

2.4GHz WIRELESS OPTICAL MOUSE



S-100

USER MANUAL

**PLEASE READ THIS USER MANUAL COMPLETELY BEFORE OPERATING
THIS UNIT AND RETAIN THIS BOOKLET FOR FUTURE REFERENCE**

COMPLIANCE WITH FCC REGULATIONS

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

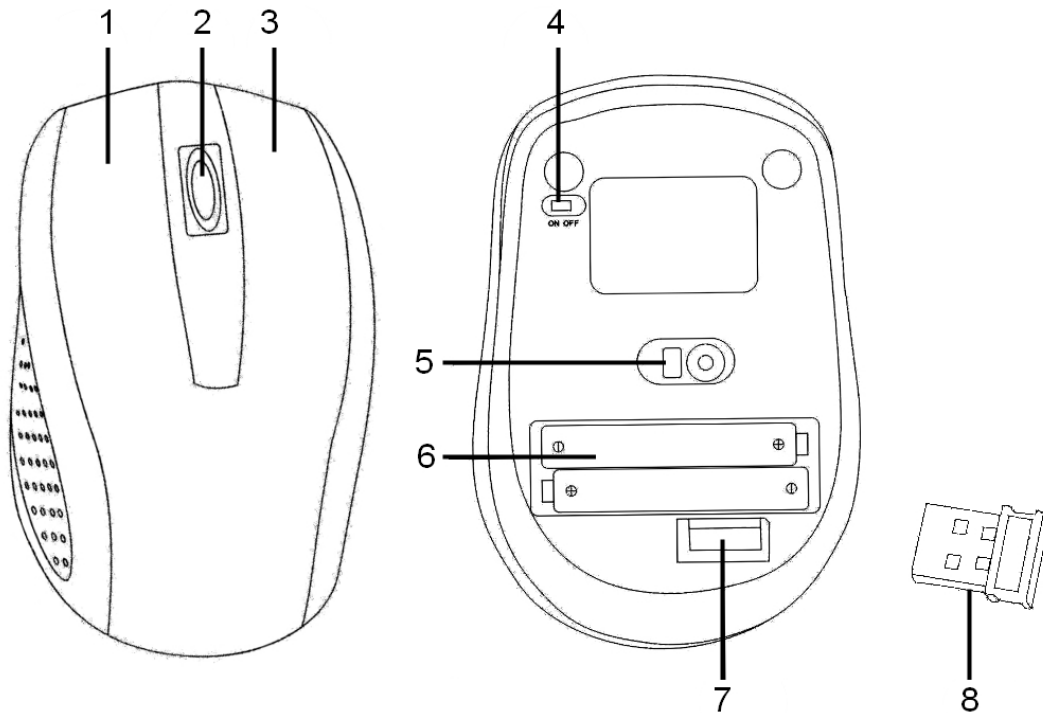
- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment 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 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.

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

FUNCTIONS AND CONTROLS



Item	Description
1	Left Button
2	Scroll Wheel with Button (Middle Button): works in Windows based PC only
3	Right Button
4	Power Switch - ON: turns Mouse on. - OFF: turns Mouse off (recommended when not in use).
5	Optical Sensor System: red light will be emitted when power is turned on
6	Battery Compartment: hidden underneath cover and holds 2 x AAA batteries (not included)
7	USB Receiver Storage Compartment: hidden underneath Battery Compartment Cover. Always store the USB Receiver in this compartment when not in use.
8	USB Receiver

GETTING STARTED

Installing/Replacing Batteries

This Wireless Optical Mouse operates on two 'AAA' (UM-4) size batteries (not included).

1. Slide Power Switch to "OFF".
2. Remove the battery compartment cover located at the bottom cabinet.
3. Remove all old batteries at the same time (if any).
4. Following the polarity diagram shown inside the battery compartment, insert two fresh 'AAA' (UM-4) size alkaline batteries or Ni-MH rechargeable batteries (not included).
5. Replace the battery compartment cover making sure it is securely closed.
IMPORTANT: Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
6. When the mouse response or cursor movement slows down noticeably, the batteries are becoming weak and need to be replaced. Please remove all the old batteries and replace with fresh good quality alkaline or NiMH batteries as soon as possible.



WARNINGS!

- Batteries must be installed or replaced by an adult.
- The use of good quality alkaline batteries is recommended.
- Place batteries based on the polarity shown on the battery compartment.
- Only use the recommended type of batteries.
- Non rechargeable batteries are not to be recharged
- Rechargeable batteries are only to be charged under adult supervision
- Rechargeable batteries are to be removed before being charged.
- DO NOT mix different types of batteries together.
- DO NOT mix new and old batteries together.
- If you do not use the product for an extended period of time, we recommend that you take out the batteries. Remove exhausted batteries from the product. Battery leak may cause damage.
- DO NOT short circuit the terminals of the battery.
- DO NOT throw batteries into an open flame. They may explode.
- Keep the packaging for future reference as it contains important information

Installing of the USB Receiver (Compatible with OS: Windows 2000/XP/Vista/7 and Mac OS X 10.5 – 10.6)

1. Remove the Battery Compartment Cover and carefully slide out the USB Receiver from its designated compartment adjacent to the battery compartment.
2. Insert the USB Receiver of the Optical Mouse directly into a USB port (USB 1.1-3.0) of your computer running on either Windows or Mac OS.
3. Your USB Receiver will be automatically installed by the plug and play function of the Windows or Mac OS.

Note: There is no need to remove the USB Receiver from the USB port of your computer even after turning off unless you need to free up the USB port for other device.

OPERATING INSTRUCTIONS

Left Button

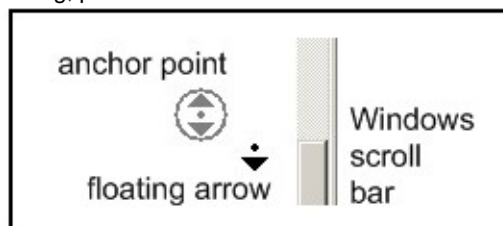
Use this button to select an item from a pop up or pull down menu or to click a function button.

Right Button

Use this button to access the quick menu of a related function.

Scroll Wheel with Button (Middle Button)

1. Under normal operation, rotate the Scroll Wheel for fast browsing up/down in an internet browser and in other document files.
2. For Windows users only: To enable smooth auto scrolling, press the Scroll Wheel Button. A double arrow icon, showing the anchor point, and a floating arrow icon, showing the current mouse position, will appear. To scroll up/down, move the mouse until the floating arrow icon becomes an up/down arrow. The farther away the floating arrow is from the anchor point, the faster the scrolling speed. Press the Middle Button again to exit the auto scroll function when you have finished.



Sleep Mode

When the mouse is left idle for 8 minutes, it will enter sleep mode for battery power saving. Press the Left, Right or Scroll Wheel Button to wake up the Mouse and resume normal operation.

Manual Pairing

This product features auto ID pairing function. The USB Receiver and the wireless mouse will pair automatically once they are activated. Should there be any problem in auto ID pairing, please follow the steps below to complete pairing manually.

For manual pairing, make sure that the Mouse is no further than 3 feet (1m) away from the USB Receiver.

1. Unplug the USB Receiver from the USB port and then reinsert after 2 seconds.

2. Turn of the Mouse.
3. Switch on the Mouse. Push the Right and Scroll Buttons at same time.
4. When pairing is successfully established, the mouse cursor will move again.

CARE AND MAINTENANCE

1. Turn off your mouse by sliding Power Switch to “OFF” when not in use to conserve battery power.
2. Turn the mouse upside down to clean the Optical Sensor carefully with a lint-free cloth. Dust or dirt may affect its performance.
3. Also clean out dust or dirt accumulated inside the scroll wheel compartment to assure smooth rotation of the Scroll Wheel.
4. Clean the external surface of your mouse with a damp (never wet) cloth. Mild cleaning agent specially formulated for cleaning mouse or keyboard may be used. However, solvent or detergent should never be used.
5. If the mouse is not to be used for a prolonged period, remove all batteries from its battery compartment. Also remove the USB Nano Receiver from your PC or Mac computer and store it inside the designated storage compartment adjacent to the battery compartment of the mouse to prevent loss.

HINTS ON PROPER USE OF YOUR MOUSE

Medical research suggests that physical discomfort and injury to nerves, tendons, and muscles may be related to repetitive motion, an improperly set up work area, incorrect body posture, and bad work habits. To reduce the risk of discomfort and injury, follow the precautions below:

- ♦ Stand, stretch, and move around several times every hour.
- ♦ Switch hands while performing tasks. Use shortcut keys to avoid repetitive or awkward mouse movements.
- ♦ Relax your shoulders and keep your elbows at your sides. Adjust the position of the keyboard position so that you don’t have to stretch to reach it.
- ♦ Adjust your position so that you don’t have to bend your wrists to type; avoid placing your wrists on a sharp edge.

If you experience continual discomfort or numbness in your hands, wrists, arms, shoulders, neck or back while typing, you are advised to consult a qualified medical professional.

TROUBLESHOOTING GUIDE

Symptom	Possible Problems	Solution
Mouse does not turn on.	<ul style="list-style-type: none"> - Batteries may be incorrectly installed. - Batteries may be dead. - Power Switch is not set to “ON” position. 	<ul style="list-style-type: none"> - Reinstall fresh AAA (UM-4) batteries according to the polarity diagram. - Replace all exhausted batteries with fresh ones at the same time. - Set Power Switch to “ON” position.
Mouse cursor does not move even when the optical sensor light is on.	<ul style="list-style-type: none"> - USB Receiver is not properly installed on computer. - Mouse is running on a highly reflective surface, e.g. chrome plated surface 	<ul style="list-style-type: none"> - Unplug the USB Receiver from the USB port of the PC and try another available port. - Try to use a good quality mouse pad.
Mouse cursor response is abnormal or slow.	<ul style="list-style-type: none"> - There may be interference from another RF device nearby. - There may be another 2.4GHz Wireless Mouse working nearby. 	<ul style="list-style-type: none"> - Please try to move away from the possible sources of interference. - Try to do the manual pairing procedure to solve the possible ID crash/loss problem.

SPECIFICATIONS

<u>Transmitter (in Mouse unit)</u>	<u>Specifications</u>
Sensor System	Optical LED
Resolution	800dpi
Wireless Frequency	2.408 – 2.474GHz
Modulation	GFSK with 2-way “Frequency Agility Protocol” coding
Working Distance	About 30 feet / 9m
Power Source	2 x DC1.5V ‘AAA’ (UM-4) alkaline batteries (Not included)
Current Consumption	About 11mA
Average Battery Life	3 – 4 months using good quality alkaline batteries

<u>Receiver</u>	<u>Specifications</u>
Interface	USB port (type A socket)
Compatibility	USB 1.1 – 3.0
Power Source	DC5V \pm 10%
Current Consumption	30mA (max.)

<u>Working Environment</u>	<u>Limits</u>
Temperature Range	32° - 104°F / 0° – 40°C
Humidity Range	85% Relative Humidity or less

Battery life may vary depending on usage.

Specifications may change without notice due to continuous product enhancement.

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