

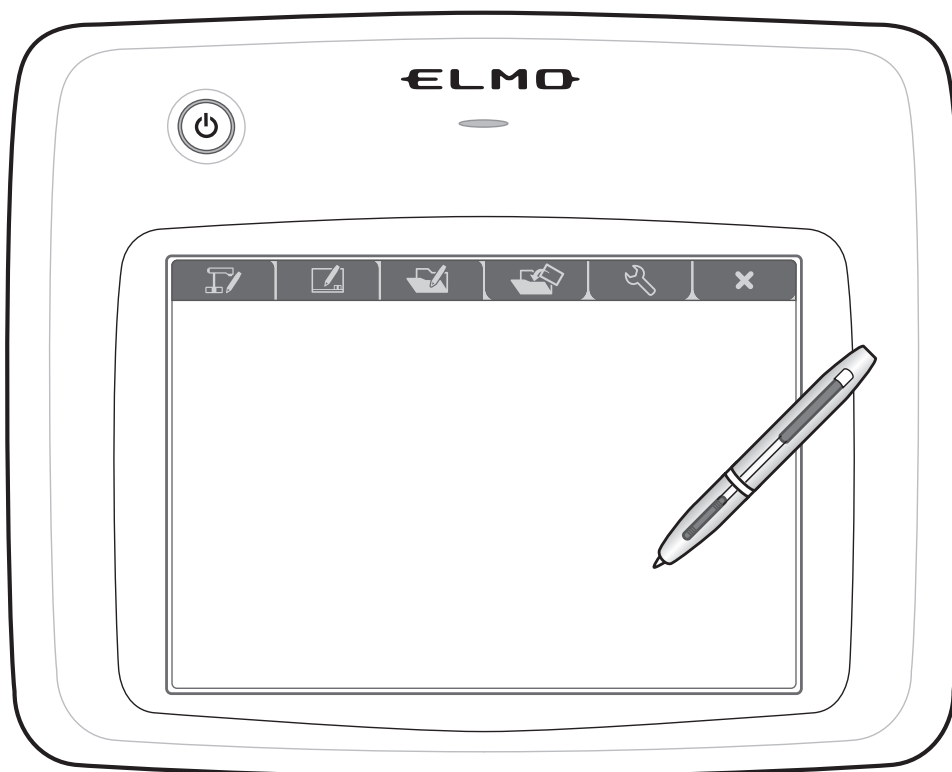
Teacher's + Choice

ELMO

ELMO Wireless Tablet /Slate

CRA-1

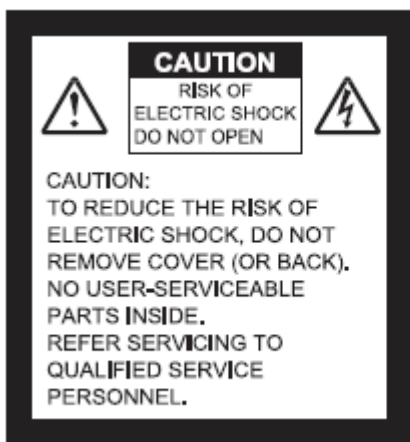
User's Guide



IMPORTANT SAFETY INSTRUCTIONS

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lighting storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. This marking is located at the bottom of product.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

WARNING: Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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.

NOTICE:

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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.

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment.

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.

Radiofrequency radiation exposure Information:

The radiated output power of the device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized.

Contents

1. USAGE PRECAUTIONS	6
About electric waves used by this product	11
About wireless equipment used on the 2.4 GHz band	11
About lithium-ion batteries	11
Replacing the lithium-ion battery	12
Maintenance	12
2. BEFORE USE	13
Main functions	13
System requirements	14
3. SUPPLIED ITEMS	15
Preparations	16
Software installation and uninstallation	16
Connections	17
4. PART NAMES	18
Charging the tablet	19
Using the dedicated pen	20
Operating the tablet	23
Storing the wireless adapter and pen	25
Tablet preparations	25
About the LEDs	27
Using Drawing Mate	28
Starting Drawing Mate	28
Screen configuration	28
Mode descriptions	29
Drawing	30
Deleting	30
Document Camera mode	31
Displaying the Document Camera image	31
Operating the Document Camera	32
Using the mask	32
Using the highlight	33
Using the scroll	33
Using compare pictures	34
Setting the computer image as the background	34
Saving the contents of a lesson on video	34
Saving the contents of a lesson as a picture	35

Using the whiteboard.....	38
Setting the whiteboard.....	38
Changing the background	38
Setting the computer image as the background	38
Saving the contents of a lesson on video	38
Saving the contents of a lesson as a picture	38
Teaching material mode	41
Viewing pictures and videos	41
Operating a video	43
Setting the computer image as the background	43
Saving the contents of a lesson on video	43
Saving the contents of a lesson as a picture	43
Using the mask.....	43
Using the highlight.....	43
Using the scroll	43
Using compare pictures.....	43
▪ Menu buttons.....	44
Teaching material creation mode.....	47
Creating a new teaching material	47
Opening a teaching material.....	47
Saving a teaching material	48
Operating the Document Camera.....	48
Creating a Document Camera video	48
Changing the background	51
Inserting pictures	52
Using stamps	53
Entering text	54
Selecting a line or picture	54
Setting the computer image as the background	54
Saving the contents of a lesson as a picture	54
Changing the pen settings.....	55
Changing a line or picture.....	56
Setting mode	59
Button list.....	60
6. TROUBLESHOOTING.....	62
7. PRODUCT SPECIFICATIONS.....	64
8. ABOUT TRADEMARKS	65
ABOUT THE WARRANTY.....	66



1. USAGE PRECAUTIONS

Follow these guidelines to use the product safely.







These “USAGE PRECAUTIONS” indicate important points that should be followed to use this product safely and correctly and prevent damage to the product or other property, and injury to you and others.

Read carefully before operating the product and retain for future reference.

Read the manual after making sure that you understand the meaning of the following displays and symbols.

 <h3>Warning</h3>	<p>This symbol indicates information that, if ignored, could possibly result in serious personal injury or even death due to incorrect handling.</p>
 <h3>Attention</h3>	<p>This symbol indicates information that, if ignored, could possibly result in personal injury or damage to property due to incorrect handling.</p>

Symbols Used in this Manual

	<p>Name: Caution Meaning: Indicates that the user must, without fail, pay careful attention to any sentences or illustrations marked with a Caution symbol.</p>
	<p>Name: Prohibited Meaning: Indicates that the user must pay careful attention to any sentences or illustrations marked with a Prohibited (do not do) symbol.</p>
	<p>Name: Compulsory Meaning: Indicates that the user must pay careful attention to any sentences or illustrations marked with a Compulsory (must do) symbol.</p>
	<p>Name: Do not use in a bathroom or shower cubicle Meaning: Indicates that using the product in a bathroom or shower cubicle could result in injuries through a fire or electric shock, and is strictly prohibited.</p>
	<p>Name: Do not touch Meaning: Indicates that touching the area could result in injuries through electric shock, and is strictly prohibited.</p>
	<p>Name: Do not disassemble Meaning: Indicates that disassembling the product could result in injuries through electric shock, and is strictly prohibited.</p>

Warning

If smoke comes out of the product, or you notice any unusual odors or sounds, remove the lithium-ion battery from the main unit immediately. Continuing to use the product in this condition could result in a fire or electric shock. Check that smoke is no longer coming out of the product, and then contact your local dealer to request maintenance. Do not attempt to service this product yourself.



If any liquids such as water enter the unit, remove the lithium-ion battery from the main unit and contact your local dealer. Continuing to use the product in this condition could result in a fire or electric shock.



If any foreign objects enter the unit, remove the lithium-ion battery from the main unit and contact your local dealer. Continuing to use the product in this condition could result in a fire or electric shock. (Be extra careful if there are children in the area.)



If the device is dropped or the main unit or pen is damaged, remove the lithium-ion battery from the main unit and the dry cell battery from the pen, and contact your local dealer. Continuing to use the product in this condition could result in a fire or electric shock.



If the cord is damaged (e.g. if the inside of the cord is exposed or broken), contact your local dealer and request a replacement. Continuing to use the product in this condition could result in a fire or electric shock.



Do not remove the back panel or cover from this product. Doing so may expose you to dangerous voltage and could result in electric shock. Contact your local dealer for any internal inspections, maintenance, or repair.



Do not modify this device. This could result in a fire or electric shock.



Do not place this product on an uneven surface or unstable stand. It could fall or topple over and result in an injury.



Use with the specified lithium-ion battery. If a battery other than the specified lithium-ion battery is used, it could result in a fire or electric shock.



Do not spill water into this product. This could result in a fire or electric shock. Pay particular attention when using the product in rainy weather, during a snowfall, on the coast, or on a waterfront.



Do not place any heavy objects on the cord, and do not place this product on top of the cord. The cord could be damaged and result in a fire or electric shock. (If the cord is covered by a carpet, there are times when you may not notice that a heavy object has been placed on the cord.)



Do not damage, process, pinch, twist, pull, or heat the cord. The cord could be damaged and result in a fire or electric shock.



Do not use in a bathroom or shower cubicle. This could result in a fire or electric shock.



Warning

Do not touch the main unit or the cord, etc., during a thunderstorm.This could result in an electric shock.



If there is dust stuck to the cord plug or the plug insertion section, disconnect the cord plug and clean the dust.The reduced insulation of the cord's plug could result in a fire.



Do not set up the main unit or wireless adapter in a location where it could trip someone up.It could result in a fall, causing injuries and damage.



Do not disassemble or modify the lithium-ion battery.This could result in leaks, excessive heat, smoke, explosions, or fire.



Do not connect the lithium-ion battery to other metals such as wires. Do not carry or store with metallic necklaces or hairpins. The lithium-ion battery could be shorted, which could result in leaks, excessive heat, smoke, explosions, or fire.



Do not put lithium-ion batteries in a fire or subject them to heat.The insulator could melt, the gas outlet valve and safety mechanisms could be damaged, or the electrolyte could ignite, resulting in leaks, excessive heat, smoke, explosions, or fire.



Do not use or leave the lithium-ion battery in locations subject to high temperatures, such as near a fire or heater.The insulator could melt, the gas outlet valve and safety mechanisms could be damaged, or the electrolyte could ignite, resulting in leaks, excessive heat, smoke, explosions, or fire.



Do not get water, sea water, etc., on the lithium-ion battery.An abnormal chemical reaction could occur inside the lithium-ion battery, which could result in leaks, excessive heat, smoke, explosions, or fire.



Do not charge the battery next to a fire or in direct sunlight.An abnormal chemical reaction could occur inside the lithium-ion battery, which could result in leaks, excessive heat, smoke, explosions, or fire.



Do not stab the battery with a nail, hit it with a hammer, or stamp on it.The lithium-ion battery could be damaged, deformed, or shorted, which could result in leaks, excessive heat, smoke, explosions, or fire.



Do not strike the battery forcefully or throw it.The lithium-ion battery could be damaged, deformed, or shorted, which could result in leaks, excessive heat, smoke, explosions, or fire.



Do not use the lithium-ion battery if there is any external damage or deformity.This could result in leaks, excessive heat, smoke, explosions, or fire.



Do not use if the (+) and (-) polarities are reversed.An abnormal chemical reaction could occur inside the lithium-ion battery, which could result in leaks, excessive heat, smoke, explosions, or fire.



Warning














For use with this device only. Otherwise, the lithium-ion battery could be degraded and equipment could be damaged, which could result in leaks, excessive heat, smoke, explosions, or fire.



If liquid leaks from the lithium-ion battery and comes into contact with any part of your body, wash thoroughly with clean water and then contact your doctor. If left, it could cause injury.



Attention

<p>Do not place the product in a damp or dusty location. This could result in a fire or electric shock.</p>	
<p>Do not place the product in a location where it could be exposed to smoke, steam, or water droplets such as on a kitchen counter or near a humidifier. This could result in a fire or electric shock.</p>	
<p>Do not leave the cord close to a heater. The cord covering could melt and result in a fire or electric shock.</p>	
<p>Do not connect or disconnect the cord plug with wet hands. Otherwise, an electric shock may result.</p>	
<p>Do not disconnect the cord plug by pulling the cord. Otherwise, the cord could be damaged and result in a fire or electric shock. Be sure to hold the cord plug by the plug itself when unplugging.</p>	
<p>Unplug the cord whenever you move the product. Move after checking that the cord is unplugged. Otherwise, the cord could be damaged and result in a fire or electric shock.</p>	
<p>For safety reasons, unplug the cord when carrying out maintenance. Failure to do so could result in an electric shock.</p>	
<p>For safety reasons, remove the lithium-ion battery and unplug the cord if the product will not be used for a long time. Otherwise, it could result in a fire.</p>	
<p>After purchasing the product, contact your dealer for more information on periodic inspections and internal cleaning. If the equipment is left for a long time, it could gather dust, which could result in a fire or malfunction if not cleaned.</p>	
<p>Make sure the cord plug is securely inserted. If it is not inserted correctly, dust could enter, which could result in a fire. Also, touching a prong of the cord plug could result in electric shock.</p>	
<p>Do not connect the unit if the cord plug is loose in the socket even when fully inserted. Excess heat could be generated and result in a fire. Contact your local dealer.</p>	
<p>Do not charge for any longer than the specified charge time. This could result in leaks, excessive heat, smoke, explosions, or fire.</p>	
<p>Do not place on an electromagnetic cooker, and do not place in a microwave oven or high pressure container. The lithium-ion battery could be damaged, which could result in leaks, excessive heat, smoke, explosions, or fire.</p>	

About electric waves used by this product

This product uses electric waves on the 2.4 GHz band. When using this product, a radio station license is not necessary. However, please note the following cautions.

Do not use near the following:

- Microwave ovens/industrial, scientific or medical equipment, such as pacemakers
- In-factory radio stations for mobile unit identification systems (radio stations that require a license) used in production lines of factories.
- Specified low power radio stations (radio stations that do not require a license)
- IEEE802.11g/b wireless LAN units

When this unit is used near any of the equipment mentioned above, it is possible that electric wave interference could occur.

About wireless equipment used on the 2.4 GHz band

This frequency bandwidth is the same as for industrial, scientific, and medical equipment such as microwave ovens, mobile unit identification systems (radio stations that require a license) used in factory production lines, and specified low-power radio stations (radio stations that do not require a license).

- Before using this device, check that there are no radio stations for mobile unit identification systems or specified low-power radio stations nearby.
- If this product emits electric waves which interfere with in-factory radio stations for mobile unit identification systems, cease use immediately and stop generating the electric waves. Contact our customer service department for information on countermeasures, etc. (for example, erecting partitions).
- Contact your local dealer or our nearest branch office or sales office if this unit emits electric waves which interfere with specified low-power radio stations used for mobile unit identification systems, or causes similar problems.

About lithium-ion batteries

The lithium-ion battery that is used in the tablet is a rechargeable Li-ion battery. As this lithium-ion battery can easily be affected by temperature and humidity, store it in a dry location between 15 and 25°C.

During charging, after charging, and during use, the lithium-ion battery becomes warm.

Remove the lithium-ion battery from the tablet if it will not be used for a long time.

When using the lithium-ion battery, check that the outside and terminals of the battery are not deformed in any way.

Deformed lithium-ion batteries can be very dangerous and should not be used under any circumstances.

The lithium-ion battery's service life is reduced if frequent top-up charging is performed.

For unneeded lithium-ion batteries, cover the metallic sections with insulating tape such as Scotch Tape, and recycle them in accordance with your local regulations or contact our nearest branch office or sales office.

Replacing the lithium-ion battery

If the unit can only be used for an extremely short time or the power does not come on, the lithium-ion battery has reached the end of its service life.

Please purchase a new lithium-ion battery from one of our sales departments whose details are provided at the end of this manual.

Note that the lithium-ion battery is considered to be a consumable item and therefore a fee is charged even if it falls within our warranty period.

Maintenance

Remove the connected cable and the lithium-ion battery, and store this product in a location that is not subject to humidity or moisture.

- Remove any dirt from the product with a soft, dry cloth.
- To remove stubborn dirt, dilute some detergent in water, dip a soft cloth in the water, and then wring it out before using it to wipe away the dirt. Do not use any volatile solvents such as thinner or benzene.

2. BEFORE USE



Please note that screens and figures used in this manual may differ from the actual views.

Thank you very much for purchasing this product.

Please read this manual carefully to make suitable use of this product. Also, please be sure to refer to any supplemental information included with this product.

Main functions

This product is an educational tool for making lessons using ELMO's Document Camera more enjoyable and easier to understand.

The product has various indispensable features for teaching more effective lessons.

- **Drawing on the Document Camera image**

Because you can draw directly onto the Document Camera image, you can directly communicate the important points that cannot be explained fully just by display.

- **Large and viewer-friendly screen**

Equipped with an innovative user interface born from ELMO's in-depth knowledge of lessons using Document Cameras. The icons are large and easy to remember, and are simple to operate from anywhere in the classroom. This provides powerful support for your lessons.

- **Wireless function brings new possibilities**

Thanks to the USB wireless communication, you are free to draw from wherever you want in the classroom.

- **Various recording methods are available immediately**

With "Lesson recording", you can easily record both the text written on the Document Camera and audio. Easy, one-touch playback can be performed of recorded images. Both the examples that you want to show the students and any written text are recorded together, so you can show them to students again to help with their learning.

Other recording methods are also available to suit different objectives. "Intermittent recording" enables the monitoring of changes over a long period of time, while "Frame recording" allows you to record only the scenes that you want.

- **Effortless creation of the required teaching materials**

You can create teaching materials for lessons with the Document Camera. It is simple to retrieve the created teaching materials for use in class. This product is designed especially for use while lessons are in progress, enabling you to teach a wide range of lessons without interrupting the flow of the class.

System requirements

The following requirements must be satisfied for the application software to operate.

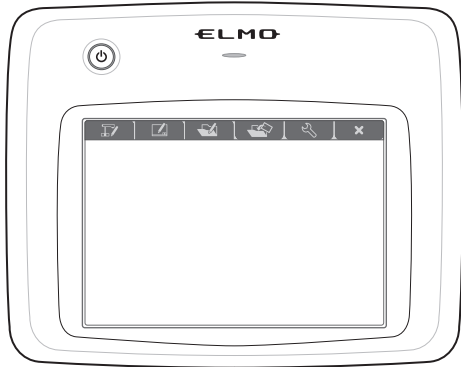
Computer model	IBM PC/AT compatible
Operating system (OS)	Microsoft Windows XP Home Edition / Professional SP2 (32bit) Microsoft Windows Vista Home Basic / Home Premium / Business / Enterprise / Ultimate (32bit) Microsoft Windows 7 Starter / Home Premium / Professional / Ultimate (32bit)
CPU	Intel Pentium 4 2 GHz equivalent or higher
Memory	1 GB or higher
Hard disk	1 GB or higher
Screen resolution	1024×768 pixels or higher 32-bit or higher
USB	USB 2.0 HI-SPEED
Compatible document cameras	<ul style="list-style-type: none">• L-1ex / TT-02RX• L-1n / TT-02s• P10S • P10ex• P30S • i-Pochette



- If a sound device cannot be used, some of the functions may not operate.
- Operation is not guaranteed for all computer environments.

3. SUPPLIED ITEMS

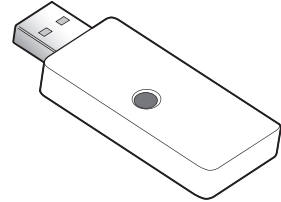
The product's package has the following contents. Contact your dealer if any of the following items are not included in the package you purchased.



Tablet



Dedicated pen



Wireless adapter



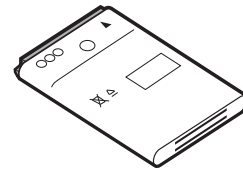
Tweezers for replacing



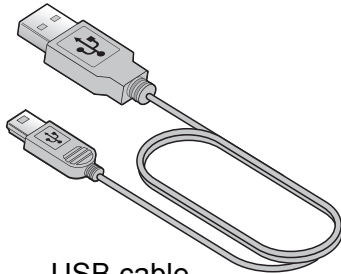
Extra core x3



Dry cell AAA battery



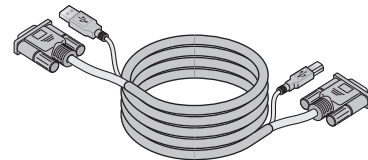
Lithium-ion battery for tablet



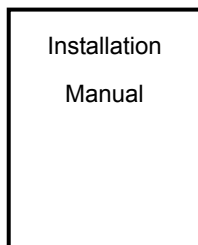
USB cable for charging



Application software (Drawing Mate) CD-ROM



RGB / USB composite cable (For connecting Document Camera to computer)



Installation Manual

Preparations

Software installation and uninstallation

■ Installation

To use this product, you need to install Drawing Mate and the tablet driver on the computer you are using.

When you install Drawing Mate, the tablet driver is also installed.

Use the following procedure to install the software.

1. Insert the supplied CD in the computer's CD drive.
2. Select "Install Drawing Mate" from the menu.



Depending on your environment, the menu may not be displayed automatically. Run Win → setup.exe from the CD drive.

3. Follow the on-screen instructions to install.



Depending on your environment, a warning message may appear about compatibility with the hardware or digital signatures. No problems will occur, so continue with the installation.

4. When installation is complete, the "Drawing Mate" icon is displayed on the desktop. Also, if your OS is Windows XP, the tablet driver's icon is displayed on the taskbar.



Depending on your environment, you may be prompted to restart the computer. Follow the instructions to restart the computer.

■ Uninstallation

To remove Drawing Mate from your computer, remove it using your OS's "Add or Remove Programs".

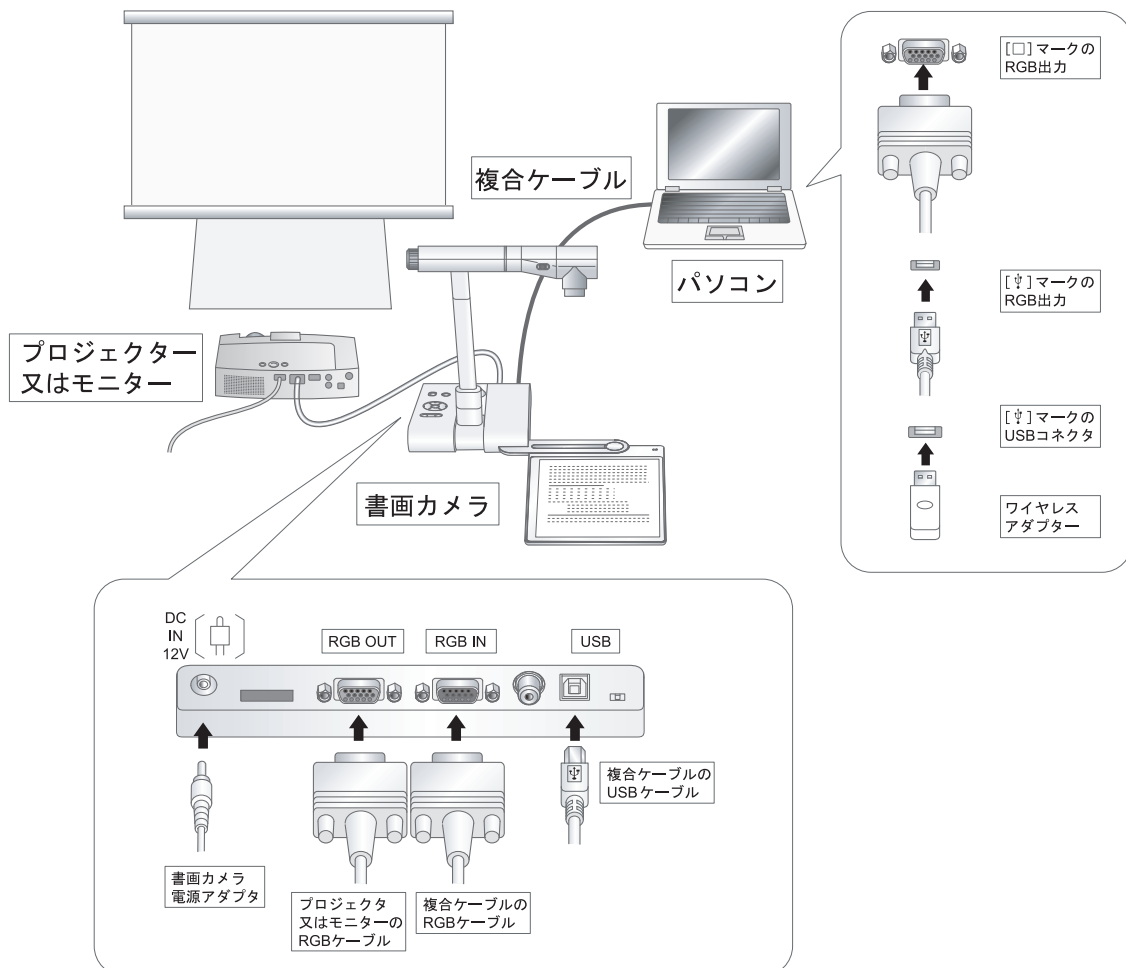
Connections

Items to prepare

- Document Camera (L-1n, L-1ex, P10S, P30S, P10ex, i-Pochette)
- Computer
- Projector or monitor
- RGB cable or DVI cable
- RGB / USB composite cable*
- Tablet*
- Wireless adapter*

*: This product, and items supplied with this product

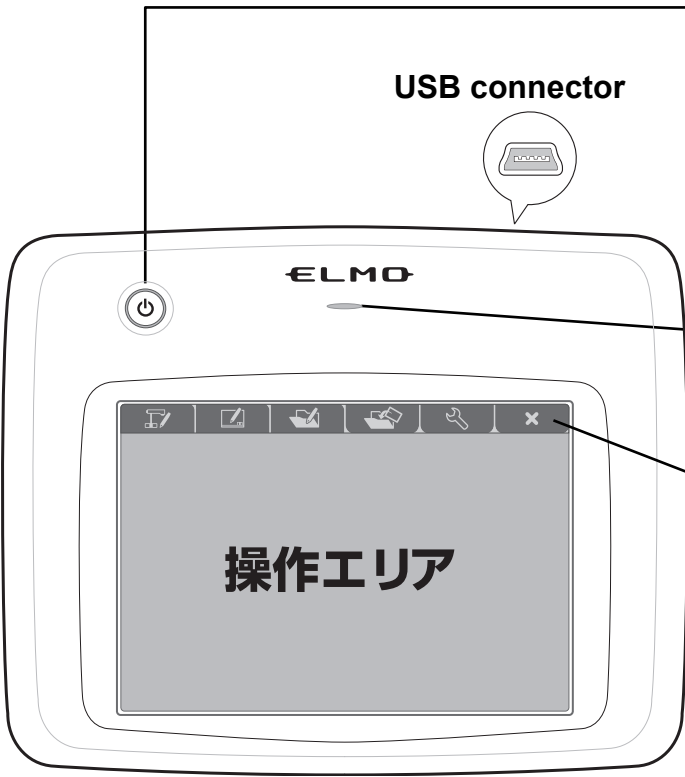
1 Arrange the parts and connect the cables as shown in the figure.



For more details about the installation and operation of each device, see the corresponding User's Guide.

4. PART NAMES

Tablet



Power button

Turns the tablet ON or OFF. Press the button for 3 seconds or more to turn the tablet OFF. When the power is ON, it is lit blue. When the battery charge is low, it flashes.

USB connector



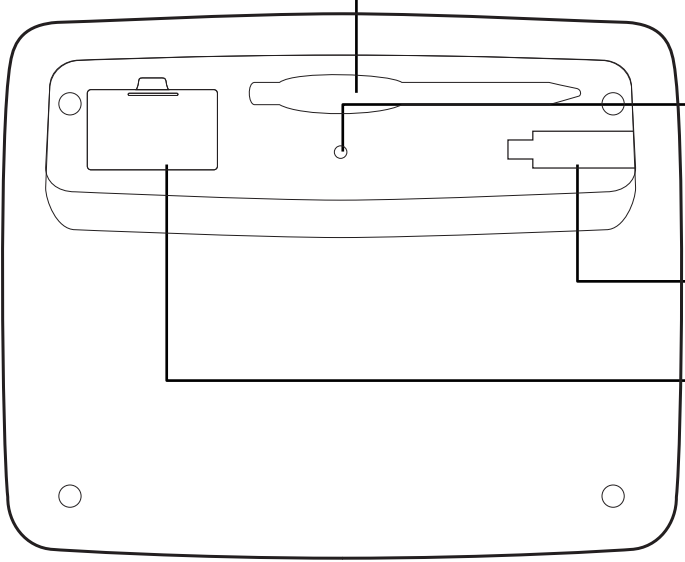
Status LED

Indicates the wireless and battery charge status.

Function keys

Enables quick Drawing Mate operations. See "Operating the tablet" for more details.

Tablet base



Pen slot

Holds the pen.

Wireless settings button


Used when performing communication settings with the wireless adapter.

Wireless adapter storage slot

Insert the wireless adapter.

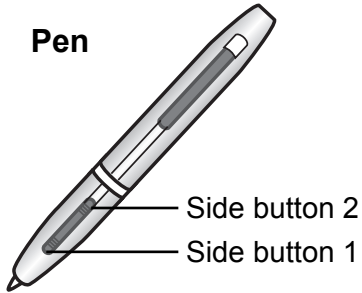
Battery box

Only install a lithium-ion battery made for this product.

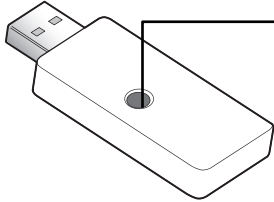


Only open when absolutely necessary.
注意

Pen



Wireless adapter



Wireless settings button (LED)

Used when performing communication settings with the tablet.

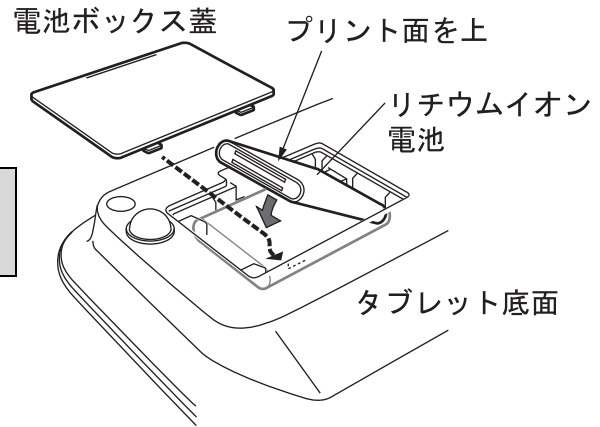
Charging the tablet

1 Install the lithium-ion battery in the tablet.

Install the supplied lithium-ion battery in the battery box on the base of the tablet.



Note the insertion direction of the lithium-ion battery.

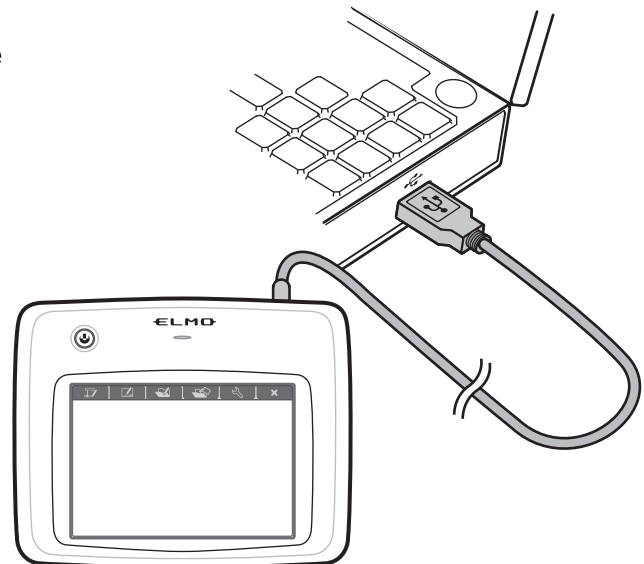


2 Connect the computer and the tablet via a USB cable.

When charging starts:
The "Status LED" in the center of the main unit is lit.

When charging is complete:
The "Status LED" turns off.

Charging time: Approx. 4 hours

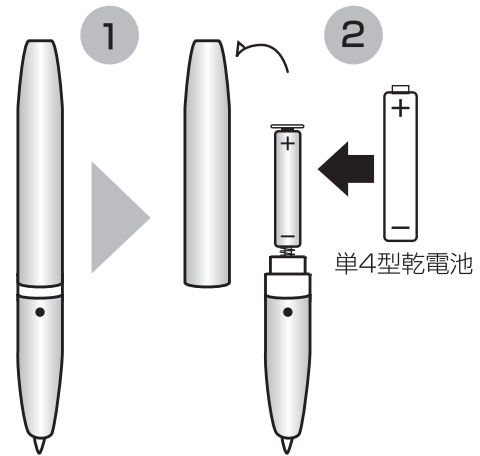


Disconnect the USB cable from the computer as soon as charging is complete.
Do not operate the tablet while it is charging.
Only open the battery box when necessary.

Using the dedicated pen

■ Installing the dry cell battery

Install the dry cell battery in the pen before use.



- Pay attention to the polarity (+/-) of the battery.
- Remove the battery if it will not be used for a long time.
- Do not try to recharge or short-circuit the batteries.
- Use an AAA alkali dry cell battery. Do not use a rechargeable battery (such as Ni-cd).
- The supplied dry cell battery is for an initial operation check. Its operating life is not guaranteed.

Battery replacement period

When the dry cell battery is running low, the operability may deteriorate.



- Be careful because the dry cell battery may pop out when you remove the pen cap.
- You should replace the dry cell battery at least once a year.

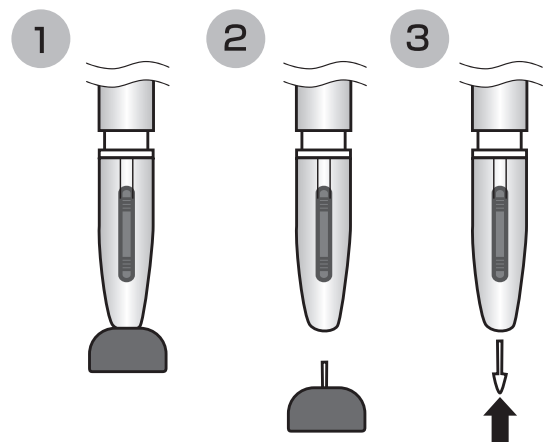
■ Replacing the pen tip

When the pen tip becomes round, replace it with the supplied "extra core".

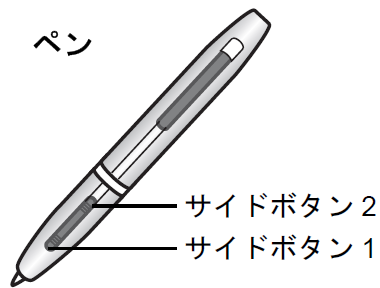
Use the supplied tweezers when replacing the pen tip.



When replacing the pen tip, be sure to replace it with the supplied "extra core".



■ Setting the side buttons and pen



The pen is equipped with "side buttons" to provide assistance with pen operations. If your OS is Windows XP, you can change the settings from the tablet driver.

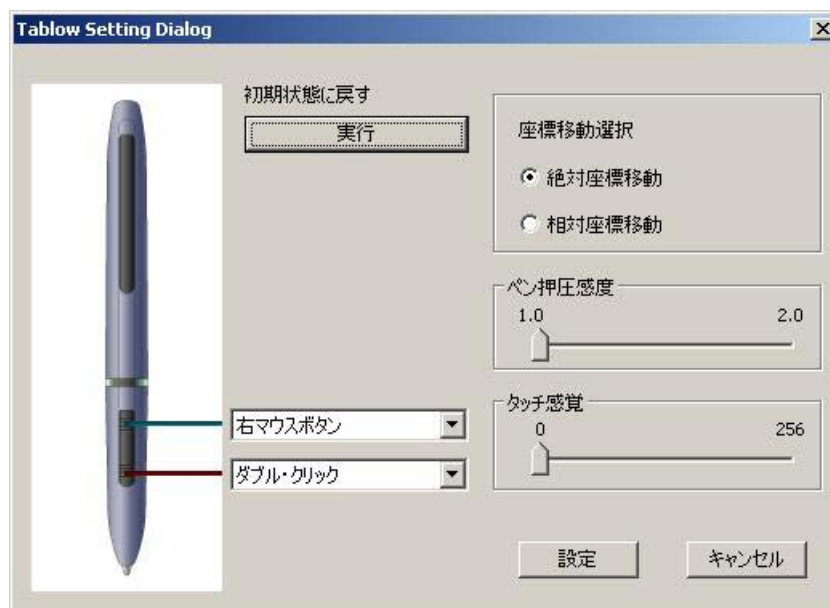


- If your OS is not Windows XP, you cannot change the side button settings.


- 1** Place the cursor on the "Tablet driver" icon that is displayed on the taskbar, click side button 2 (for the initial setting) or right-click, and then select "Setting" in the menu that appears.



- 2** The tablet driver settings screen is displayed. Perform the settings and then press the "Set" button.



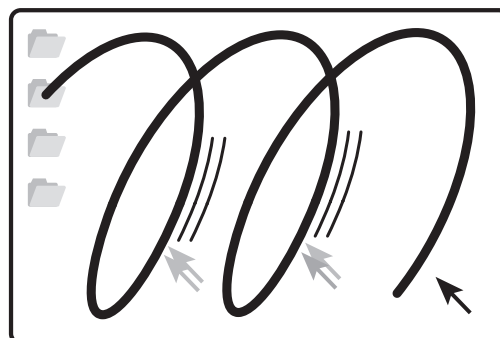
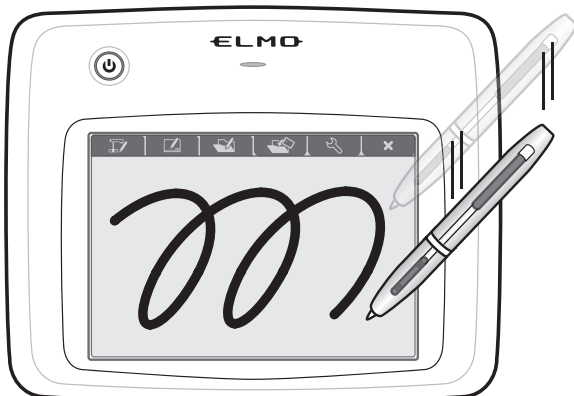
The settings that can be performed with the tablet driver are described below.

Setting items	Setting contents										
Side button	<p>You can set the operations for the pen side buttons. You can select different settings for side button 1 and side button 2.</p> <table border="1" data-bbox="432 365 1289 589"> <thead> <tr> <th>Setting</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>None</td> <td>Not enabled.</td> </tr> <tr> <td>Right button</td> <td>Acts as a mouse's right-click.</td> </tr> <tr> <td>Middle button</td> <td>Acts as a mouse's middle-click.</td> </tr> <tr> <td>Double-click</td> <td>Acts as a mouse's left double-click.</td> </tr> </tbody> </table> <div data-bbox="491 633 1254 741" style="border: 1px solid black; padding: 5px; margin-top: 10px;">  <p>While Drawing Mate is used, the Drawing Mate functions are enabled.</p> </div>	Setting	Operation	None	Not enabled.	Right button	Acts as a mouse's right-click.	Middle button	Acts as a mouse's middle-click.	Double-click	Acts as a mouse's left double-click.
Setting	Operation										
None	Not enabled.										
Right button	Acts as a mouse's right-click.										
Middle button	Acts as a mouse's middle-click.										
Double-click	Acts as a mouse's left double-click.										
Coordinate movement selections	<p>Changes the way the mouse cursor is handled.</p> <table border="1" data-bbox="432 808 1398 1111"> <thead> <tr> <th>Setting</th> <th>Operation</th> </tr> </thead> <tbody> <tr> <td>Absolute positioning movements</td> <td>The cursor reflects tablet movements on the screen.</td> </tr> <tr> <td>Relative positioning movements</td> <td>When the pen is moved, the cursor moves from the current cursor position. The same as a mouse's operation.</td> </tr> </tbody> </table>	Setting	Operation	Absolute positioning movements	The cursor reflects tablet movements on the screen.	Relative positioning movements	When the pen is moved, the cursor moves from the current cursor position. The same as a mouse's operation.				
Setting	Operation										
Absolute positioning movements	The cursor reflects tablet movements on the screen.										
Relative positioning movements	When the pen is moved, the cursor moves from the current cursor position. The same as a mouse's operation.										
Pressure sensitivity	<p>Changes the pen's pressure sensitivity. When the value is increased, the pressure sensitivity is increased. Change the setting if you want to draw thick lines using light pressure.</p>										
Touch sensitivity	<p>Sets the value determining when the pen has touched the tablet. When the value is increased, you need to press more firmly to draw a line. If cursor movements are generating unintended tapping, increase the value.</p>										
Restore defaults	<p>Resets each setting to its initial setting.</p>										

Operating the tablet

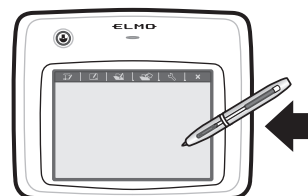
■ Moving the cursor

The operation area of the tablet and the screen of the computer are synchronized.



Desktop

When you move the pen on the tablet's operating area, the cursor on your desktop moves and the operation status is active.



The pen cannot be used if it is moved away from the tablet's operating area.



■ Clicking

Tap the pen once within the operating area.



■ Double-clicking

Tap the pen twice within the operating area.

2回タップする



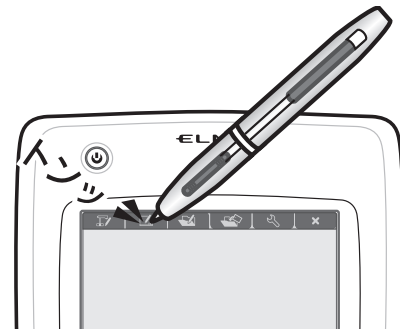
■ Dragging

Move the pen with the tip pressed against the tablet within the operating area.








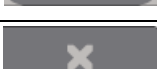
■ Function keys

Activate a Drawing Mate function by tapping the function key that you want.



The following function keys are available.



	Go to Document Camera mode.
	Go to whiteboard mode.
	Go to teaching material mode.
	Go to teaching material creation mode.
	Go to the settings screen.
	Quit Drawing Mate.

For more details on each function, see "Mode descriptions".

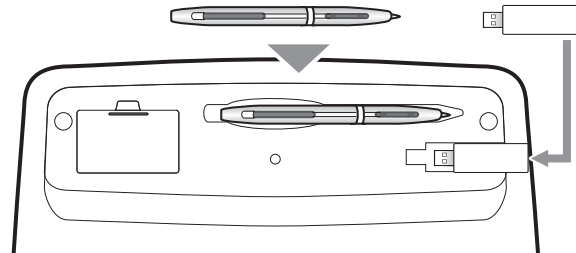


お知らせ

- If the pen is not used for a while, it enters power-saving mode. To reactivate and use the pen, tap the pen tip once.

Storing the wireless adapter and pen

You can store the pen and wireless adapter in the tablet.



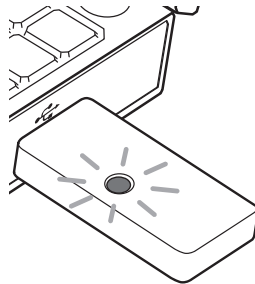
Tablet base



When storing the wireless adapter, make sure it is securely stored in the main unit, and be careful not to drop it while carrying it around.

Tablet preparations

- 1 Connect the wireless adapter to the computer's USB port.

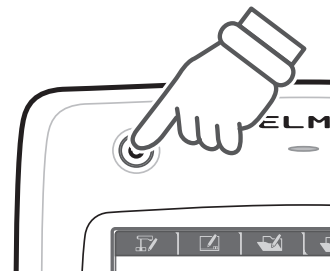



- 2 Turn on the tablet.

(1) When you press the power button, the power LED is lit.

* If the power LED flashes or stays off, there is not enough charge in the lithium-ion battery. Charge the lithium-ion battery.

(2) If the "Status LED" on the main unit flashes repeatedly and communication is not possible, see "If tablet communication cannot be performed".





If this product is used as described below, the communication range between the tablet and wireless adapter may be shortened, or communication may become unstable.

- There is an obstruction between the tablet and wireless adapter
- The product is used while placed on top of a computer
- A wireless device or electronic equipment is being used nearby
- The tablet is moved while being used

Also, due to the inherent characteristics of wireless communication, the communication may become unstable in some positional relationships between the tablet and wireless adapter.

■ If tablet communication cannot be performed (Status LED flashes)

Perform the wireless settings using the "Wireless settings buttons" on the base of the tablet and the wireless adapter.

Turn ON the tablet's power, and press the "Wireless settings button" on the rear side.



The "Status LED" flashes at high speed.

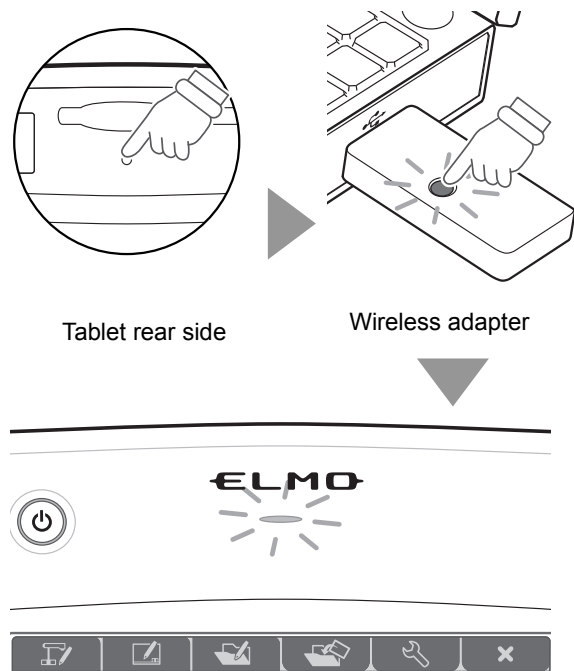



Press the "Wireless settings button" on the wireless adapter.



The "Status LED" on the tablet turns off for a few seconds.

When the "Status LED" turns off, the tablet and wireless adapter can communicate, and the tablet can be used.





Perform the operation within 30 seconds of pressing the "Wireless settings button" on the rear side of the tablet.

About the LEDs

Tablet LEDs

■ Power LED

LED status	Operation
OFF	Power is OFF. Press the power button to turn the power ON.
Lit	Power is ON. Press the power button for 3 seconds to turn the power OFF.
Flashing	The lithium-ion battery is low. Charge the battery.

■ Status LED


LED status	Operation
OFF	When the power is ON, communication with the wireless adapter is being performed correctly.
High-speed flashing (Turns ON and OFF every 0.5 second)	The wireless settings button is pressed.
Flashing (Turns ON and OFF every 1 second)	Cannot communicate with the wireless adapter. See "If tablet communication cannot be performed".
Lit	Charging.

■ Wireless adapter



LED status	Operation
OFF	The computer's power is not ON, or when the power is ON, communication with the tablet is being performed correctly.
High-speed flashing	The wireless settings button for the wireless adapter is pressed.
Flashing	Cannot communicate with the tablet. See "If tablet communication cannot be performed".

Using Drawing Mate

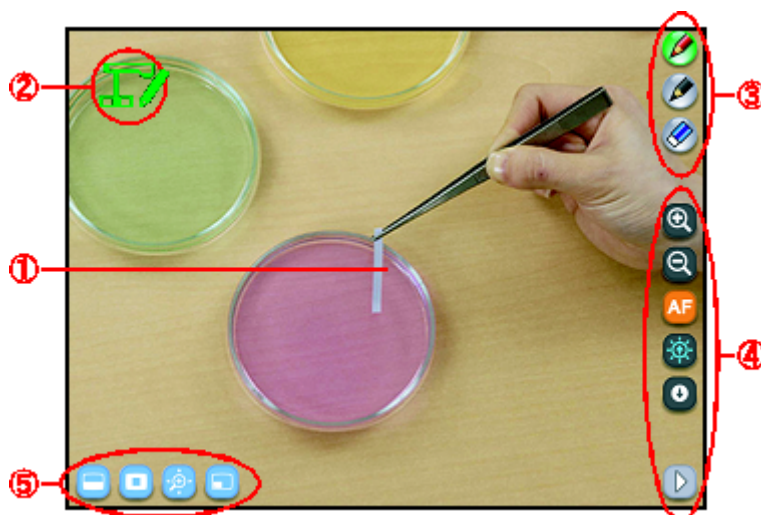
Starting Drawing Mate

To start Drawing Mate, double-click  on the computer.



If you cannot find , start Drawing Mate by clicking  and then clicking All Programs→ELMO→Drawing Mate.

Screen configuration



①	Drawing area	This area is for displaying the Document Camera image and drawing. The entire monitor is the drawing area.
②	Status display area	The current operation is indicated with an icon.
③	Drawing menu area	You can select the pen to use for drawing, or delete all drawings.
④	Menu area	These buttons are for settings or operations.
⑤	Sub menu area	This menu is displayed or hidden depending on the mode.

Mode descriptions

When using Drawing Mate, change the mode to suit your objective.

The following four modes are available.

■ Document Camera mode



This mode is for using a Document Camera in a lesson.
It displays the image of the Document Camera.

■ Whiteboard mode



This mode is for using the product as a whiteboard in a lesson.
You can use pre-prepared images as the background.

■ Teaching material mode



This mode is for using teaching materials in a lesson.
The teaching materials are pictures and videos that can be handled with Drawing Mate, and teaching material data that are created in teaching material creation mode. The selected teaching material is displayed in this mode.

■ Teaching material creation mode



This mode is for creating teaching materials for use in a lesson.
You can create teaching materials using resources such as the Document Camera, pictures, stamps and videos.

■ Setting mode





This mode is for setting Drawing Mate operations.
It can be used to display the version or status of connected devices, and to set Drawing Mate operations such as "Pen settings", "Hide menus" and "Expert mode".

The modes can be changed with the function keys at the top of the tablet, or with the menu button in the "Expert" setting. Drawn lines are retained when the mode is changed.



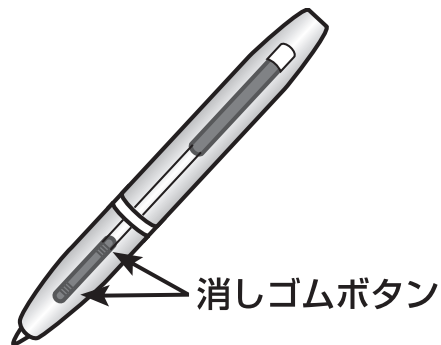
- If you create an example video or prepare an accurate drawing before a lesson in teaching material creation mode, it will help make your class run smoothly.

Drawing

- 1 Select the pen to use from  and  on the right of the screen.
- 2 Drag to draw.

Deleting

- 1 If you only want to delete part of the drawings, align the cursor with the area that you want to delete and press side button 2, or tap while pressing side button 1.



- 2 To delete all the drawings on a screen, press  .

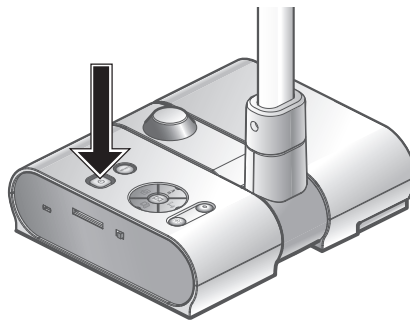
Document Camera mode

You can use Drawing Mate to display an image from a Document Camera and operate the camera, and draw on the displayed image.

When connecting the devices, refer to "Connections" if necessary.

Displaying the Document Camera image

- 1 Turn on the Document Camera.



- 2 Start Drawing Mate.

When Drawing Mate starts, the image from the Document Camera is displayed.



When the Document Camera is connected for the first time, the driver may start to install. Follow the instructions on the screen to perform the installation.

Operating the Document Camera

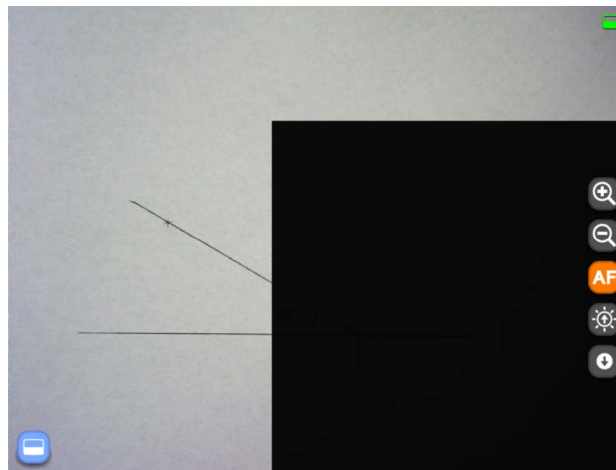
① Operate by pressing  ,  and   on the right of the screen.

Using the mask



① Press  on the bottom left of the screen.

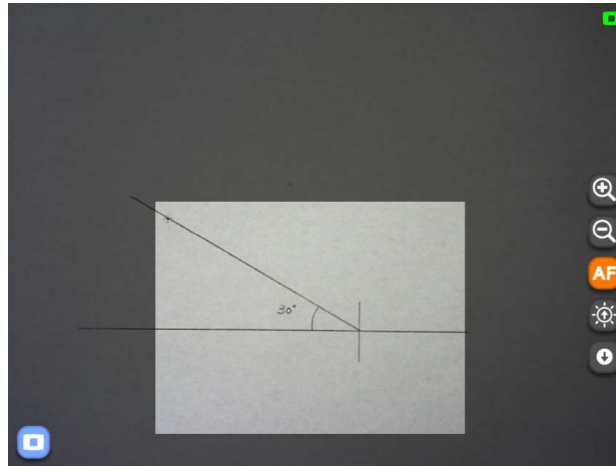
② The entire screen is masked. Drag the mask to move it.

③ To cancel the mask, press  on the bottom left of the screen.





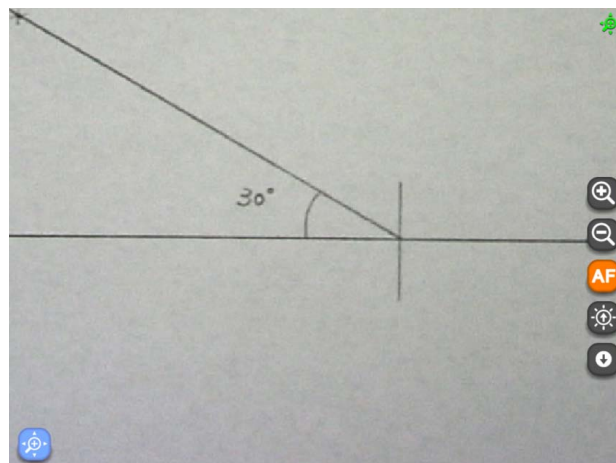
Using the highlight

- 1 Press  on the bottom left of the screen.
- 2 The highlighted area is displayed on the screen. Drag the highlighted area to move it.
- 3 To cancel the highlight, press  on the bottom left of the screen.




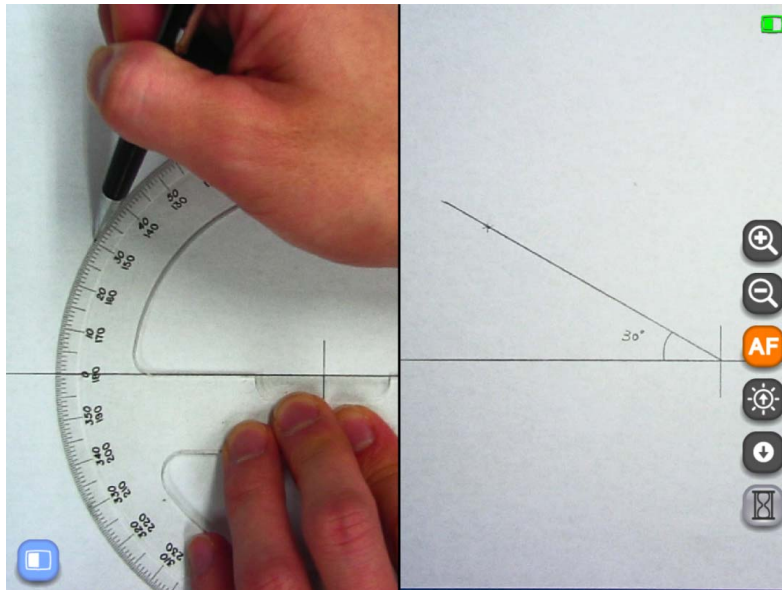
Using the scroll

- 1 Press  on the bottom left of the screen.
- 2 An electronically magnified image is displayed on the screen. Drag the electronically magnified area to move it.
- 3 To cancel the scroll, press  on the bottom left of the screen.



Using compare pictures

- 1 Press  on the bottom left of the screen.
- 2 The screen is split, with the picture shot when the button is pressed displayed on the left, and the current Document Camera image displayed on the right. Drag the displayed area to move it.





- 3 To cancel compare pictures, press  on the bottom left of the screen.

Setting the computer image as the background




- 1 Tap  on the right of the screen, and then press .

The computer screen is displayed.

- 2 Press  to set the computer screen as the background, and press  to return Drawing Mate to the previous condition.

Saving the contents of a lesson on video



- 1 Display the image that you want to save on video.

- 2 Tap  on the right of the screen and select  to start recording on video, and select  to stop the recording.



- When the mode is changed to "Teaching material creation mode", the recording stops.
- To check the created video, refer to "Viewing pictures and videos".












Saving the contents of a lesson as a picture















- 1 Display the image that you want to save as a picture.
- 2 Tap  on the right of the screen, and select  to save a picture.



- To check the created picture, refer to "Viewing pictures and videos".






■ Menu buttons

 Pen 1	Selects pen 1. The initial setting is a red pen. You can change the settings for this pen in "Settings".
 Pen 2	Selects pen 2. The initial setting is a black pen. You can change the settings for this pen in "Settings".
 Delete all	Deletes all the lines, stamps and images that are drawn on the screen. If you only want to delete part of the drawings, align the cursor with the area that you want to delete and press side button 2, or tap while pressing side button 1.
  Zoom +/-	The zoom control function of the Document Camera.
 AF	The AF (Auto Focus) function of the Document Camera.
  Brightness +/-	The brightness control function of the Document Camera.
 Operate PC	Use to operate the computer. On the computer screen, tap  to change to "Whiteboard mode" and set the captured PC image as the background. Tap  to display Drawing Mate in its

	previous condition.
 Start/stop lesson recording	Saves the currently displayed contents as a video. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The saved videos can be played back in "  Teaching material mode".
 Capture	Saves the currently displayed contents as a picture. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The pictures can be displayed in "  Teaching material mode".
 Settings	You can perform settings for the pen or Drawing Mate.
 Quit	Quit Drawing Mate.
 Next menu	Displayed when the whole menu cannot be displayed on one screen. Use this button to go to the next menu. When the final menu is displayed, tap this button to return to the first menu.
 Undo	Enables you to redo the last drawing edit that you performed (such as drawing with a pen or deleting with the eraser).
 Select	You can select a line that you drew with a pen to move it or change its size.
 Stamp	You can insert stamps that you have pre-prepared.
 Document Camera mode	Go to Document Camera mode.
 Whiteboard mode	Go to whiteboard mode.
 Teaching material mode	Go to teaching material mode.
 Teaching material creation mode	Go to teaching material creation mode.

The grayed items can be used in expert mode.
See "Button list" for more details.

■ Sub menu buttons

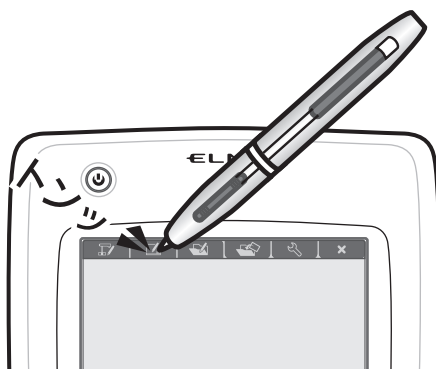
 Mask	<p>This function hides part or all of the Document Camera image that is displayed.</p> <p>You can move the mask range by dragging it.</p> <p>In one operation, you can only move the range up or down or to the left or right. When the mask range touches the edge of the screen, the movement stops. You can drag the range again to move it.</p>
 Highlight	<p>This function brings attention to a part of the Document Camera image.</p> <p>You can move the highlighted area by dragging it.</p> <p>In expert mode, you can change the highlight range by dragging areas that are not highlighted.</p>
 Scroll	<p>This function performs electronic magnification of the Document Camera image.</p> <p>Use it to magnify areas that are too small.</p> <div data-bbox="671 958 1377 1070" style="border: 1px solid black; padding: 5px;">  This is different from the zoom function of the Document Camera. </div>
 Compare pictures	<p>This function displays together the picture that is shot when the button is pressed and the current image. The picture is displayed on the left of the screen and the current image is displayed on the right.</p> <p>Areas that are not displayed can be scrolled by dragging.</p> <p>Use it to compare a picture with an image.</p>

Using the whiteboard






With Drawing Mate, in addition to displaying the Document Camera, you can select a pre-prepared background.

Setting the whiteboard

- 1 Start Drawing Mate.
- 2 When Drawing Mate has started, tap the  function key on the tablet.



Changing the background

- 1 Select the background to use from  (vertical lines),  (horizontal lines),  (graph paper),  (musical score) and  (whiteboard).



To set an image that you have prepared yourself as the background, use teaching material mode or teaching material creation mode. See "Changing the background" for more details.

Setting the computer image as the background

See "Setting the computer image as the background".
















Saving the contents of a lesson on video











See "Saving the contents of a lesson on video".

Saving the contents of a lesson as a picture

See "Saving the contents of a lesson as a picture".

■ Menu buttons

 Pen 1	<p>Selects pen 1. The initial setting is a red pen. You can change the settings for this pen in "Settings".</p>
 Pen 2	<p>Selects pen 2. The initial setting is a black pen. You can change the settings for this pen in "Settings".</p>
 Delete all	<p>Deletes all the lines, stamps and images that are drawn on the screen. If you only want to delete part of the drawings, align the cursor with the area that you want to delete and press side button 2, or tap while pressing side button 1.</p>
 Vertical line background	<p>Sets vertical lines as the background.</p>
 Horizontal line background	<p>Sets horizontal lines as the background.</p>
 Graph paper background	<p>Sets graph paper as the background.</p>
 Musical score background	<p>Sets musical score as the background.</p>
 Whiteboard background	<p>Sets a whiteboard as the background.</p>
 Operate PC	<p>Use to operate the computer. On the computer screen, tap  to set the captured PC image as the background. Tap  to display Drawing Mate in its previous condition.</p>
 Start/stop lesson recording	<p>Saves the currently displayed contents as a video. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The saved videos can be played back in " Teaching material mode".</p>
 Capture	<p>Saves the currently displayed contents as a picture. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The pictures can be displayed in " Teaching material mode".</p>

 Settings	You can perform settings for the pen or Drawing Mate.
 Quit	Quit Drawing Mate.
 Next menu	Displayed when the whole menu cannot be displayed on one screen. Use this button to go to the next menu. When the final menu is displayed, tap this button to return to the first menu.
 Undo	Enables you to redo the last drawing edit that you performed (such as drawing with a pen or deleting with the eraser).
 Select	You can select a line that you drew with a pen to move it or change its size.
 Stamp	You can insert stamps that you have pre-prepared.
 Document Camera mode	Go to Document Camera mode.
 Whiteboard mode	Go to whiteboard mode.
 Teaching material mode	Go to teaching material mode.
 Teaching material creation mode	Go to teaching material creation mode.

The grayed items can be used in expert mode.

See "Button list" for more details.

Teaching material mode

You can use Drawing Mate to save lesson contents, examples or other materials onto a computer and play them back later.

When teaching material mode is entered, a screen for selecting the teaching material to view is displayed.

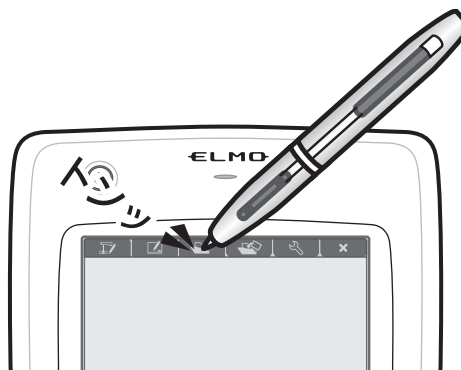


In teaching material mode, the menu differs depending on the teaching material that is retrieved.

Viewing pictures and videos

You can use Drawing Mate to view the videos and pictures that you saved in "Saving the contents of a lesson on video" and "Saving the contents of a lesson as a picture".

- 1 Start Drawing Mate.
- 2 When Drawing Mate has started, tap the  function key on the tablet.









- 3** The teaching material selection screen is displayed. Select the picture or video that you want to view.








Pictures, videos and teaching materials created in teaching material creation mode can be selected in the teaching material selection screen.

The teaching materials are displayed from the latest update date, but favorite teaching materials are displayed first regardless of their update dates.

 Filter	Sets a condition for the teaching materials to be displayed.
 File dialog box	Use to select images or other materials that are saved on the computer.
 Page	When all teaching materials cannot be displayed on a single screen, they can be selected by changing the page.
Information	Displays the update date for the selected teaching material.
Type	Displays a description of the selected teaching material.
 Favorite	Sets the selected teaching material as a favorite. Favorite teaching materials are displayed first on the teaching material selection screen.
 Delete	Deletes the selected teaching material. Be very careful when deleting because the deleted teaching material cannot be restored.
 Cancel	Cancels the teaching material selection and returns to the previous mode.

Operating a video

- 1** In the teaching material selection screen, select a video or a teaching material that contains a video.
- 2** Operate the video with the buttons displayed below.

 Playback speed	Changes the playback speed of the video. The playback speed changes each time you tap the button.
 Play/pause	Pauses or starts the video playback.
 Sequence bar	Changes the playback position of the video.
 Volume	Adjusts the volume of videos that have audio. <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Only displayed if your computer has a sound device.</div>

Setting the computer image as the background

See "Setting the computer image as the background".

Saving the contents of a lesson on video

See "Saving the contents of a lesson on video".

Saving the contents of a lesson as a picture

See "Saving the contents of a lesson as a picture".

Using the mask

See "Using the mask".

Using the highlight

See "Using the highlight".















Using the scroll







See "Using the scroll".

Using compare pictures

See "Using compare pictures".

■ Menu buttons






 Pen 1	<p>Selects pen 1. The initial setting is a red pen. You can change the settings for this pen in "Settings".</p>
 Pen 2	<p>Selects pen 2. The initial setting is a black pen. You can change the settings for this pen in "Settings".</p>
 Delete all	<p>Deletes all the lines, stamps and images that are drawn on the screen. If you only want to delete part of the drawings, align the cursor with the area that you want to delete and press side button 2, or tap while pressing side button 1.</p>
 Operate PC	<p>Use to operate the computer. On the computer screen, tap  to change to "Whiteboard mode" and set the captured PC image as the background. Tap  to display Drawing Mate in its previous condition.</p>
 Start/stop lesson recording	<p>Saves the currently displayed contents as a video. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The saved videos can be played back in " Teaching material mode".</p>
 Capture	<p>Saves the currently displayed contents as a picture. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The pictures can be displayed in " Teaching material mode".</p>
 Settings	<p>You can perform settings for the pen or Drawing Mate.</p>
 Quit	<p>Quit Drawing Mate.</p>
 Next menu	<p>Displayed when the whole menu cannot be displayed on one screen. Use this button to go to the next menu. When the final menu is displayed, tap this button to return to the first menu.</p>
 Undo	<p>Enables you to redo the last drawing edit that you performed (such as drawing with a pen or deleting with the eraser).</p>

 Select	You can select a line that you drew with a pen to move it or change its size.
 Stamp	You can insert stamps that you have pre-prepared.
 Document Camera mode	Go to Document Camera mode.
 Whiteboard mode	Go to whiteboard mode.
 Teaching material mode	Go to teaching material mode.
 Teaching material creation mode	Go to teaching material creation mode.

The grayed items can be used in expert mode.

See "Button list" for more details.


■ Sub menu buttons

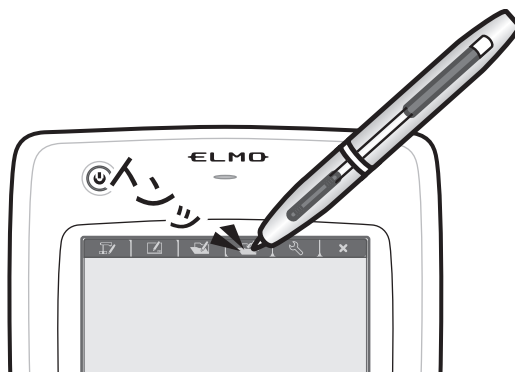
 Mask	<p>This function hides part or all of the Document Camera image that is displayed.</p> <p>You can move the mask range by dragging it.</p> <p>In one operation, you can only move the range up or down or to the left or right. When the mask range touches the edge of the screen, the movement stops.</p> <p>You can drag the range again to move it.</p>
 Highlight	<p>This function brings attention to a part of the Document Camera image.</p> <p>You can move the highlighted area by dragging it.</p> <p>In expert mode, you can change the highlight range by dragging areas that are not highlighted.</p>
 Scroll	<p>This function performs electronic magnification of the Document Camera image.</p> <p>Use it to magnify areas that are too small.</p> <div data-bbox="671 1749 1377 1861" style="border: 1px solid black; padding: 5px;">  This is different from the zoom function of the Document Camera. </div>
 Compare pictures	<p>This function displays together the picture that is shot when the button is pressed and the current image. The picture is displayed on the left of the screen and the current image is displayed on the right.</p>

	Areas that are not displayed can be scrolled by dragging. Use it to compare a picture with an image.
--	---

Teaching material creation mode

You can use Drawing Mate to prepare teaching materials in advance for use in a lesson.

- 1 Start Drawing Mate.
- 2 When Drawing Mate has started, tap the  function key on the tablet.




Creating a new teaching material

- 1 Press .

The teaching material currently being created is erased and a new teaching material is created.




- 2

 注意	Be careful because a teaching material that has not been saved will be lost.
---	--







Opening a teaching material

- 1 Press .


Saving a teaching material

 Create new	Create a new teaching material. When teaching material creation mode is entered for the first time after starting Drawing Mate, the create new status is entered.
 Open	Edit existing teaching material creation data. When this button is pressed, the teaching material selection screen is displayed. Select the data to edit.
 Save	Save by overwriting the teaching material creation data that is currently being edited.

Operating the Document Camera

- 1 Press  on the right of the screen to display the Document Camera remote control.
- 2 Perform operations by pressing , ,  and  .

Creating a Document Camera video

- 1 Press  on the right of the screen.
- 2 The Document Camera remote control is displayed.
(Not displayed if the Document Camera is not connected.)



3 Press  and perform the record settings.





The following types of recording are available for creating a Document Camera video. The details of the recording differ depending on the mode or application, so select a type that is suitable for your objective.

Name	Description
Normal recording	Saves the image of the Document Camera in a video. Elements such as drawn lines, buttons, pointers and audio are not saved. The video can be played back in "Teaching material mode".
Intermittent recording	Saves the image of the Document Camera at the interval set in "Intermittent time". This is suitable for saving a subject that changes over a long period of time.
Frame recording	Records the image of the Document Camera each time the frame recording button is tapped. If you change the subject while saving, you can make a video that is similar to animation.



Unlike the other modes, when recording in the teaching material creation mode, only the image of the Document Camera is saved in the video.

4 Press  to start recording.

In frame recording, recording is performed each time  is tapped.

5 To finish the recording, press .

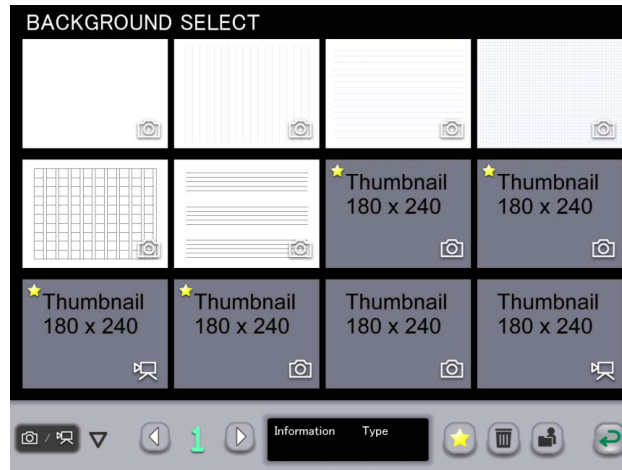


When the mode is changed to a mode other than "Teaching material creation mode", the recording stops.

Changing the background






When creating teaching materials using a Document Camera, you can select a background from the pictures and videos created with Drawing Mate.




- 1 Press , and select the picture or video to use as the background in the BACKGROUND SELECT screen.



Pictures, videos and teaching materials created in teaching material creation mode can be selected in the teaching material selection screen.

The teaching materials are displayed from the latest update date, but favorite teaching materials are displayed first regardless of their update dates.


 Filter	Sets a condition for the teaching materials to be displayed.
 File dialog box	Use to select images or other materials that are saved on the computer.
 Page	When all teaching materials cannot be displayed on a single screen, they can be selected by changing the page.
Information	Displays the update date for the selected teaching material.
Type	Displays a description of the selected teaching material.
 Favorite	Sets the selected teaching material as a favorite. Favorite teaching materials are displayed first on the teaching material selection screen.
 Delete	Deletes the selected teaching material. Be very careful when deleting because the deleted teaching material cannot be restored.

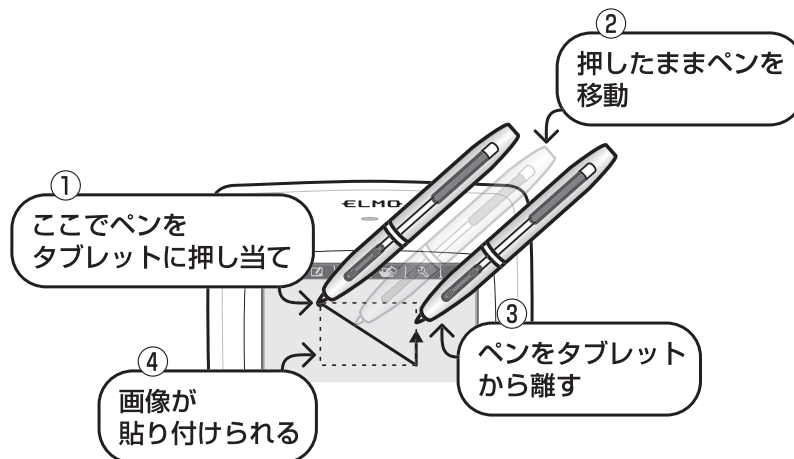
 File selection	<p>Select an image that is saved on the computer.</p> <div data-bbox="730 264 1321 443" style="border: 1px solid gray; padding: 5px;">  注意 Depending on the image type, it may not be possible to use some of the images that are saved on your computer. </div>
 Cancel	<p>Cancels the teaching material selection and returns to the previous mode.</p>

4 The selected image is displayed as the background.

Inserting pictures


When creating teaching materials, you can insert pictures that are saved on your computer.

- 1** Press  on the right of the screen.
- 2** Select an image that is saved on the computer.
- 3** Drag and drop on the screen to insert the selected image.



Using stamps

When creating teaching materials, you can insert stamps that you have pre-prepared.


- 1 Press  on the right of the screen.
- 2 In the stamp selection screen, select a stamp to use.

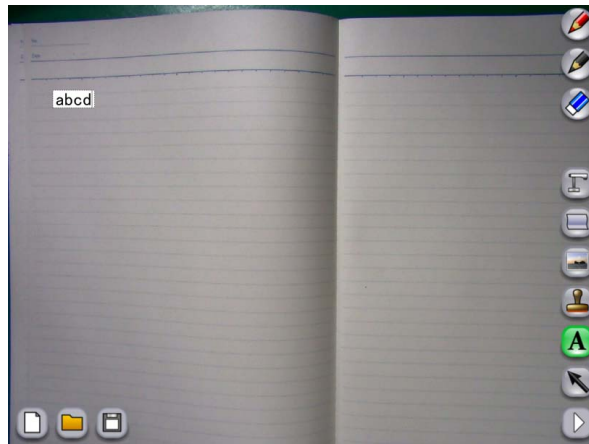


- 3 Click on the screen to insert the selected stamp.


Entering text

When creating teaching materials, you can enter text using the computer's keyboard.

- 1 Press  on the right of the screen.
- 2 Tap on the screen to enable keyboard input.



Selecting a line or picture

- 1 Press  on the right of the screen.
- 2 Drag on the screen to select a line or picture within the range of dragging. The selected line or picture can be moved by dragging it.

Setting the computer image as the background

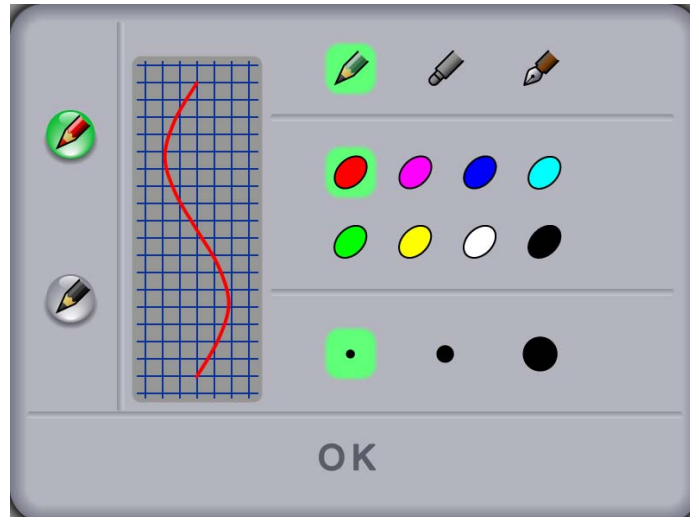
See "Setting the computer image as the background".

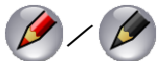



Saving the contents of a lesson as a picture

See "Saving the contents of a lesson as a picture".

Changing the pen settings

- 1 Press  on the right of the screen to display the pen settings screen.

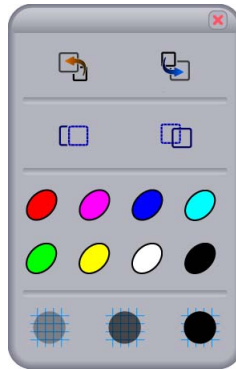


 Pen 1/pen 2	Select the pen that you want to set.						
 Pencil/pen/fountain pen	Select the type for the selected pen. <table border="1" data-bbox="659 1108 1369 1496"> <tr> <td>Pencil</td> <td>Draws lines with the set thickness regardless of the pen pressure. The color transparency is 0%.</td> </tr> <tr> <td>Pen</td> <td>Draws lines with the set thickness regardless of the pen pressure. The color transparency is 50%.</td> </tr> <tr> <td>Fountain pen</td> <td>Changes the thickness according to the pen pressure. The color transparency is 50%.</td> </tr> </table>	Pencil	Draws lines with the set thickness regardless of the pen pressure. The color transparency is 0%.	Pen	Draws lines with the set thickness regardless of the pen pressure. The color transparency is 50%.	Fountain pen	Changes the thickness according to the pen pressure. The color transparency is 50%.
Pencil	Draws lines with the set thickness regardless of the pen pressure. The color transparency is 0%.						
Pen	Draws lines with the set thickness regardless of the pen pressure. The color transparency is 50%.						
Fountain pen	Changes the thickness according to the pen pressure. The color transparency is 50%.						
 Color button	Select the color for the selected pen.						
 Thickness	Select the thickness for the selected pen.						





- 2 Select the pen type, color and pen thickness for pen 1 or pen 2, and then tap OK.

Changing a line or picture





- 1 Press  on the right of the screen to display the edit drawing screen.



















In the edit drawing screen, you can change the selected line, picture or text.




 Bring to front/ send to back	Moves the position of the selected line or picture to the front or back of other lines or pictures. This changes the positions of overlapping lines or pictures.
 Copy/paste	Copies or pastes the selected line or picture. Use to duplicate the same line or picture.
 Change color	Changes the color of the selected line or text.
 Change density	Changes the density of the selected line or text.

■ Menu buttons

 Pen 1	Selects pen 1. The initial setting is a red pen. You can change the settings for this pen in "Settings".
 Pen 2	Selects pen 2. The initial setting is a black pen. You can change the settings for this pen in "Settings".
 Delete all	Deletes all the lines, stamps and images that are drawn on the screen. If you only want to delete part of the drawings, align the cursor with the area that you want to delete and press side button 2, or tap while pressing side button 1.
 Document Camera background	Set the background of teaching material creation mode as the Document Camera image. In teaching material creation mode, perform Document Camera operations with the "Document Camera remote control".


 Change background	<p>Select a background from vertical lines, horizontal lines, graph paper, copy paper, musical score, whiteboard, previously recorded videos, previously shot pictures, and images that are saved on the computer.</p>
 Insert image	<p>Insert an image that is saved on the computer.</p>
 Stamp	<p>Insert a stamp that you have pre-prepared.</p>
 Enter text	<p>Enter text with a keyboard.</p>
 Select	<p>You can select an element such as a line, stamp or inserted image to move it or change its size.</p>
 Operate PC	<p>Use to operate the computer. On the computer screen, tap  to set the captured PC image as the background. Tap  to display Drawing Mate in its previous condition.</p>
 Capture	<p>Saves the currently displayed contents as a picture. Elements such as the Document Camera image that is displayed on the background, the background image and the drawn lines are recorded, but elements such as the buttons and pointer are not recorded. The pictures can be displayed in " Teaching material mode".</p>
 Pen settings	<p>Perform pen settings.</p>
 Edit drawing	<p>You can edit elements such as lines, stamps or inserted images, such as by moving them, changing their size, or copying and pasting them.</p>
 Document Camera mode	<p>Go to Document Camera mode.</p>
 Whiteboard mode	<p>Go to whiteboard mode.</p>
 Teaching material mode	<p>Go to teaching material mode.</p>
 Teaching material creation mode	<p>Go to teaching material creation mode.</p>

■ Sub menu buttons




 Create new	Create a new teaching material. When teaching material creation mode is entered for the first time after starting Drawing Mate, the create new status is entered.
 Open	Edit existing teaching material creation data. When this button is pressed, the teaching material selection screen is displayed. Select the data to edit.
 Save	Save by overwriting the teaching material creation data that is currently being edited.

Setting mode

This mode is for setting Drawing Mate operations.

- ① Start Drawing Mate.
- ② When Drawing Mate has started, tap the  function key on the tablet.



Display version	Displays the version of Drawing Mate, the version of the tablet, and the version of the wireless adapter.
 Electric wave strength	Displays the electric wave strength of the tablet and wireless adapter. When the electric wave strength is low, correct operation may not be possible.
 Battery level	Displays the level of the lithium-ion battery. When the level of the lithium-ion battery is low, charge it.
 Pen settings	Displays the settings for pen 1 and pen 2. See "Changing the pen settings" for more details.
Hide menus	Hides the menus and sub menus that are normally displayed. Select when you want to use a larger area on the screen.
Expert mode	Increases the number of items displayed in the menus. See "Button list" for more details.

Button list

The displayed buttons vary depending on the mode.

Also, when "Expert" is set, a menu is displayed that is not normally displayed.

■ Expert setting

When expert is selected with the "Expert" setting in "Settings", the operations change as described below.

- The number of menu items displayed in each mode increases.
- The highlight range of the highlight function can be changed.

Mastering these functions will enable more flexible operations.


■ Button list

- . . . Can always be used.
- . . . Cannot be used.
- △ . . . Can be used in the expert setting or depending on the operating status.

Button name	Document Camera mode	Whiteboard mode	Teaching material mode	Teaching material creation mode
Pen 1	○	○	○	○
Pen 2	○	○	○	○
Delete all	○	○	○	○
Zoom +/-	○	—	—	△
AF	○	—	—	△
Brightness +/-	○	—	—	△
Start/stop lesson recording	○	○	○	—
Capture	○	○	○	○
Vertical lines, horizontal lines, graph paper, musical score, whiteboard background	—	○	—	—
Settings	○	○	○	○
Quit	○	○	○	○
Next menu	○	○	△	○
Operate PC	○	○	○	○
Document Camera background	—	—	—	○
Change background	—	—	—	○
Insert image	—	—	—	○
Stamp	△	△	△	○

Undo	△	△	△	○
Select	△	△	△	○
Stop/restart screen	△	—	—	○
Enter text	—	—	—	○
Pen settings	—	—	—	○
Edit drawing	—	—	—	○
Document Camera mode	△	△	△	○
Whiteboard mode	△	△	△	○
Teaching material mode	△	△	△	○
Teaching material creation mode	△	△	△	○
Mask	○	—	△	—
Highlight	○	—	△	—
Scroll	○	—	△	—
Compare pictures	○	—	△	—
Playback speed	—	—	△	△
Play/pause	—	—	△	△
Change volume	—	—	△	△
Create new	—	—	—	○
Open	—	—	—	○
Save	—	—	—	○

6. TROUBLESHOOTING

Tablet power does not turn ON	
Is the lithium-ion battery installed?	Check that the lithium-ion battery is inserted correctly.
Is the lithium-ion battery charged?	Refer to "Charging the tablet" and charge the lithium-ion battery.
Cannot use the tablet / The cursor does not move	
Is the tablet driver operating correctly?	The tablet driver's installation may not have been completed correctly. Refer to "Using the tablet driver" and install the tablet driver.
Are the tablet driver's settings suitable?	The tablet may not respond if the pressure sensitivity is too low or the touch sensitivity is too high. Perform the appropriate settings.
Is the wireless adapter connected to the computer?	Check that the wireless adapter is connected to the computer being used. <div style="border: 1px solid black; padding: 5px; display: inline-block;">  <p>Connect the wireless adapter directly to the USB port on the PC. It may not operate correctly if a USB hub is used.</p> </div>
Is the Status LED on the tablet or the LED on the wireless adapter flashing?	See "If tablet communication cannot be performed".
Communication is not possible.	If wireless devices or electronic equipment are used near the product, communication between the tablet and wireless adapter may be unstable due to interference from electric waves. Do not use equipment that causes interference when using this product.
Is the pen's dry cell battery flat?	Replace with a new dry cell battery.
Communication between the tablet and wireless adapter is unstable	
Are the tablet and wireless adapter in the proper condition?	If there is an obstruction between the tablet and wireless adapter or the product is used while placed on top of a computer, the communication range may be shortened, the communication may become unstable, or the tablet may operate abnormally. Remove the obstruction or change the installation location.
Is a wireless device or electronic equipment being used nearby?	Wireless devices or electronic equipment may interfere with the communication between the tablet and wireless

	adapter. Stop using the wireless device or electronic equipment, or move to a location with no interference.
--	--

8. ABOUT TRADEMARKS

ELMO is a registered trademark of ELMO Co., Ltd.

Teacher's + Choice and Drawing Mate are trademarks of ELMO Co., Ltd.

The full title for Windows® XP is the Microsoft® Windows® XP operating system.

The shortened form of the OS name is used in the text.

The full title for Windows® VISTA is the Microsoft® Windows® VISTA operating system.

The shortened form of the OS name is used in the text.

The full title for Windows® 7 is the Microsoft® Windows® 7 operating system.

The shortened form of the OS name is used in the text.

Microsoft and Windows are registered trademarks of the Microsoft Corporation in the U.S. and other countries.

All other company/product names described in this manual are trademarks or registered trademarks of their respective companies.

ABOUT THE WARRANTY

■ **About the warranty certificate**

Your dealer will give you the warranty certificate.

Be sure to check the details on the certificate, such as the dealer name and date of purchase.

Read the contents of the warranty carefully and store it in a safe place.

Warranty period: 1 year from purchase

■ **To order a repair during the warranty period, contact the dealer where you purchased the product.**

The dealer will perform the repair in accordance with the conditions in the warranty certificate.

■ **About maintenance parts**

ELMO will stock maintenance parts for this product (the parts required for maintaining the function of the product) for 8 years after the end of production. Repair will be possible until the end of this parts storage period.


■ **Please provide the following information when ordering repair.**

- Your name, address and telephone number
- Product name and model name
- Date of purchase (refer to your warranty certificate)
- Malfunction description
- Status of the abnormality (as much detail as possible)

■ **To order a repair after the warranty period has elapsed, consult the dealer where you purchased the product.**

If a repair that will maintain the product's function is possible, we can perform it for a fee.

■ **If you have any questions about after-sales service, such as repairs during the warranty period, contact the dealer where you purchased the product.**

<p>Loving inspection</p> 	<ul style="list-style-type: none"> • Please have your devices inspected after using them for a long time! 	<p>Products can deteriorate or break down due to the effects of heat, humidity or dust, or their usage conditions. Sometimes this may impair safety, resulting in an accident.</p>
--	--	--

ELMO CO., LTD.

6-14, Meizen-cho, Mizuho-ku
Nagoya, 467-8567, Japan

OVERSEAS SUBSIDIARY COMPANIES

ELMO USA CORP.

Headquarters

1478 Old Country Road

Plainview, NY 11803-5034, U. S. A.

Tel. (516) 501-1400 Fax. (516) 501-0429

E-mail: elmo@elmousa.com

Web: <http://www.elmousa.com>

West Coast Branch

Cypress Pointe Business Park

5676 Corporate Avenue

Cypress, CA 90630, U. S. A.

Tel. (714) 828-8457 Fax. (714) 828-8429

ELMO (Europe) G. m. b. H.

Neanderstr. 18,

40233 Düsseldorf, Germany

Tel. (0211) 386470 Fax. (0211) 376620

E-mail: info@elmoeurope.com

Web: <http://www.elmoeurope.com>