireless Numeric Keypad w/Built in Optical Mice (Transmitter)
2. Thumb size mini Receiver
3. User' s manual
4. 2 AAA batteries

Note : If any part is missing, please contact your dealer for a replacement immediately.

### Precaution

! For optimal performance, place the receiver at least 8 inches or 20 centimeters away from other electrical devices, such as the computer, the computer monitor, speakers or other external storage drives.

! For best transmit distance, avoid to use this device on a metal surface because a large surface of iron, aluminum, copper and other metal will be a shielding or ground to the RF antenna of the mouse and receiver.

! If your notebook computer has a metal (contains Al or Mg) case, the LCD panel' s metal housing will isolate partial power of the RF signal from the mouse. This will result in reducing the distances of transmit when you connect the receiver on the back of LCD panel. However, the RF mouse should work properly while you are operating the mouse just beside your notebook computer.

## Installation Guide

### Step 1. Connecting the Receiver

Before using this RF Mouse, you need to connect the included receiver to your computer first.

Please follow the steps below to finish the connecting:

1. Turn off your computer
2. Keep a USB slot free for the receiver
3. Plug the USB receiver connector end into the USB port
4. Prepare your original Microsoft Windows CD
5. Turn the power on and then follow the instructions of Windows message for the new USB device connection

### Step 2. Installing the Batteries

This RF wireless mouse uses 2 AAA batteries. To apply the batteries, please follow the steps as below:

1. Turn the mouse to the bottom side and remove the battery cover by moving the opening tabs and pull the battery cover out. (FIG-1)



**Fig-1**

2. There are signs to indicate batteries' positive and negative poles. Carefully follow the signs to place the batteries
3. Place the batteries cassette back and make sure it is firmly closed

### **Battery Warning!**

- \* *When replace the batteries, use alkaline.*
- \* *You may use other type batteries, but do not mix them with alkaline.*
- \* *Do not mix used and new batteries together!*

### Step 3 Setting up the same ID code for both of receiver and mouse

This RF wireless mouse provides identification codes to avoid wrong reaction with other same model RF wireless mouse. Before you using the wireless mouse, please set the same ID code for both receiver and mouse.

Establish ID connection between the receiver and the mouse.

1. Press and release the “connect” switch on the receiver (refer to Fig-2).



**Fig-2**

2. Press and release the “connect” switch on bottom of the wireless mouse (refer to Fig-1).
3. The "connect" LED on the top cover of receiver will flash while the same D is selected on both of the receiver and the mouse.
4. When you change batteries of the mouse, you have to re-establish the connection.

## Using RF Wireless Numeric Keypad w/Built in Optical Mice



**Fig 3**

### **Mouse Function**

1. Make sure the connection between mouse and receiver has setup.
2. Slide the function to “Mouse” mode.
3. Using as normal mouse

Note:

- a. A low battery indicator in the mouse, if there is the voltage is getting low, the wheel will become red.
- b. In mouse mode, the LED on the button will light.

### **Numeric keypad function**

1. Make sure the connection between mouse and receiver has setup.
2. Start word/ excel or calculator
3. Slide the function to “Keypad” mode.
4. Using as normal numeric keypad.

Note:

- a. If the “Num Lock” indicator on the keyboard in lighting, the keypad works as number key-in or works as arrow movement.
- b. If the numeric didn’t work, try to press and release “Num Lock” button on the keypad.

## **GENERAL SPECIFICATIONS**

- Mouse with build-in numeric keypad.
- Full numeric keypad function.
- 3 buttons design for multimedia purpose to immediately play.
- Advance low power version sensor with 800 dpi resolution.
- Digital Radio Frequency wireless mouse with receiver.
- 433.92 MHz carrier with ID selections for your options.
- No driver request
- 2 standard AAA batteries.
- Ergonomic design for comfortable grip.
- Compatible with USB 2.0 low-speed protocol.
- Operating range up to 1.2 meters for open space.
- Thumb size mini receiver.
- Mouse dimension: 122X70.5X33 mm (L\*W\*H)
- Receiver dimension: 64X23X16mm (L\*W\*H)

## Electromagnetic Characteristics (EMC)



Tested to comply with FCC standards

For home or office use

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.

### Transmitter

- Distance: about 3 feet (1 meters)
- Power: 3V DC (2 AAA batteries)
- Carrier Frequency: 433.92 MHz
- Dimensions: 122X70.5X33 mm
- Weight: 130 +/- 5grams, without batteries

### Receiver

- Interface: USB
- Power: 5V DC, 15 mA MAX connected to host computer
- Dimensions: 64X23X16mm
- Weight: 12 +/- 1grams

# Troubleshooting

## 1. Mouse does not function

- If mouse is not functional, please turn off the computer first.
- Check the receiver is firmly attached to the computer mouse port.
- Check the ID code connection of both receiver and mouse are established.
- Check if the batteries are properly connecting.  
The "+" and "-" on the batteries must match the "+" and "-" on the slots. If the batteries aren't inserted correctly, the device won't work.
- Restart the computer again.

## 2. Interference with other RF wireless mouse

Reducing Interference with Other Wireless Devices:

All 433.92 MHz radio-based devices are subject to interference from other 433.92 MHz radio-based devices, such as cordless telephones, cordless baby monitors, and cordless toys.

It may help to move the receiver unit and the base unit for the other wireless device (such as cordless telephone cradle) as far apart as possible. You may need to experiment to determine the locations that are best for your environment.

Allocate the receiver and the mouse within a much shorter distance from other 433.92 MHz transmitter. And then re-establish the "connection" by following the above "step 3".

## 3. If you have difficulty connecting the wireless mouse:

- Increase the distance between the set of wireless mouse and other radio device units.
- Turn off the other wireless devices, or their base units, that are in close proximity to the receiver of this wireless mouse.
- Try connecting the wireless mouse and its receiver again.
- To verify that your device is connected and working properly, open a document and try the device.

For additional suggestions, read the [FCC Compliance Statement](#) on the follow page.

## Federal Communication Commission Interference Statement

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. 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. 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's 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.**

### **IMPORTANT NOTE:**

#### **FCC Radiation Exposure Statement:**

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please avoid direct contact to the transmitting antenna during transmitting.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.