

Wireless V-Mouse VM-201/VM-221 User Manual

Before operating the unit, please read this instruction thoroughly, and retain it for future reference.

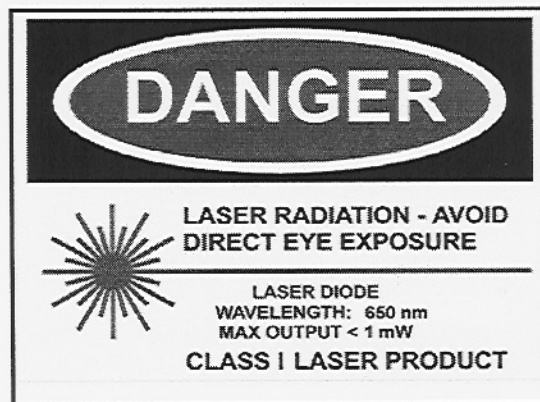
CAUTION

This product contains an internal rechargeable Lithium battery and is not user-serviceable. Please observe the following safety guide to avoid potential harm to the user, the surrounding, and the product:

- Do not expose the product to extreme heat or flame. The built-in battery may leak or even explode when exposed to extreme heat.
- Keep the product dry and never immerse it into water or any liquid.
- Use the product in the temperature between 10 °C and 40 °C (50 °F and 104 °F). The built-in battery will be permanently damaged if exposed to extreme heat (over 45 °C / 113 °F) or extreme cold (under 5 °C / 40 °F).
- Use only the supplied USB charging cable to charge the battery.
- Do not disassemble the product under any circumstances.
- Stop using the product immediately in the event that the product feels hot or battery leakage occurs. Call the service center immediately if the condition occurs.
- Please observe the radio device regulation of the local authority and put the device in Hibernation Mode in places where radio transmission is not allowed. (Refer to the Hibernation Mode On/Off Section in Operation for detail.)

[VM-221 Only]

This product contains a low-power laser component and is not intended to be used by a minor without adult supervision. When operate the laser function please use caution and never point the laser beam at a person or live animal. Misusing the device or allowing minors to operate the device without adult supervision may violate the local law.



FCC Compliance (FCC ID: S4UVM200RF)

The 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 instruction, may cause harmful interference to radio communication. However, there is no grantee 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.

The user should not modify or change this equipment without written approval from Salient Technology. Modification could void authority to use this equipment.

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

To comply with the FCC RF exposure compliance requirements, this device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

CE

This device complies with the essential requirements of the European Council Directive listed below:

99/5/EC Radio & Telecommunication Terminal Equipment (R&TTE) Directive

- Art.3.1a) EN 60950
- Art.3.1b) EN 301 489 -1/-3
- Art.3.2) EN 300 440

Canada – Low Power License-exempt Radio Communication Device (RSS-210)

a. Common Information

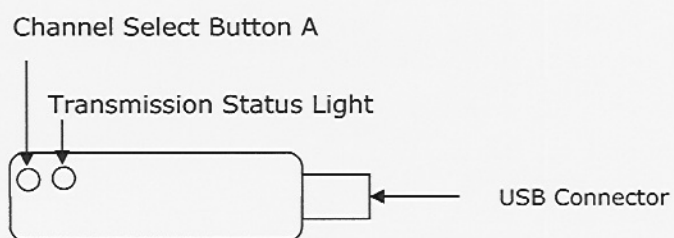
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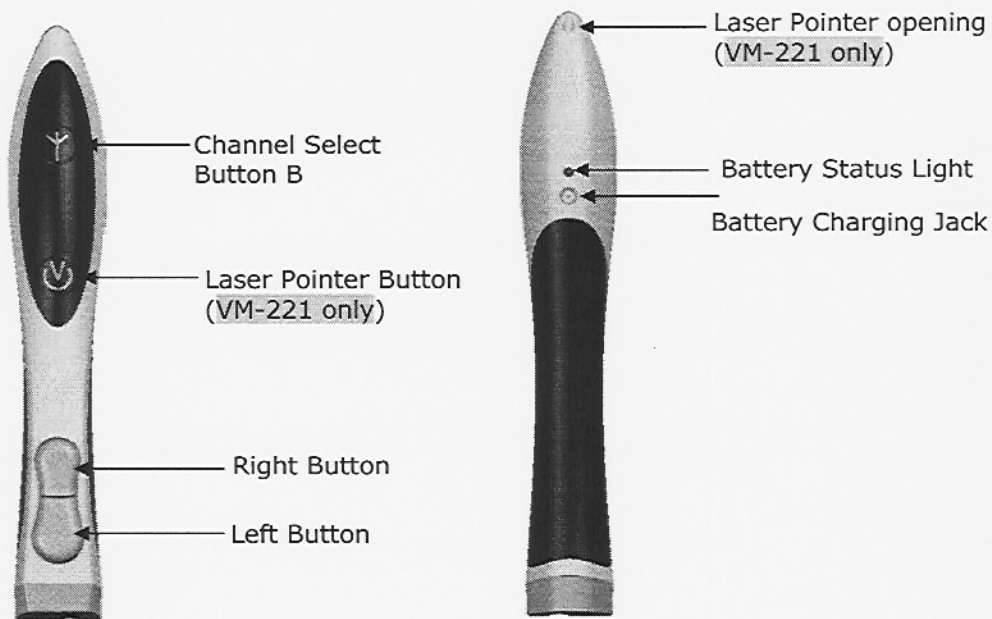
b. Operation in 2.4 GHz band

To prevent radio interference to the licensed service, the device is intended to be operated indoors and installed outdoor is subject to licensing.

PARTS IDENTIFICATION

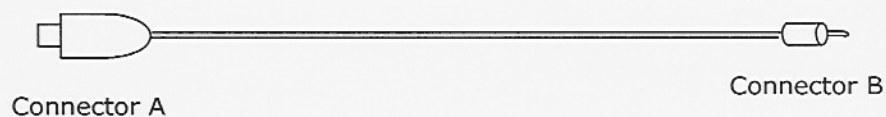


Dongle Receiver



V-Mouse Front View

V-Mouse Rear View



USB Charging Cable

- USB Connector – Plug into the USB port of the computer.

- Transmission Status Light – Displays the transmission status.
- Channel Select Button A – Press down to activate channel selection.
- Channel Select Button B – Press down to select channel.
- V-Mouse Right Button – Performs the mouse right button function.
- V-Mouse Left Button – Performs the mouse left button function.
- Battery Status Light – Battery status indicator.
Battery Low: *Flashing* | Battery Charging: *On* | Battery Full: *Off*
- Connector A – Connect to the USB port to charge battery.
- Connector B – Connect to the Battery Charging Jack to charge battery.
- Battery Charging Jack – Accepts Connector B.
- Laser Pointer Button [VM-221 Only] – Press down to turn on the Laser Pointer and active the Presenter Mode.
- Right Button [VM-221 Only] – Also performs the Page Up function in Presenter Mode.
- Left Button [VM-221 Only] – Also performs the Page Down function in Presenter Mode.

HARDWARE SETUP

A. Charge Up the Battery

Even though the battery was full charged in the factory, it may have gone flat in the delivery process. Please fully charge the battery before the first use.

1. Insert Connector B of the USB Charging Cable into the Battery Charging Jack.
2. Insert Connector A of the USB Charging Cable into the USB port of a powered up computer. The battery should start charging. The Battery Status Light stays on during charging.
3. Wait until the Battery Status Light turns off and remove the USB Charging Cable. The normal charging time should be ~ 3 hours if a dedicated USB port is used. Charging time will be longer if a passive USB hub is used. (Remark A)
4. Repeat Steps 1 to 3 when the battery is flashing. You can keep on using the device during charging, however, your charging time will be extended. (Remark B)

Remark A: Use a dedicated USB port or a powered USB Hub for fastest charging.

Remark B: Lithium battery does not have memory effect and can be partially charged.

B. Install the Device

1. Turn on your computer, if it is not already on.
2. Connect the Dongle Receiver to a USB port of your computer. A message should pop up on your computer recognizing the device as a HID-Compliant USB Keyboard Device. (Remark C) Wait and allow the automatic configuration to complete.
3. Press down the Channel Select Button A on the Dongle Receiver and the Transmission Status Light should start flashing.
4. Pressing down the Channel Select Button B on the V-Mouse until the Transmission Status Light goes off. Your V-Mouse now is ready to use.
5. If the connection is lost or unstable, repeat Steps 3 and 4 to reestablish the connection.

Remark C: As the V-Mouse is internally programmed to include the Presenter functions, it is registered as a keyboard to allow the Page Up and Page Down functions to work.

OPERATION

A. Adjust the Mouse Speed Setting

On Windows Computer:

Click on *Start/Settings/Control Panel* from the root Window Frame to bring up the Control Panel and click on the Mouse icon to bring up the Mouse Setting Pane. Adjust the Speed Setting slider to the $\frac{1}{4}$ position from the slow end. Turn off the Acceleration function if it is available. Save the setting and exit the Control Panel.

On Apple/Mac Computer

Open the *System Preferences* and click to bring up the *Keyboard And Mouse* pane. Adjust the Mouse Tracking Sensitivity to a slower setting as needed. Save the setting and exit the System Configurations.

B. Using the Device

1. We suggest the first-time users to start with the "lap-style". That is, hold the V-Mouse like a pen and put your holding fist on your lap.
2. Keep the bottom of your fist on your lap and rest your elbow firmly against your body or a stable object. Use the device as if you were making a drawing on your lap to control the pointer movement.
3. Once you are accustomed to the operation, you can try it on your desk top or any other surfaces.

C. Hibernation Mode On/Off

For safety and power conservation you may have to turn off the receiver and put the handheld device in Hibernation Mode. To put the handheld device in Hibernation, Press down the Left Button and the Right Button at the same time for 5 seconds and the Blue LED should go off.

To recover from the Hibernation Mode, press down the Left Button and the Right Button at the same time for 5 seconds. When the Blue LED is turned on, the V-Mouse is out of Hibernation Mode.

You will have to reestablish the communication between the handheld device and the receiver after getting out of hibernation. (Refer to Section B in Hardware Setup.)

D. Laser Presenter Function [VM-221 Only]

Press down the Laser Pointer Button to turn on the laser beam and put the V-Mouse into the Presenter Mode. In the Presenter Mode, the Blue LED is turned off, the Right Button becomes the Page Up button, and the Left Button becomes the Page Down button.

If idled for more than 8 seconds, the device will automatically exit the Presenter Mode and return to the Mouse Mode, in which the Blue LED will be on again.

PRODUCT CARE

There is no user-serviceable part in this product and you should not disassemble the product under any circumstances without authorization. Simply following the safety guidelines in the Safety Caution Section and this product should last for a long time. Occasional cleaning with a slightly dampened soft towel on the outside will help keep its appearance in good condition.

PRODUCT SPECIFICATIONS

2.4 GHz RF technology based rechargeable 2 button pen-style USB wireless optical mouse.

Laser presenter with Page Up and Page Down functions. [VM-221 Only]

System Requirements

Windows 98 SE and higher version with a USB port, or
Mac OS 8.6 and later version with a USB port, or
Linux with USB port.

Dongle Receiver

- USB 1.1 interface
- Dimension: 57mm x 18mm x 9mm

V-Mouse

- 1000 true optical Dot-Per-Inch resolution
- Blue LED
- 2 independent mouse buttons
- 65000 selectable device code
- Built-in USB based rechargeable Li battery with 150 hours stand-by time
- 10 meter / 30 feet transmission distance
- Outer Dimension: 130mm x 20mm x 25mm
- Critical Dimension : 15mm
- Weight : 2 Oz
- Laser presenter with Page Up and Page Down functions. [VM-221 Only]

TROUBLESHOOTING

Symptom	Cause/Solution
System does not recognize the USB Receiver.	• System does not meet product requirement. -> upgrade the system or move to a different computer.
V-Mouse does not light up.	• Battery power may be too low. -> charge the battery. • V-Mouse is stuck in Presenter Mode. -> wait for a 10 seconds. Reboot the system if needed.
Mouse Pointer does not move.	• Battery power may be too low. -> charge the battery. • Communication between the Receiver and the V-Mouse may be lost. -> reestablish the connection.

	• V-Mouse tilt angle too big. -> make sure the focus line is in contact with the work surface.
Battery does not charge.	• Charging cable did not connect properly. -> reconnect the cable. • USB port broken. -> use a dedicated working USB port.
Mouse does not go into hibernation.	• Receiver is communicating. -> Remove the receiver and try again.
Mouse does not wake up from hibernation.	• Battery too low. -> Charge up the battery first.

WARRANTY

This product comes with a 2-year limited warranty covering all parts and craftsmanship after the purchase day. This warranty does not cover normal wear and tear, lost, or damages caused by intentional or unintentional negligence from the user, by foreign violence or by nature. Battery failure due to exposure to extreme heat or cold is not covered.

ENVIRONMENTAL CARE

Please dispose of the packaging material properly. Please dispose of the device properly when the product life is over. Littering is harmful to the environment and may violate the local law.

SERVICE INFORMATION

Please check our web site www.pen-mouse.com for the latest product and service related information. Solutions/answers to many common problems/questions can be found in the Product Q&A page.

Asia Service Center:

Taiwan Salient Co., Ltd.
6E15, #5, Sec 5, Hsin Yi Rd.,
Taipei, 110 Taiwan
02-2723-7255

U.S. / World Service Center:

Salient Technology Inc.
1140 Vista Monte Drive,
San Ramon, CA 94582
U.S.A.
915-829-5654
1-866-721-6122 (U.S. Toll Free)

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