MICRO GRAST

"Micro receiver"

The micro receiver does not hinder the operation while it is attached to a notebook PC

Wireless Laser Mouse with Micro-Receiver

M-PGDL Series

User's Manual

Thank you for purchasing the ELECOM M-PGDL Series wireless laser mouse with micro-receiver. This manual describes the operating instructions and safety precautions for using the M-PGDL Series. Ensure that you have read this manual before using the product. After reading this manual, store it somewhere safe for future reference

WARNING

Do not attempt to disassemble, modify or repair this product ?

Do not put this product in fire, as the product

Do not connect or disconnect the received

A CAUTION

Do not place this product in any of the

becomes hot (around a heater, etc.)

• In a car exposed to sunlight, a place

In a moist place or a place where condensation

· In an uneven place or a place exposed to

In a place where a magnetic field is

This product does not have a waterproo

structure. Use and store this product in a

place where the product body will not be

Rain, water mist, juice, coffee, steam or

product and the battery, be sure to

dispose of it in accordance with the loca

manganese batteries, or AAA nickel

period of time, remove the battery to avoid

Use AAA alkaline batteries, AAA

hydride batteries with this product.

If this product will be unused for a long

battery leakage and failure.

sweat may also cause product damage.

When you no longer need to use this

ordinances and laws of your area.

splashed with water or other liquid.

generated (near a magnet, etc.)

exposed to direct sunlight, or a place that

may burst, resulting in a fire or injury.

fire or electric shock.

following environments

may occur

vibration

Ω

■ Batteries

In a dusty place

damage.

may cause a fire, electric shock or product

unit with a wet hand, modify the receiver

unit or bend it forcibly, as this may cause a

* Except in certain cases, the M-PGDL Series is referred to as "this product" in this manual

Safety Precautions

Meaning of symbols



Mandatory action

- (\mathcal{D}) Situation that needs attention
- Notes and reference information
- @ Information that is handy to know

Observe these precautions carefully to avoid personal injury, damage, fire, and other problems.

/ WARNING

- If a foreign object (water, metal chip, etc.) enters the product, immediately stop using the product and disconnect the receiver unit from the PC, and remove the battery from the mouse. If you continue to use the product under these conditions, it may cause a fire or electric shock.
- If an abnormality is found with this product emission of heat, smoke or abnormal smell from the product), immediately stop using the product, shutdown the PC, and after thoroughly checking that heat from the product will not cause burns, disconnect the receiver unit from the PC, and remove the battery from the mouse. After doing this, contact the retailer from whom you purchased the product.

Do not drop or hit this product. If this product is damaged, immediately stop using the product and disconnect the receiver unit from the PC, and remove the battery from the mouse If you continue to use the product under these conditions, it may cause a fire or electric shock.

Cleaning the Mouse

If the product body becomes dirty, wipe it with a soft, dry cloth () Use of a volatile liquid (paint thinner, benzene, alcohol, etc.) may affect the material quality and colour of the

Cautions for Wireless Equipment

- This product is wireless equipment using the entire range 2.4DS1 of the 2.4 GHz band and it is possible to avoid the band of mobile object identification systems. DS-SS is used for the radio wave method. The interference distance is 10 m.
- The 2.4 GHz band is also used by medical equipment. Bluetooth, and wireless LAN equipment conforming to the IEEE802.11b/11g standard. · Before using this product, check that there are no other "radio stations"* operating nearby.
- If electromagnetic interference occurs between this product and other "radio stations", move this product to another location or stop using this product

* Other "radio stations" refer to industrial, scientific and medical devices using the 2.4 GHz band like this product, other radio stations of this type, licensed radio station premises for mobile object identification system that is used in factory production lines, certain non-licensed low power radio stations and amateur radio stations

/ WARNING

- Do not use this product with a device that may have a serious function or influence. There are rare cases where an external radio wave at the same frequency or the radio wave emitted from a mobile phone causes this product to malfunction, slow down, or fail to operate. • Do not use this product in a hospital or other location where the use of radio waves is prohibited. The radio waves of this product may affect electronic and medical devices (e.g. pacemaker). The use of a wireless mouse in an aircraft is prohibited by
- aviation law because doing so may interfere with flight safety. Turn off the power of the mouse body before boarding an aircraft and do not use it in the aircraft. * ELECOM is not liable for any accident or social
- damages incurred by the failure of this product.

Cautions for Laser Mouse

Though this product complies with the IEC60825-1 Class 1 laser safety standard to ensure safety, pay special attention to the following before use.

- (1) Never observe the laser beam by using an optical measure such as a microscope or magnifier or view the laser with the naked eye for a long period of time. Doing so may have an adverse effect on the eye. (Some laser beams cannot be seen with the naked eve.)
- (2) Never aim the rear surface of the mouse at a person's eyes, as this is very dangerous.
- (3) The laser sensor may not work on glass or mirrored surfaces. (4) Do not use this product for any application other than as a PC
- (5) If this product is subjected to temperatures beyond its specifications, turn of the PC, and do not use the product until the temperature returns to the operable range
- (6) If this product is not operating normally, turn of the PC.



Package Contents

This product's packaging contains the items listed below. Before using the product, check that all items are present. We make every effort to ensure that all products are packaged correctly. However, in the event that an item is missing or damaged, contact the retailer from whom you purchased the product.

- Mouse x1
- Receiver unit x1
- AAA alkaline battery x² Carry bag x1
- User's Manual x1







The tilt wheel can be turned back and forward with your finger or pressed like a button to operate the PC Tilting the tilt wheel to the right or left lets you scroll horizontally.

S. You must download and install ELECOM MouseAssistant 2 for Windows from our company's web site to use the horizontal scrolling function with Ousing the horizontal scrolling and button allocation

Maintenance switch For factory use only (I)USB connector (Male) Connected to a PC USB port functions (See reverse) **Preparation before Use** Installing Replacing the Battery Before using this product, install one AAA battery in the mous Inserting the receiver unit Remove the battery Remove the battery cover. Press part (1) firmly to the right to remove the cove Insert the battery. Place the receiver unit into the receiver Make sure that the unit housing polarity is correct. The positive

OFF

+

movement



erminal should be



Turning On and Off the Mouse

Turning on the mouse When using this product, turn the mouse body nower on . Slide the power switch to the ON position The remaining battery level indicator lamp is illuminated in red for a certain period. Flashes continuously when battery level gets low

Turning off the mouse

When not using this product, turn the mouse body off to save battery power. Slide the power switch to the OFF position

Restoring from sleep state Click the right mouse butto











- If there are multiple unknown devices, before removing a device, check that it is actually this product. Disconnect the receiver unit and check . which unknown device disappears. The device that disappears is this product.
 - If the unknown device does not disappear ever after you have deleted the driver following the instructions below, it is possible that there is something wrong with the PC. Contact the PC manufacturer.

1. From the [Start] menu, right-click [My Computer] 2. Click [Properties]. 3. Click the [Hardware] tab. 4. Click Device Manage 2 The Device Manager window appears. Right-click the unknown device, and click [Uninstall]. Click OK 4 Disconnect the receiver unit and restart the PC. 5 Repeat the procedure from "Step 2 - Installing the leceiver Unit" on the front of this sheet Uninstalling ELECOM MouseAssistant 2 then restart your Mac. for Windows To reinstall ELECOM MouseAssistant 2 for Windows, uninstall the existing version of ELECOM MouseAssistant 2 first. • Login with a user account that has administrative This completes the unistallation process privileges. It is recommended that all Windows program (application software) be terminated. From the [Start] menu, select [Control Panel].

Windows[®] 7 and Windows Vista[®]

2. Click [Properties]

8 6 1 0

The Desig ~

Windows[®] XP

The Control Panel appears.

Windows[®] 7 and Windows Vista[®]

Click "Add or Remove Programs".

rograms

Uninstall a program)

Windows® XP

5

Under [Programs], click "Uninstall a program".

Select [ELECOM Mouse Assistant 2] from the list of

7/Windows Vista®) or Remove (Windows® XP).

*When the User

screen is displayed in

Windows Vista, dick

the <u>Continue</u>

installed programs, and then click 😼 Uninstall (Windows®

Uninstall of Microsoft 1

Continue

3 Click [Device Manager]

1. From the [Start] menu, right-click [Computer]

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Though the subsequent screens of the uninstallation program differ depending on the OS, the procedure is the



This completes the unistallation process.

for Mac OS X

Uninstalling ELECOM MouseAssistant 2

To reinstall ELECOM MouseAssistant 2 for Mac OS X, uninstall the existing version of ELECOM MouseAssistant 2 first.

• Login with a user account that has administrative privileges.

 It is recommended that all programs (application software) be terminated.

Delete the *is* icon that is registered in the Dock.



() To remove icons from the Dock, the "Enable access for assistive devices" check box in Universal Access under System Preferences must be selected.

Double-click [ELECOM_Uninstall] in the utilities folder in the Finder application folder



Uninstall the ELECOM Mouse Assistant Mac Versio * If [Enable access for assistive devices] is not hecked in [Universal Access] of [System

Cancel

4 Type an administrator username and password, and then click 🔼 🗰



5 When the software is uninstalled, click Restart and



Restart

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Basic specifications

Product name	Wireless Laser Mouse with Micro-Receiver
Article No.	M-PGDL Series
OS	Windows 7, Windows Vista (up to SP2), Windows XP (SP2 to SP3) Mac OS X (10.5 to 10.5.8, 10.6 to 10.6.4)
Resolution (dpi)	800
Interface	USB
Radio frequency	2.4 GHz bandwidth
Radio wave method	DS-SS modulation
Radio wave outreach	Non-magnetic substance (e.g. wooden desk): Approx. 10 m Magnetic substance (e.g. metal desk): Approx. 3 m * Test values in the ELECOM environment
Mouse body dimensions	50.0 (W) x 90.0 (D) x 32.0 (H) mm
Receiver unit dimensions	14.5 (W) x 19.0 (D) x 6.5 (H) mm
Weight of mouse body	Approx. 50 g (not including batteries)
Weight of receiver unit	Approx. 1 g
Operating temperature/ humidity	5 to 40°C, 90% RH max. (no condensation)
Storing temperature/ humidity	-10 to 60°C, 90% RH max. (no condensation)
Batteries	AAA alkaline battery, AAA manganese battery, AAA nickel hydride battery
Operating time	Measure of the operating time when an AAA alkaline battery is used Continuous operating time: Approx. 60 hours Continuous standby time: Approx. 75 days Estimated serviceable time: Approx. 27 days (when the PC is operated for eight hours a day and 25% of the PC operation is assigned to mouse operation)

당해 무선설비는 운용 중 전파혼신 가능성이 있음 B 급 기기 (가정용 정보통신기기) 이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다



廢電池請回收

低功率雷波輻射性雷機管理辦法 第十二條

經型式認證合格之低功率射頻雷機,非經許可,公司、商號或使 用者均不得擅自變更頻率、加大功率或變更原設計之特性及功

第十四條 低功率射頻電機之使用不得影響飛航安全及干擾合法通信; 經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續

前項合法通信,指依電信規定作業之無線電通信。

低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射 性雷機設備之干擾

Wireless Laser Mouse with Micro-Receiver M-PGDL Series User's Manual 3rd edition, November 20, 2009 ELECOM Co., Ltd.

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