

# OPTICAL EGG MOUSE

## M-EGUR series User's Manual

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

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

### ■ Meanings of pictorial symbols

	<b>WARNING</b>	Failure to observe the instruction accompanied by this symbol may cause a fire, electric shock or other accidents which may result in death or serious injury.
	<b>CAUTION</b>	Failure to observe the instruction accompanied by this symbol may cause an electric shock or other accidents which may result in injury or damage to other equipment.

- Prohibited action that must not be conducted.
- Mandatory action that must be conducted.
- Situation that needs attention.
- Notes and reference information.
- Useful hints.

### Safety Precautions

To prevent injury, product damage and fire, be sure to read the instructions described below.

	<b>WARNING</b>
	If an abnormality is found with this product (emission of heat, smoke or abnormal smell from the product), or if a foreign object (water, metal chip, etc.) enters the product, immediately stop using the product and disconnect it from your PC. If you continue to use the product under these conditions, it may cause a fire or electric shock.
	Do not drop or hit this product. If this product is damaged, immediately stop using the product and disconnect it from your PC. If you continue to use the product in a damaged condition, it may cause a fire or electric shock.
	Do not attempt to disassemble, modify or repair this product by yourself, as this may cause a fire, electric shock or product damage.
	Do not put this product in fire, as the product may burst, resulting in a fire or injury.
	Do not connect or disconnect the connector with a wet hand, modify the connector or bend it forcibly, as this may cause a fire or electric shock.
	Do not stare into the optical sensor (red light) at the bottom of this product, as this may damage your eyes. Do not get the sensor dirty or damage this sensor.

**CAUTION**

Do not place this product in any of the following environments:

- In a car exposed to sunlight, a place exposed to direct sunlight, or a place that becomes hot (around a heater, etc.)
- In a moist place or a place where condensation may occur
- In an uneven place or a place exposed to vibration
- In a place where a magnetic field is generated (near a magnet, etc.)
- In a dusty place

This product does not have a water-proof structure. Use and store this product in a place where the product body will not be splashed with water or other liquid. Splashing the product with rain, water mist, juice, coffee, steam or sweat may cause product damage.

### Precautions for Using this Product

- Do not use this product for equipment which will be significantly affected by a malfunction of this product.
- If this product is used on a transparent object (glass, etc.) or an object with high reflectivity (mirror, etc.), the optical sensor will not function normally, resulting in unstable movement of the mouse cursor.
- When the mouse is left unused for a long period, disconnect it from your PC.
- When you no longer need to use this product, be sure to dispose of it in accordance with the local ordinances and laws of your area.

### Cleaning the Mouse

If the product body becomes dirty, wipe it with a soft, dry cloth.

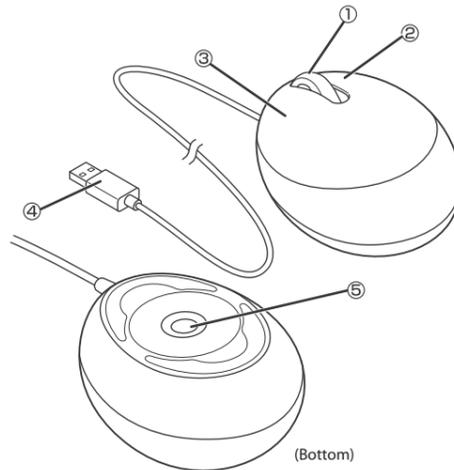
- Use of a volatile liquid (paint thinner, benzene, alcohol, etc.) may affect the material quality and colour of the product.

### Package Contents

The product package includes the following items. Before starting the setup procedure, check if all these items are included in the package:

- Mouse x1
- User's Manual (this manual) x1

### Part Names and Functions



- ① Wheel**  
You can operate certain functions on your PC by turning the wheel forward and backward.
- ② Right button**  
Used for right-click operation on the PC.
- ③ Left button**  
Used for left-click operation on the PC.
- ④ USB connector (male)**  
To be connected to a USB port on the PC.
- ⑤ Optical sensor**  
When the mouse body is being moved, the optical sensor detects the mouse movement.  
\* Be careful not to stare directly into the light from the sensor, as this may damage your eyes.

### Connecting the Mouse

Insert the USB connector of the mouse into a USB port on your PC.

- Any USB port may be used.
- A USB port via a USB hub may also be used. Note that there are cases in which this product will not operate depending on the power supply capacity of the USB hub.
- To use the mouse with Windows® 2000, leave the currently-used mouse connected to your PC. During the Windows standard mouse driver installation step described later, mouse operation may be required.
- If the currently-connected mouse uses the manufacturer's original driver or setup utility, uninstall the driver or utility software in advance. If driver software for another product has been installed, this product may not operate normally. For the uninstallation procedure, refer to the operation manual for the currently-used mouse.

The PC operating procedure described below varies depending on which OS is used.

- **Windows Vista® or Windows® XP**
  - The Windows standard mouse driver will be automatically installed.
  - ➔ Proceed to the step of "Using the Mouse".
- **Windows® 2000**
  - If the "Found New Hardware Wizard" screen is not displayed, the Windows standard mouse driver will be automatically installed.
  - ➔ Proceed to the step of "Using the Mouse".
  - If the "Found New Hardware Wizard" screen is displayed, you must manually install the Windows standard mouse driver.
  - ➔ Proceed to the step of "Installing the Windows Standard Mouse Driver" (p. 6).

### ■ Disconnecting the mouse

This product is compatible with hot plug. The mouse can be disconnected even while Windows® is running.

- If the mouse connection and disconnection are repeated several times while Windows® is running, the mouse operation may become unstable. In this case, restart the Windows® OS.

### Installing the Windows Standard Mouse Driver (for Windows® 2000 only)

In Windows® 2000, a wizard screen may be displayed after connection of the USB connector. If a wizard screen is displayed, install the Windows standard mouse driver according to the description for each OS below:

**Keyboard operation**

When Windows® 2000 is used, mouse operation may be required during installation of the Windows standard mouse driver. If no mouse or touch pad is provided for your PC, operate the keyboard according to the following description:

**[Tab]** : Used to move the cursor between items or buttons.

**[↑] / [↓]** : Used to move the cursor between options, if options are provided for an item.

**[Space]** : Every time you press this key, a checkbox is turned on/off.

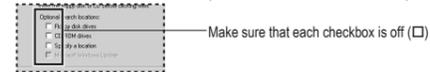
\* To execute the **[Next >]**, **[OK]** and **[Cancel]** buttons, press the **[Enter]** key.

### If the "Found New Hardware Wizard" Screen is Displayed in Windows® 2000

After connection of the USB connector, Windows® 2000 may display the "Found New Hardware Wizard" screen depending on the operating environment of your PC. In this case, click on **[Next >]** and install the Windows standard mouse driver by following the displayed message.



- If the "Found New Hardware Wizard" screen is not displayed, manual installation is not required.
- If the "Locate Driver Files" screen appears in the middle of the installation procedure, turn off all checkboxes for "Optional search locations" and proceed to the next step.



➔ After installation of the Windows standard mouse driver is completed, proceed to the step of "Using the Mouse" described below.

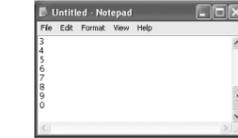
### Using the Mouse

#### Checking the Wheel Operation

After the Windows® standard mouse driver is installed successfully, you can move the cursor with the mouse and use the mouse right/left buttons. In this example, check if the mouse wheel operates normally using the Windows® Notepad application.

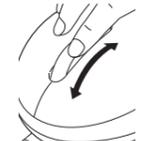
- 1** Click on the [start] button and click on [All Programs] – [Accessories] – [Notepad]. The "Notepad" application opens.
- 2** Set the height of the Notepad screen so as to display about 10 lines. Enter a character and begin on a new line repeatedly.

\* In the following example, numbers 0 to 9 are each entered on a new line in sequence.



When the number of lines or characters that can be displayed on the screen is exceeded, the scroll bar appears.

- 3** Turn the mouse wheel forward and backward.



If the screen scrolls up/down according to the action of your finger, the wheel operation is normal.

- For some applications that do not support the wheel function, the wheel may not work even if the wheel is operated.

## Troubleshooting

### When the Mouse does not Operate Normally:

#### ■ The mouse pointer does not move on the screen even when the mouse is moved or the mouse pointer movement is unstable.

- The light reflectivity on the surface on which the mouse is being operated may not be suitable for the optical mouse.
- When the mouse is connected to a USB port, it may be registered as an "unknown device" in Windows® because the Windows standard mouse driver has not been installed normally. Typically, this product is registered as a "USB human interface device" when it is connected to a USB port. If it is registered as an "unknown device", delete the "unknown device" from Device Manager according to the procedure below ("Deleting an Unknown Device") and then conduct the installation procedure again from the step of "Connecting the Mouse" (p.5).
- The mouse driver may conflict with another driver for the notebook PC touch pad and so on. To use this product normally, it is necessary to uninstall the other driver (touchpad driver, etc.). However, once the driver is uninstalled, the touchpad does not work and the functions dedicated to the touchpad are disabled. For details, contact the PC manufacturer.

#### ■ The mouse cursor moves but the wheel does not work.

- With some applications that do not support the wheel function, the wheel may not work even if the wheel is operated.

#### ■ When the mouse is connected, the optical sensor emits light even after the PC power switch is turned off.

- Depending on the PC specifications, the optical sensor may emit light while the standby power is supplied, even after the PC power switch is turned off. This condition is not an error with the mouse because it is attributable to the PC specifications. In this case, disconnect the mouse from the PC or disconnect the PC power supply plug from the outlet. For the procedure for stopping the standby power supply to the mouse without disconnecting the PC power supply plug from the outlet, contact the PC manufacturer. (Some PC models cannot stop the standby power supply because of the PC specifications.)

### Deleting an Unknown Device

If this product is registered as an "unknown device" because of improper installation of the Windows standard mouse driver, delete the "unknown device" from Device Manager according to the procedure below and then conduct the installation procedure again from the step of "Connecting the Mouse".

- If several "unknown devices" have been registered, identify which of the "unknown devices" corresponds to the information recognised for this product before deleting the unknown devices. Disconnect this product from the PC to see which device information for "unknown devices" disappears. The device that disappears is the information recognised for this product.
- If the "unknown devices" remain even after the driver is uninstalled according to the procedure below, there may be a problem with the PC. Contact the PC manufacturer for detailed information.

With the mouse connected to the PC, delete the "unknown device" according to the procedure below.

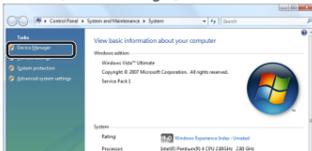
#### 1. Open Device Manager.

##### • For Windows Vista

1. Click on the [start] button and click the right mouse button on [Computer].
2. Click on [Properties].

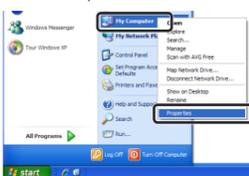


#### 3. Click on [Device Manager].



##### • For Windows XP/2000

1. For Windows XP, click on the [start] button and click the right mouse button on [My Computer]. For Windows 2000, click the right mouse button on the [My Computer] icon on the desktop.
2. Click on [Properties].



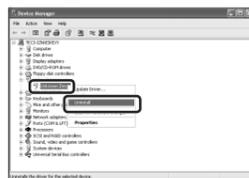
\* The above example shows the Windows XP screen.

#### 3. Click on the [Hardware] tab.

#### 4. Click on [Device Manager].



#### 2. After the [Device Manager] screen is displayed, click the right mouse button on [Unknown Device] and click on [Uninstall].



#### 3. Click on [OK].



#### 4. Disconnect the mouse and restart the PC.

#### 5. Conduct the installation procedure again from the step of "Connecting the Mouse" (p. 5)

## Basic Specifications

Product name	EKG optical mouse
Model	M-EGUR series
Interface	USB
Compatible OS	Windows 7 (up to SP1), Windows Vista (up to SP2), Windows XP (SP3) Mac OS X (10.5 to 10.5.8, 10.6 to 10.6.8, 10.7 to 10.7.2)
Number of counts	1000
Dimensions	65.0 (W) x 86.5 (D) x 46.0 (H) mm
Weight	Approx. 80 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)

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Hereby, ELECOM Co., Ltd., declares that this product is in compliance with the essential requirements and other relevant provisions of Directive [2004/108/EC].



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Optical mouse  
M-EGUR Series  
User's Manual  
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