

Teacher's + Choice

ELMO

Instruction Manual

Student Response System (CRV-24/32)

Please read this manual before using this product.
Please retain this manual.

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

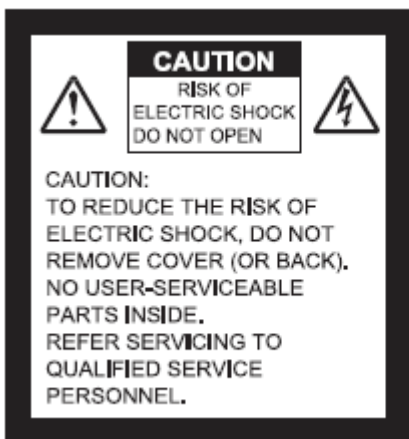
plugs, convenience receptacles, and the point where they exit from the apparatus.

- 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 lightning 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.

NOTICE:

This Class B digital apparatus complies with Canadian ICES-003.

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 ELMO CO.,LTD. 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.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation du débit d'absorption spécifique (DAS).



IMPORTANT SAFEGUARDS

Follow these guidelines to use the product safely.







These "IMPORTANT SAFEGUARDS" 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.

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

Symbols Used in this Manual

	<p>Name: Caution</p> <p>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</p> <p>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</p> <p>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</p> <p>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</p> <p>Meaning: Indicates that touching the area could result in injuries through electric shock, and is strictly prohibited.</p>
	<p>Meaning: Do not disassemble</p> <p>Meaning: Indicates that disassembling the product could result in injuries through electric shock, and is strictly prohibited.</p>

Warning

If for any reason smoke comes out of the product, or you notice any unusual odors or sounds, immediately turn off the power switch on the product and remove the batteries. Then remove the wireless adapter from your computer.



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 for any reason liquid is spilled into the product, immediately turn off the power switch on the clicker and remove the batteries. Then remove the wireless adapter from your computer and contact your local dealer immediately. Continuing to use the product in this condition could result in a fire or electric shock.



If for any reason foreign objects enter the product, immediately turn off the power switch on the clicker and remove the batteries. Then remove the wireless adapter from your computer and contact your local dealer immediately. 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 when using the product.)



If for any reason the product is dropped or damaged, turn off the power switch on the clicker and remove the batteries. Then remove the wireless adapter from your computer and contact your local dealer. Continuing to use the product in this condition could result in a fire or electric shock.



Do not remove the cover from the 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 remodel the product. This could result in a fire or electric shock.



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



Do not spill water on the product. This could result in a fire or electric shock.



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



Do not touch the product or the wireless adapter during a thunder storm. This could result in an electric shock.



Do not place the product or the wireless adapter where someone can trip over it. This could result in injury.



Do not drive a nail into, hammer or stamp on the product.

Otherwise the product may be damaged or deformed and shorted and result in leakage, heat, smoke, explosion or fire.



Warning

Do not apply any heavy impact to the product or throw it. Otherwise the product may be damaged or deformed and shorted and result in leakage, heat, smoke, explosion or fire.



Do not use a battery that appears to be damaged or deformed in any way. This could result in leakage, heat, smoke, explosion or fire.



Do not reverse the battery's polarity (\pm reversed). Abnormal chemical reaction may occur inside the battery which could result in leakage, heat, smoke, explosion or fire.



If any liquid from a battery leaks onto your skin or clothes, immediately flush the area with clean water, without rubbing it, then seek medical attention right away.



Otherwise the liquid may harm your skin.

Keep parts of the product out of children's reach as there is a danger they could be swallowed and cause bodily harm. If any of the parts are swallowed, consult a doctor immediately.



Attention

Do not place the product in a damp or dusty location.

This could result in a fire or electric shock.



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.



If this product is not going to be used for a long time, take the batteries out of the product. Otherwise it could result in fire.



Ask the dealer from where you purchased this product for regular maintenance. A buildup of dust inside the product can cause fire or malfunction.



Do not put the product on an electromagnetic cooker or in a microwave oven or a pressure cooker. The battery will be damaged and leakage, heat, smoke, explosion or fire may occur.



Do not put the clicker, strap or other accessories into your mouth. It may harm your health.



Do not swing the strap around with the clicker attached. The strap may be cut and the clicker may hit someone causing injury or may damage an object in the vicinity.



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Before Use

Thank you very much for purchasing this product.

Please read this manual carefully to ensure proper use of this product.

For the effective use of the questions and the collected data, please have your students always use the same clicker by associating each of your students with the unique serial number printed on the back of their clickers.



All functions of SRS are controlled by Elmo's Image Mate Accent for SRS.

Image Mate Accent for SRS is designed to allow you to operate SRS functions in addition to its basic CRA-1 Pen Tablet functions.

For details about the operations and functions other than SRS, refer to the User's Guide of ELMO Wireless Slate / Tablet contained in the CD-ROM.

※Functions of Image Mate Accent can be also operated by mouse instead of the Pen Tablet.

When you use SRS with Elmo Pen Tablet CRA-1, the wireless settings between the wireless adapter of SRS and the tablet need to be set up.

For details about the set up procedure, refer to the User's Guide of ELMO Wireless Slate/ Tablet.



Caution

Do not use the wireless adapter supplied with the tablet. Use the wireless adapter supplied with SRS.

Firmware of the tablet may need to be upgraded.

For further information, contact the dealer from whom you have purchased this product or one of our sales offices whose details are provided at the end of this manual.



Caution

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

Main functions

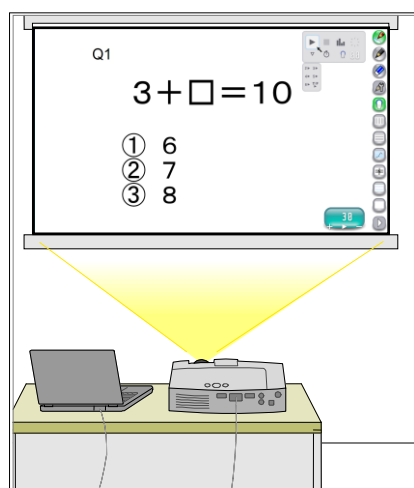
■ Pose questions, collect responses and display the results.

With SRS, you can collect responses from all students in the class by using clickers.

Collected responses can be saved and displayed in graphs.

The overall proficiency of the class can be assessed with multiple-choice questions.

Majority Testing by Yes or No question can be easily performed.



■ Utilize the collected data

The collected data is automatically stored on the users computer and can be converted to standard formats. These standard files can be shared with other computers.

■ Manage the clicker

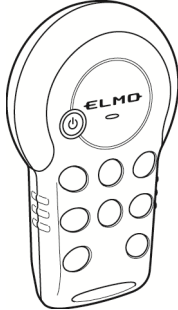
You can add/ delete a clicker or display the remaining amount of battery charge.

■ Use with the Document Camera or the Pen Tablet

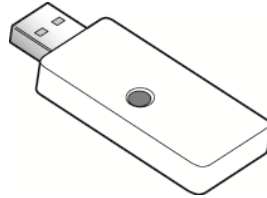
You can pose a question on the spot by using ELMO Document Camera or Pen Tablet (sold separately) .

Supplied Items

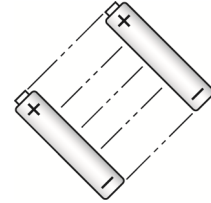
Product's package has the following contents. Contact your dealer if any of the following items are not included in the package you purchased.



Clicker: CRV-CK-1
CRV-24: 24pcs.
CRV-32: 32pcs.



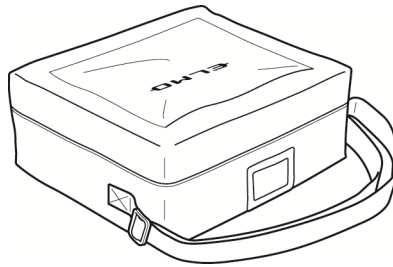
Wireless adapter
CRV-CK-1R



Dry cell AAA battery
(For the clicker)
CRV-24: 48pcs.
CRV-32: 64pcs.



Screw driver for M3
(For the back cover of the
clicker)



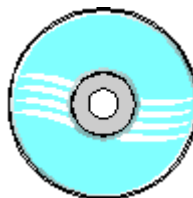
Carrying Case



Seal clicker no.



Before use

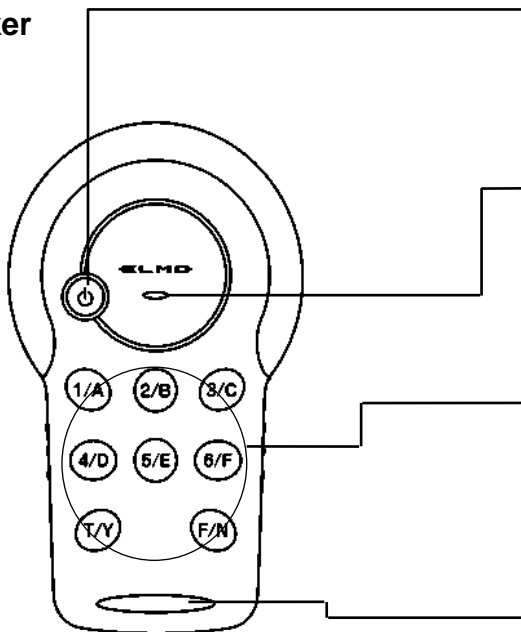


Application software
(CD-ROM)

Part Names

Clicker

Front



Power button

Turns ON / OFF the clicker.

Press this button for 3 seconds or longer to turn OFF the clicker. <Starting SRS>

Power LED

Indicates the battery charge status.

The LED lights up when the clicker is turned on and begins flashing when the battery level is low.

<About LED>

Response button (1~6,T/F)

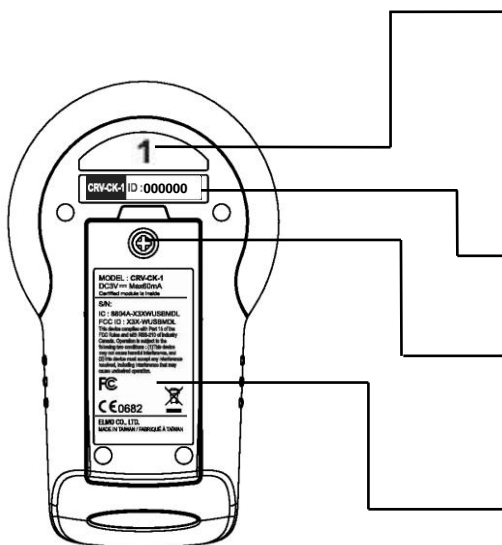
Students can respond to questions using 1(A) ~6(F) and T(Y)/F(N) buttons.

The last pressed button lights up or flashes for 5seconds. <About LED>

Strap hole

For attachment of a commercially available strap.

Back



Student number (Clicker number)

By default, a seal with a number from 1-24 (or 32) is attached.



The supplied clicker number seal can be attached.

Device ID

ID number of the clicker.

Battery box cover fixing screw

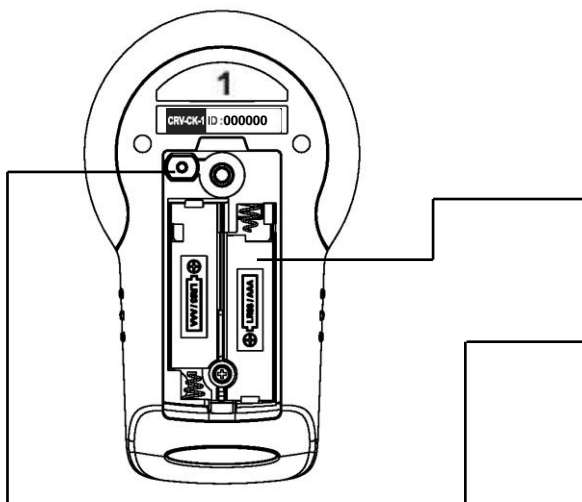
Use the supplied screw driver to tighten the fixing screw.

Battery box cover

Use the fixing screw to open/close the cover.



Be careful not to lose it.
Only open when absolutely necessary.



Battery box

Insert the AAA dry-cell batteries. <Insert the batteries into the clicker>

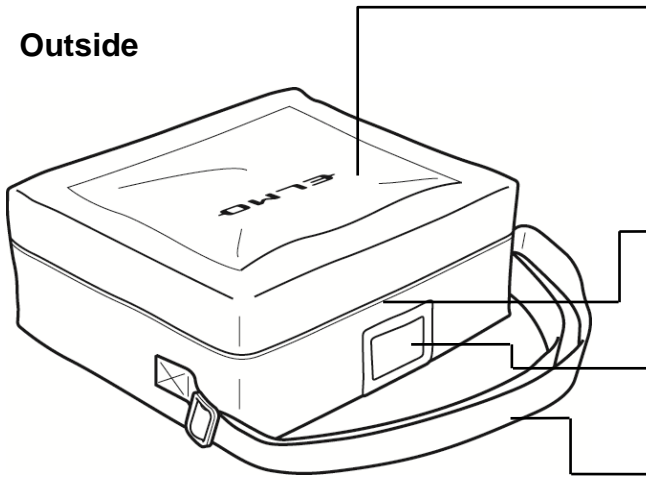
Wireless setting button

Use this button when configuring the wireless connection setting with the wireless adapter. Open the battery box cover when performing the configuration.

<Wireless setting for the clicker>

■ Carrying Case

Outside



Cable Storage Pocket

Storage for the RGB/USB composite cable supplied with the separately sold Pen Tablet or commercially available RGB cables or USB cables.

Double zipper

The top of the bag opens 180 degrees.

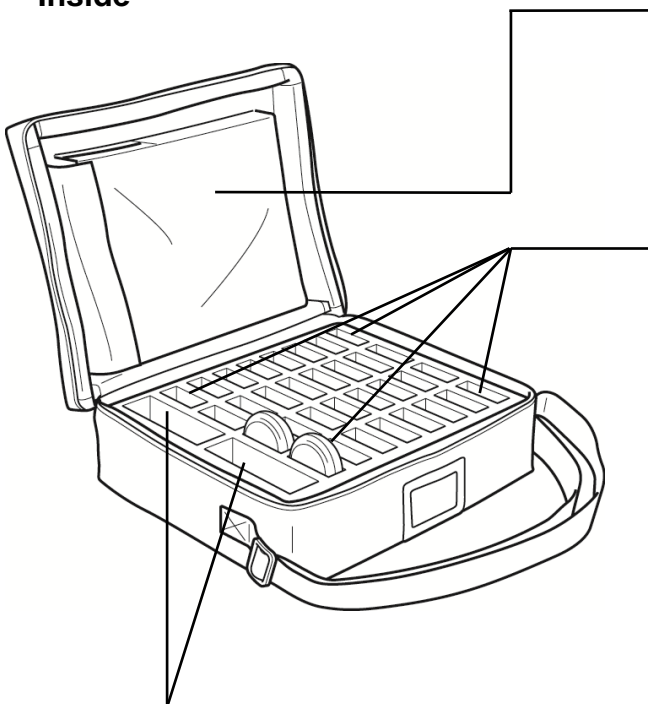
Name holder

Name card and the like can be inserted.

Shoulder belt

The length can be adjusted.

Inside



Pen Tablet storage

Stores the Pen Tablet. It can be secured with Velcro tape.

Clicker compartments

Stores clickers vertically as shown in the picture.

Max.32pcs of clickers can be stored.

Upper part of the clicker is slightly out of the compartment for easier handling.



Caution

Store 1 clicker in each compartment.

Accessory storage

Stores accessories such as the wireless adapter and a screw driver.



Caution

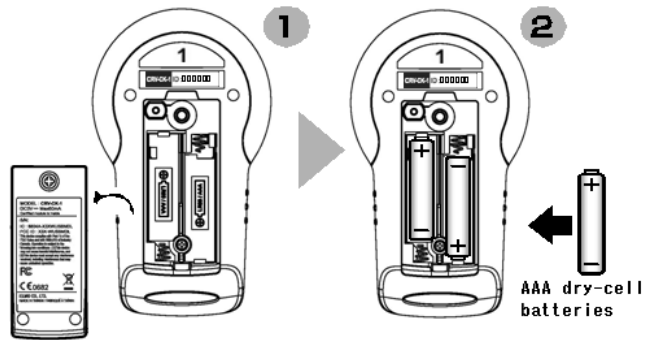
Be careful not to lose the accessories when you open the zipper.

Preparation

Insert the batteries into the clicker

Before you use the clicker, remove the battery box cover on the back of the clicker together with the fixing tape to insert the batteries. In case it is difficult to remove the cover, use the supplied screw driver to loosen the battery box cover fixing screw. Make sure to attach the cover after inserting the batteries and tighten the fixing screw.

Dispose of the tape after removal.



Caution

- Make sure that the polarity (+/-) of the dry cell battery is correct.
- Remove the dry cell battery if the clicker will not be used for a long time.
- Do not recharge or short-circuit the dry cell battery.
- 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.
- Replace the lid and tighten screw of the battery box after inserting the batteries.
- Do not mix old and new batteries or ones of different types.
- When disposing of used batteries, follow the instructions from your local government.

<Time for replacement of the batteries>

When the battery charge gets low, operational performance may be degraded. Replace the batteries when the power LED begins to flash during power ON or before sending a response.



Caution

- Be careful when replacing the battery as they because it may pop out.
- Replace the batteries at least once a year.

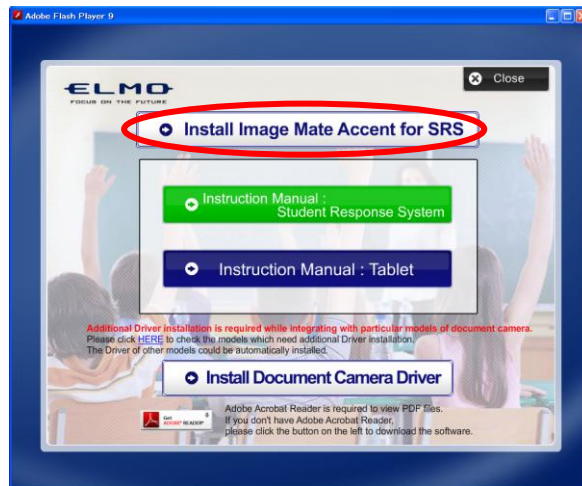
Software installation

All functions of SRS are controlled by Image Mate Accent for SRS.

Install the software before initial use of the SRS.

For details about the installation procedure, refer to “Before use and the following instructions:”

- ① Insert the supplied CD-ROM to the CD-ROM Drive of your computer.
- ② Select “Install Image Mate Accent for SRS” in the menu.



Caution

Depending on your computer, the menu may not appear automatically.

In that case, open the drive where the supplied CD-ROM is inserted from My Computer and double-click “startup.exe” in the Win folder.

- ③ Follow the displayed instructions to install.
- ④ When the software is successfully installed, “Image Mate Accent for SRS” icon appear on the desktop.



Caution

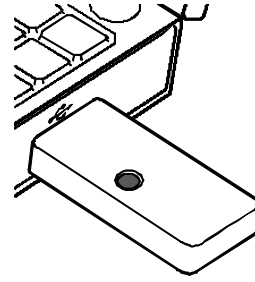
Depending on your computer, you may need to restart your computer. In that case, press “Yes” to restart your computer.



If Image Mate Accent is already installed on your computer, it will be overwritten by Image Mate Accent for SRS. (Current settings and saved data will remain unchanged.)

Connecting the wireless adapter

Connect the supplied wireless adapter to your computer's USB port.



Launching Image Mate Accent for SRS

Launch Image Mate Accent for SRS by double-clicking the shortcut icon created on the desktop of your computer.



Image Mate Accent for SRS starts in “Document Camera Mode” when connected to select models of ELMO Document Cameras (sold Separately). Otherwise, it starts in “PC Operation Mode”.

Using SRS

Operation screen of SRS

Operations such as question and answer and displaying the results are performed from the SRS Window.

The screenshot displays the SRS interface with the following elements:

- Q1**: Question identifier.
- 3 + □ = 10**: The math problem to be solved.
- ① 6**, **② 7**, **③ 8**: Multiple-choice options.
- 30**: Countdown timer.
- SRS Window (Command Buttons)**: A floating panel with icons for navigation and control.
- SRS Sub Buttons**: A vertical column of icons for various functions.
- Response Sub Buttons**: A vertical column of icons for response management.
- Countdown Timer**: A button showing the time remaining.

Note

You can operate the Document Camera or your computer while the SRS Window is active and on display.









The color of the SRS Window changes to gray (initial status), green (Testing is open) and red (Testing is closed) according to the status of SRS.

List of SRS operations


List of SRS Commands

Following command buttons in the SRS Window are used to pose questions or display the results.


■ Command Buttons

Menu button	Name	Function
	Start Testing	Opens Testing. Current question type is displayed.
	Stop Testing	Closes Testing and save the results as a file.
	Display Graph	Displays the response results in graph.
	Clear Display	Deletes the graph and return to the initial status.
	Display Response Sub Buttons	Displays the Response Sub Buttons. <Response Sub Buttons>
	Show Timer	Displays the Countdown Timer. <Countdown Timer>
	Display number of clickers	Displays the current number of responses received. ※Only displays the status. No operation.
	Display SRS Sub Buttons	Displays the SRS Sub Buttons. <SRS Sub Buttons>



■ Response Sub Buttons

Menu button	Name	Function
	Change question type/ open Testing	Changes the current setting for the question type (2-6 multiple, True (Yes)/ False (No)) and opens Testing. The changed setting for the question type remains until SRS is finished.

■ Countdown Timer





Menu button	Name	Function
	Countdown Timer	Performs a countdown from the set time (sec.). The set time can be changed in increments of 10 sec. with [+] and [-]. Countdown starts after pressing [▶] button. Countdown stops after pressing [□□] button. Testing will be automatically closed when countdown reaches 0.

■ SRS Sub Buttons

Menu button	Name	Function
	Group settings	Display the Group settings. You can show the results by groups by grouping clickers in advance. <Group learning>
	Award	Display the Award screen. You can give awards for student performance. <Giving an award>

List of clicker operations

These buttons are used to respond to the questions or cast a vote.

Button	Name	Description
	Power button	Turns ON/OFF the clicker. The power LED lights up when the clicker is turned on. Press the button for 3 seconds or more to turn off the clicker.
	Power LED	The LED lights up when the clicker is turned on. When battery level is low, LED flashes for 5 seconds after the clicker is turned on and during the wireless connection.
	1/A ~ 6/F Response button	Select answers. Selected button flashes for max.5 seconds when sending a response and lights up for 5 seconds if the response is successfully accepted. (It flashes for another 5 seconds if the response is not accepted.)
	Yes or No Response button	



For details about the status of LED, refer to <About LED> .

Starting SRS

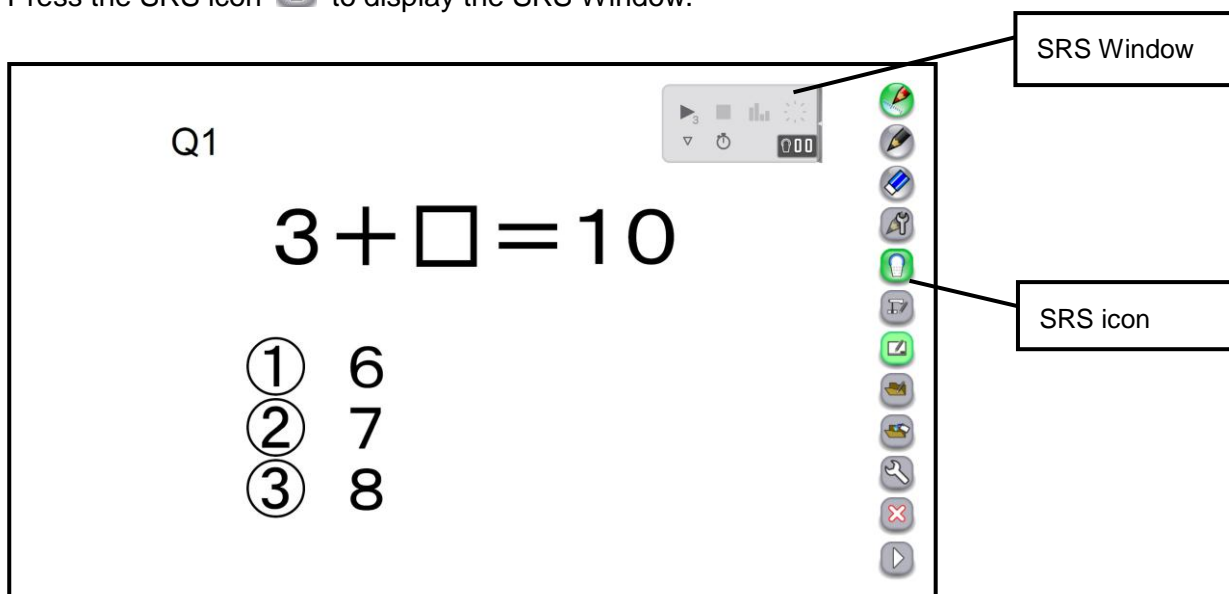
SRS can be started either directly from the respective modes in Image Mate Accent for SRS or by launching the application from Program Files.



Refer to the User's Guide of ELMO Wireless Slate / Tablet for details about modes and operations other than SRS functions.


1 Display the SRS Window.

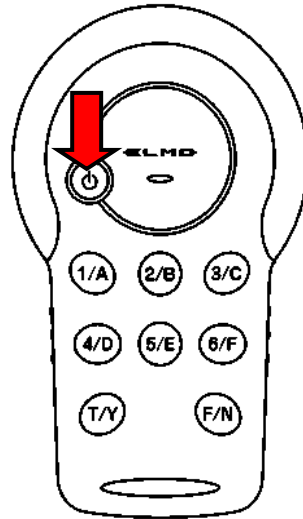
Press the SRS icon  to display the SRS Window.



If no clicker are registered to the wireless adapter, the SRS icon will not display.

② Turn on the clicker.

Press Power button  to turn on the clicker. The power LED lights up and the clicker attempts to establish the wireless connection with your computer.



Note

When the battery charge is low, the power LED flashes for 5 seconds. In that case, replace with new batteries.

The clicker automatically enters standby status when there is no wireless communication.

(Pressing any button will resume the operation.)

After a certain period of time has elapsed in standby status, the power automatically goes off.

The time to power off can be changed with <エラー! 参照元が見つかりません.>. Default setting is 180 seconds.

From posing a question to close the question

Pose a question using the Document camera or your computer screen. Then open Testing by selecting the Start Testing button in the SRS Window or one of “[2]~[6],[T/F]” buttons in the Response Sub Buttons.





The entire process from starting Image Mate Accent for SRS to finishing it is called “session” and the results of each session are saved.

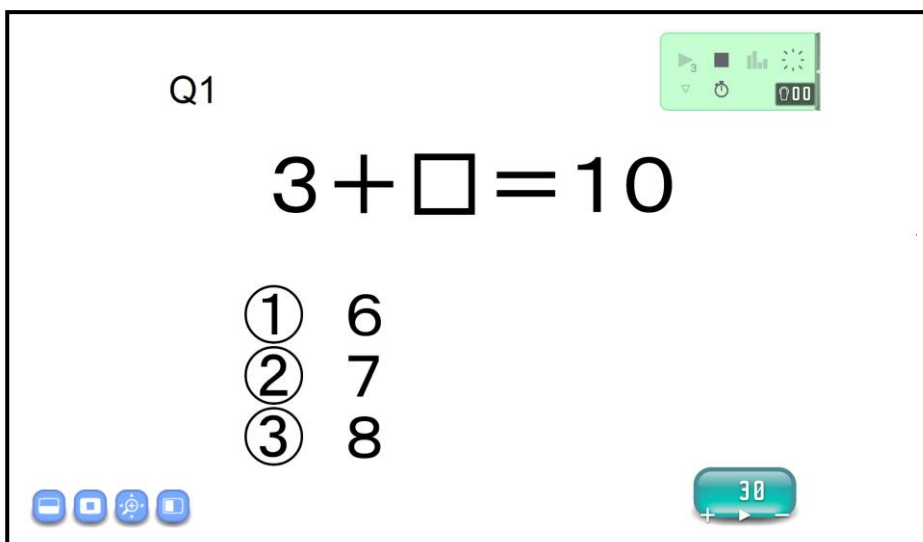
① Pose a question.

Pose a question using the Document camera or your computer screen.

② Open Testing to receive responses from clickers.

When “Start Testing” button  is selected, Testing starts with current question type. (Default setting: 3-choice question).

The question type can be changed with the Response Sub Buttons which are displayed by pressing  button. The color of the SRS Window changes to green.




The question type remains the same until SRS is finished.

The setting becomes the default of the question when starting SRS can be changed from <エラー! 参照元が見つかりません。>.

3 Respond to the question by using the Response buttons on the clicker.

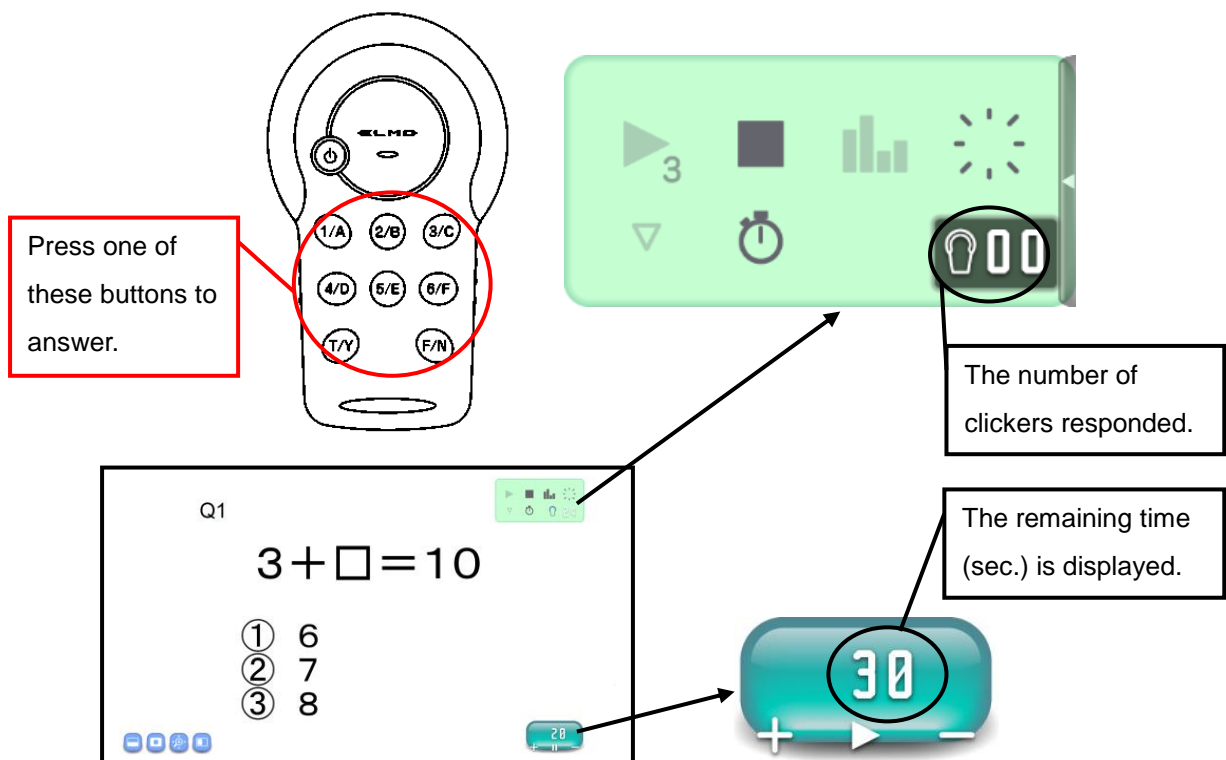
Respond to the question by pressing the Response buttons on the clicker. Selected button flashes for max.5 seconds when sending a response and lights up for 5 seconds if the response is successfully accepted. (It flashes for another 5 seconds if the response is not accepted.)

 **Caution** If flashing Response button LED goes off in less than 10 seconds, the response is not accepted. Retry by pressing the Response button again after the LED is off.

Note

As long as the Testing is open, students can resubmit their responses by pressing the Response button again after the LED is off.

When the battery charge is low, the power LED flashes for 5 seconds. In that case, replace the batteries with new ones.




The diagram shows a clicker device with a keypad of buttons labeled 1/A, 2/B, 3/C, 4/D, 5/E, 6/F, T/Y, and F/N. A red box highlights these buttons with the text "Press one of these buttons to answer." To the right, a green interface panel displays a play button, a square, a bar chart, a clock, and a lightbulb icon with "00". A callout box points to the lightbulb icon: "The number of clickers responded." Below this, a teal timer displays "30" with a callout box: "The remaining time (sec.) is displayed." On the left, a question screen shows "Q1" and the equation $3 + \square = 10$ with three multiple-choice options: ① 6, ② 7, and ③ 8. A small green icon in the top right of the question screen points to the green interface panel, and a small teal icon in the bottom right points to the timer.

Check the number of clickers that answered the question. By using the Countdown Timer, you can show the remaining time.

Note

While Countdown Timer is on display, timing automatically starts when Testing is started. Timer may be started after Testing begins.


4 Close Testing.


Close Testing with the Stop Testing button .
The color of the SRS Window changes to red.

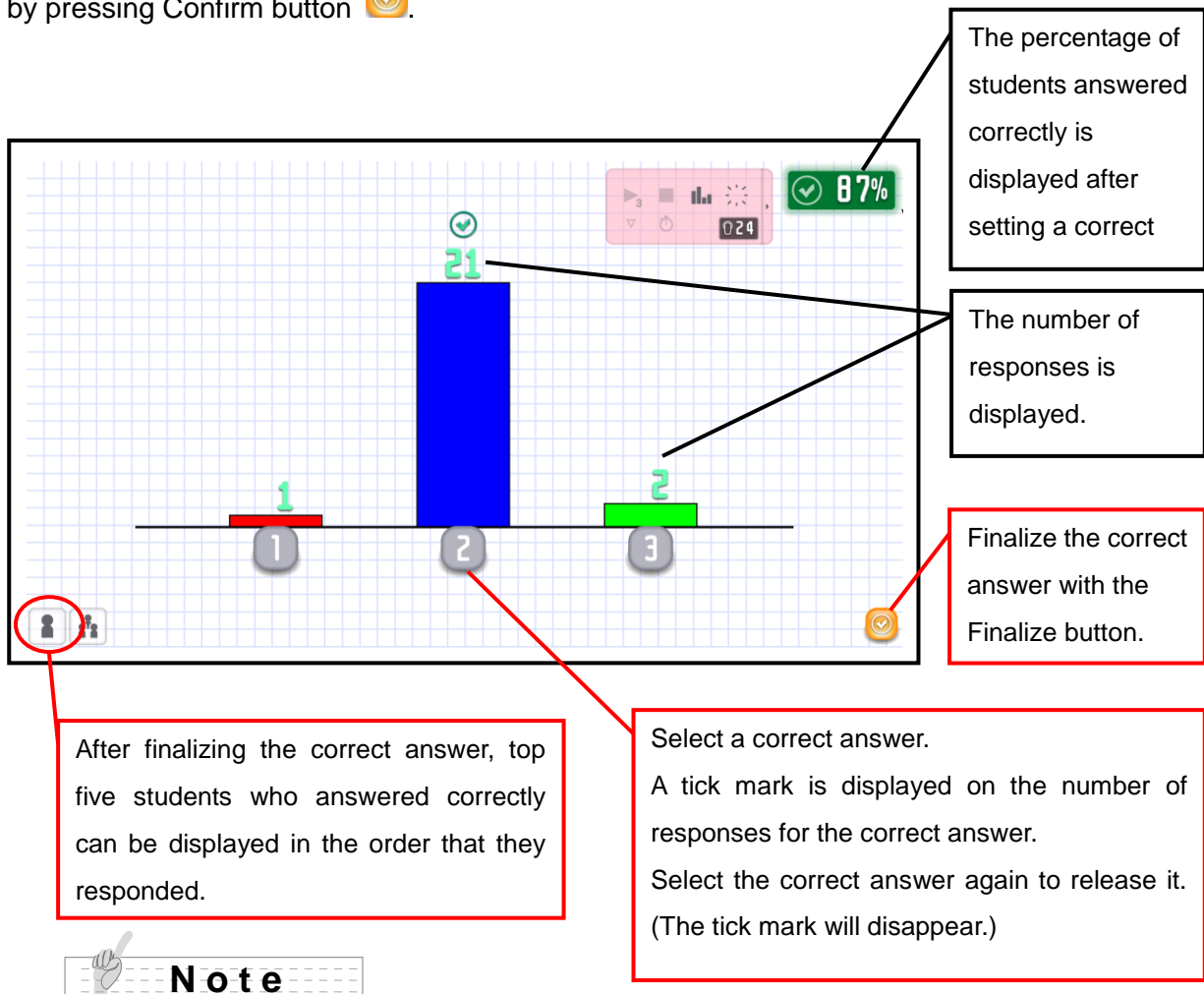


You can annotate on the screen using annotation functions after Testing is closed.

5 Display the results.

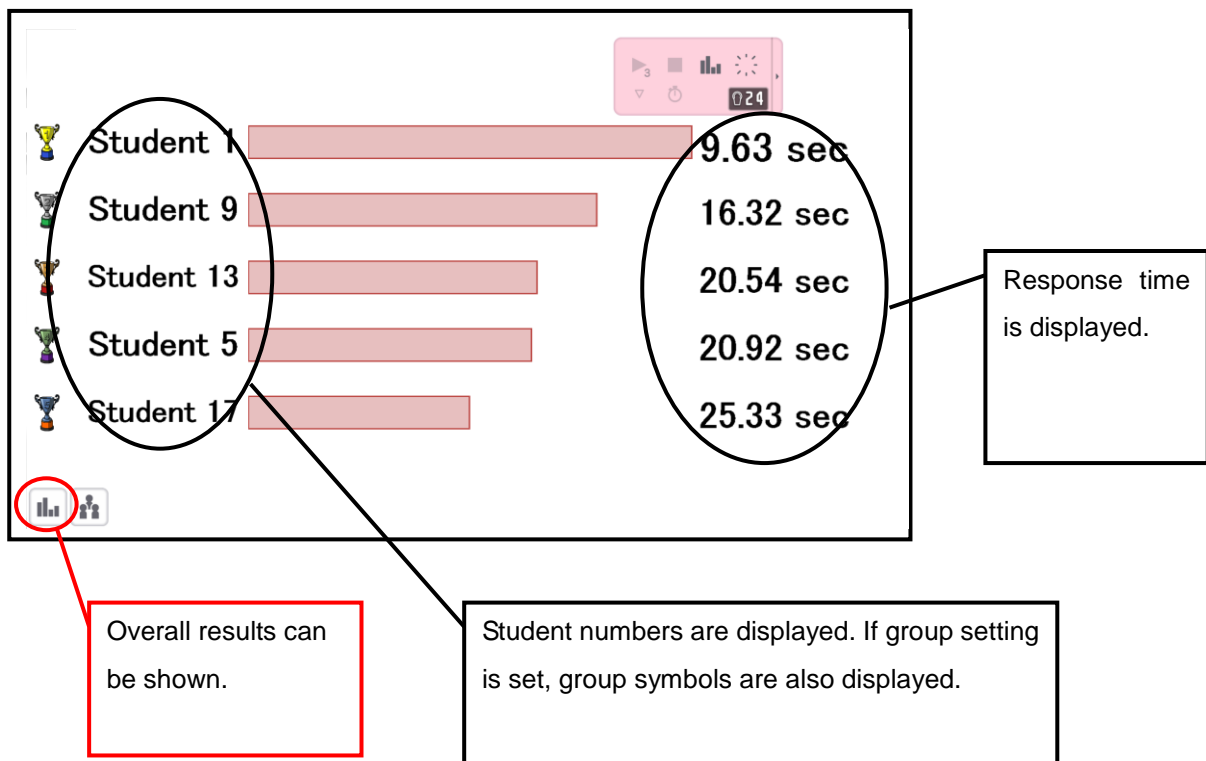
The overall results can be displayed in graph with the Display Graph button . All choices and the number of responses are displayed.

Show a correct answer by selecting the relevant choice number. Confirm the correct answer by pressing Confirm button .



Each time the Display Graph button is pressed, the screen switches between the question screen and the graph screen. When the group setting is set, the results by group can be displayed.


<Group learning>



 **Note**

Response time varies depending on the wireless condition between the clicker and the wireless adapter. Use the response time as reference only.

6 Finish the question.


The graph can be deleted by pressing the Clear Display button  and you can pose next question. The color of the SRS Window returns to gray.

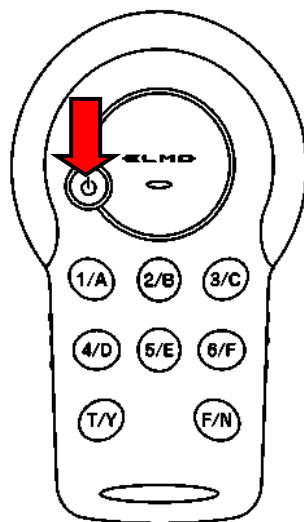
 **Note**

The results and the screen (including the drawing) are automatically saved.
After Testing is started, operations of document camera function of Image Mate Accent or your computer or drawing on the image are not possible until the question is finished.

Finishing SRS

1 Turn off the clicker.

When Power button  of the clicker is pressed for 3 seconds or longer, the clicker is powered off and the power LED goes off.




Note

The clicker automatically enters standby status when there is no wireless communication.
(Pressing any button will resume the operation.)

After a certain period of time has elapsed in standby status, the power automatically goes off.

The time to power off can be changed with <エラー! 参照元が見つかりません.>. Default setting is 180 seconds.

2 Clear the SRS Window.

Clear the SRS Window by selecting the SRS icon  .

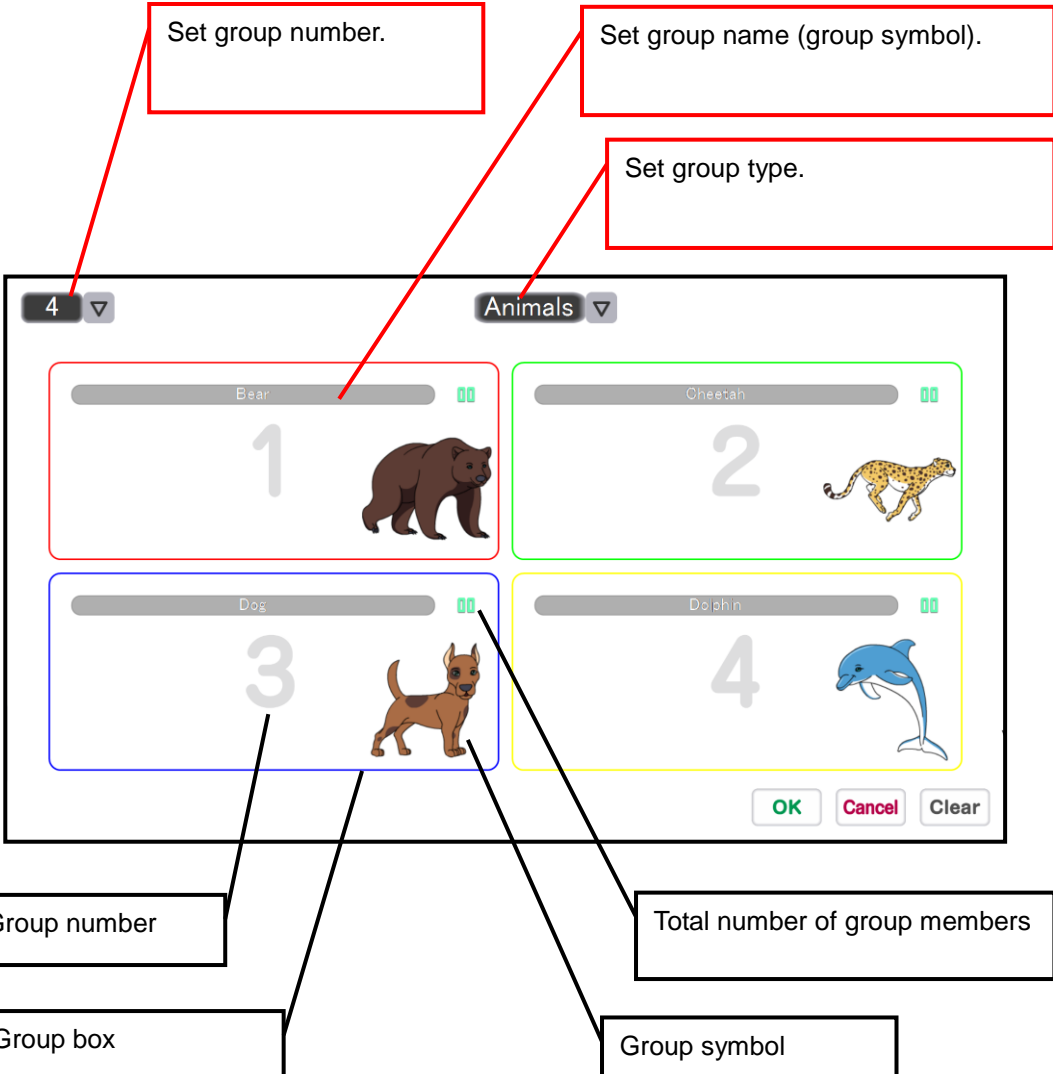
Group learning

You can show the results by groups by grouping clickers during a session.

1 Configure group settings.

Select the Group setting button  to display the Group setting window.

Configure group number and group type. You can also change respective group name (group symbol).



The screenshot shows a 'Group setting' window titled 'Animals'. At the top left, there is a dropdown menu showing the number '4'. At the top right, there is a dropdown menu showing 'Animals'. The window contains four group settings, each with a number, a name, and an animal icon:

- Group 1: Bear (brown bear icon)
- Group 2: Cheetah (cheetah icon)
- Group 3: Dog (dog icon)
- Group 4: Dolphin (dolphin icon)

Annotations with red boxes point to the following elements:



- 'Set group number.' points to the '4' dropdown.
- 'Set group name (group symbol).' points to the 'Animals' dropdown.
- 'Set group type.' points to the 'Animals' dropdown.

Annotations with black boxes point to the following elements:

- 'Group number' points to the number '3' in the Dog group.
- 'Group box' points to the entire Dog group box.
- 'Total number of group members' points to the '00' indicator in the Dog group.
- 'Group symbol' points to the dog icon in the Dog group.

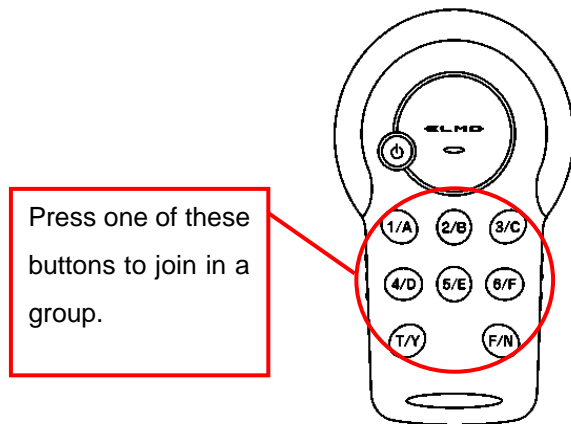
At the bottom right of the window, there are three buttons: 'OK', 'Cancel', and 'Clear'.

 **Note**

During Testing (from pressing "Start Testing" button  to pressing "Clear Display" button ), it is not possible to configure group settings.

2 Join in a group.

Join in a group by pressing one of the Response buttons on the clicker.



Press a button with the same number as the group you intend to join in. Your student number is displayed inside group box. Now you joined in the group.

4 ▾ Animals ▾

Bear 06
21 17 13 9 5 1

Cheetah 06
22 18 14 10 6 2

Dog 06
23 19 15 11 7 3

Dolphin 06
24 20 16 12 8 4

OK Cancel Clear

Student number joined

Finalize the settings.

Close the window without finalizing the settings.

Cancel all entries and return to default settings.

3 Finalize the group settings.

Finalize the group settings with OK button and the Setting window is closed.

4 Ask a question and display the results.

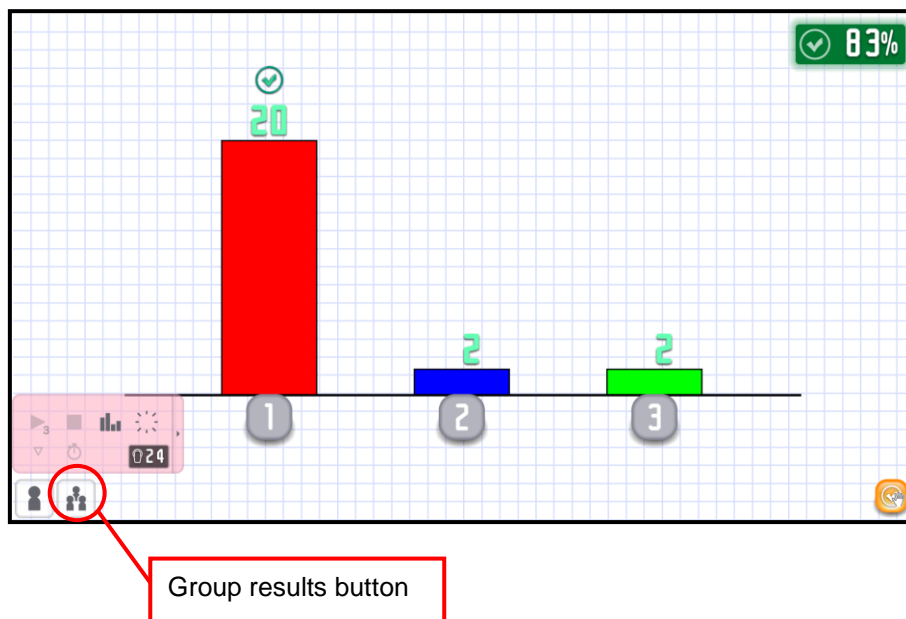
The whole process from asking a question, starting Testing, closing Testing to displaying the results is same as basic procedure.

Refer to ①~⑤in ■From posing a question to close the question .

5 Display the group results.

Select the Group icon displayed in the Overall results display screen.

The screen switches to the Group results display screen.



Note

To display the group results, the group settings need to be set and a correct answer needs to be set in the Group results display window in advance.

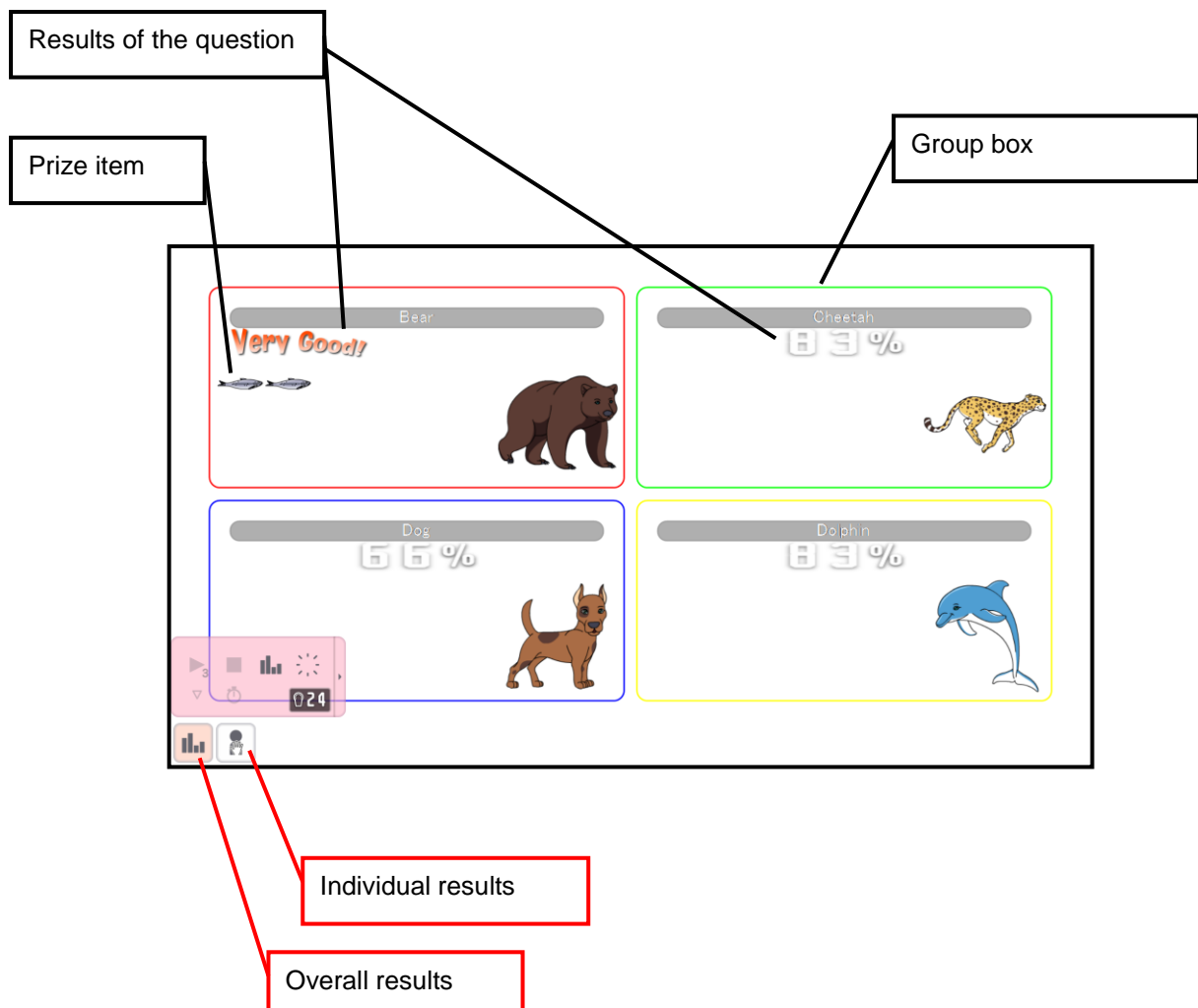
The results of each group member are displayed inside respective Group box.

If all group members answered correctly, a message “Very Good!” appears.

Otherwise, the percentage of members answered correctly (%) is displayed.

Each time when all group members answered correctly, a prize item is awarded to such group.

You can compare the number of items among groups during the session.



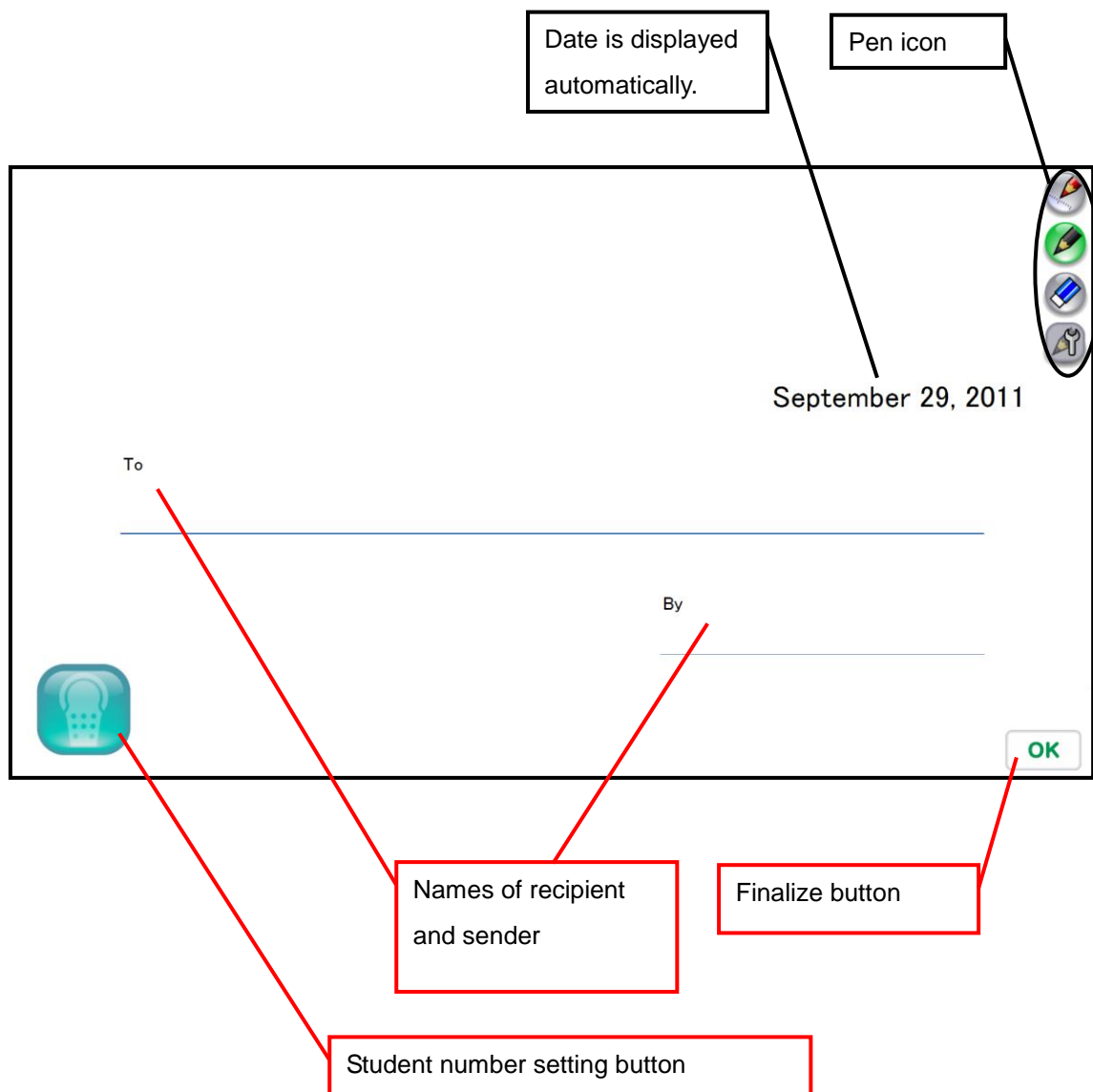
Giving an award

In each session, you can select one student to give an award. The Award screen can be saved.

1 Enter names of recipient and sender.

Select the Award button  to display the Award screen.

Enter names of recipient and sender by using the drawing function.

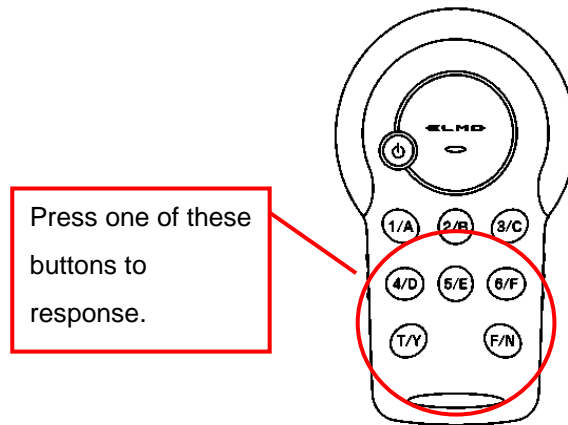


2 Press the Student number setting button.

After the Student number setting button is pressed, the system is ready to receive a signal from the clicker.

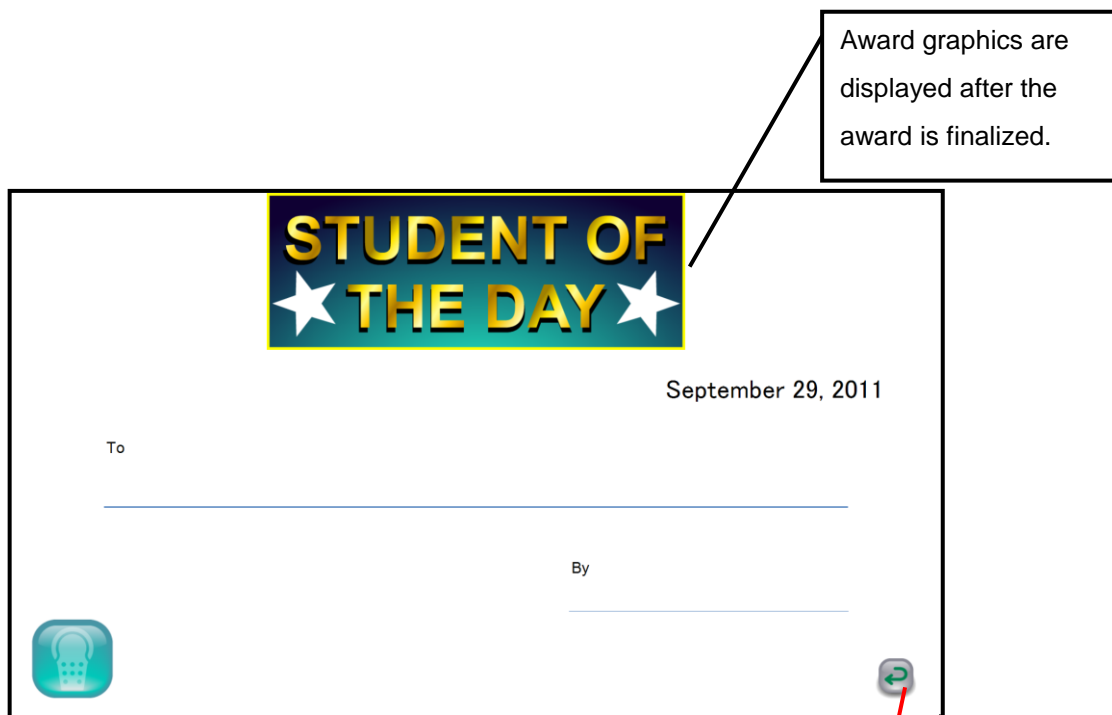
3 Receive a signal from the recipient.

The recipient sends a signal to the system by pressing any of the Response buttons on the clicker. Then the student number of the recipient is displayed.



4 Finalize the award.

Finalize the award by pressing the “Finalize” button. Then award graphics are displayed and the screen is saved. Press the “Exit” button to close the Award screen.



Note

If an incorrect student number is displayed in the Student number setting button, press this button again to reset it.

The saved screen data is stored as JPEG in the specified “destination folder”. <Contents location>

Utilizing the collected data

With ELMO SRS Reporting, the collected data that is saved on your computer can be displayed or converted into a format readable on other computers.

Using Result Display Software

Starting the software

Launch ELMO SRS Reporting from [Start]-[Program Files]-[ELMO]-[Image Mate Accent for SRS]-[ELMO SRS Reporting].

Selecting / displaying the results

The entire process from starting Image Mate Accent for SRS to finishing is called a “session”. A list of questions in a session and details of the results of each question can be viewed.

1 Display a list of sessions.

A list of saved sessions is displayed after the software is launched. The list includes recent sessions and others created during the same month. Users may specify a period time using the calendar buttons to set the display range manually.

Items to be displayed in the list of sessions :

(Date · Time / Question thumbnail (1st Question) / Number of questions)

The screenshot shows the 'ELMO SRS Reporting' window. At the top, there is a 'Menu' section with a 'Period to display' field containing '2011/10/01' and '2011/10/04'. Below this are navigation buttons and a '1 / 1' indicator. The main area is a table with columns: 'No', 'Date Time', 'Question', and 'Quiz'. The first row is highlighted in blue and contains the number '2', the date and time '2011-10-04 15:25', a question thumbnail '3+□=10', and the number '1'. The second row contains '3', '2011-10-04 15:50', another question thumbnail, and '2'. At the bottom, there are buttons for 'Delete', 'Thumbnails' (checked), 'Return', and 'Select'. Callouts point to these elements with the following text:

- Scroll Page button (15items are displayed in each page.)
- Calendar button
- Number of questions
- Select button
- Question thumbnail
Uncheck "Thumbnails" to hide this screen.
- Session start date
(Image Mate Accent for SRS start date)
- Under selection (blue)
- Delete button

No	Date Time	Question	Quiz
2	2011-10-04 15:25	3+□=10 ① 6 ② 7 ③ 8	1
3	2011-10-04 15:50	3+□=10 ① 5	2

2 Display a list of questions.

Select a session in the session list that you wish to view. The selected session turns blue. Press the Select button to display a list of questions in the session.

Items to be displayed in the list of questions :

(Date · Time/Question thumbnail/Number of participants/Percentage of students answered correctly/Number of choices/Number of responses per choice)

The screenshot shows the 'ELMO SRS Reporting' interface. At the top, there is a 'Menu' bar and a 'Period to display' section with date pickers for '2011/10/01' and '2011/10/04'. Below this is a table with the following columns: No, Date Time, Question, Participant, Answer, Choice, and a grid of columns numbered 1 through 6, followed by T and F. The first row of data is highlighted in blue. Callouts point to various elements: 'Percentage of students answered correctly.' points to the '62%' value; 'Number of participants' points to the '24' value; 'Number of choices' points to the '3' value; 'Number of responses per choice' points to the '15' value in the grid; 'Question thumbnail' points to the question icon; 'Question start date (Testing start date)' points to the '2011-10-04 15:33' value; and 'Cells of correct answers are colored and checked.' points to the '15' cell which has a green checkmark.

No	Date Time	Question	Participant	Answer	Choice	1	2	3	4	5	6	T	F
3	2011-10-04 15:33	3+□=10	24	62%	3	6	15	3	0	0	0	0	0

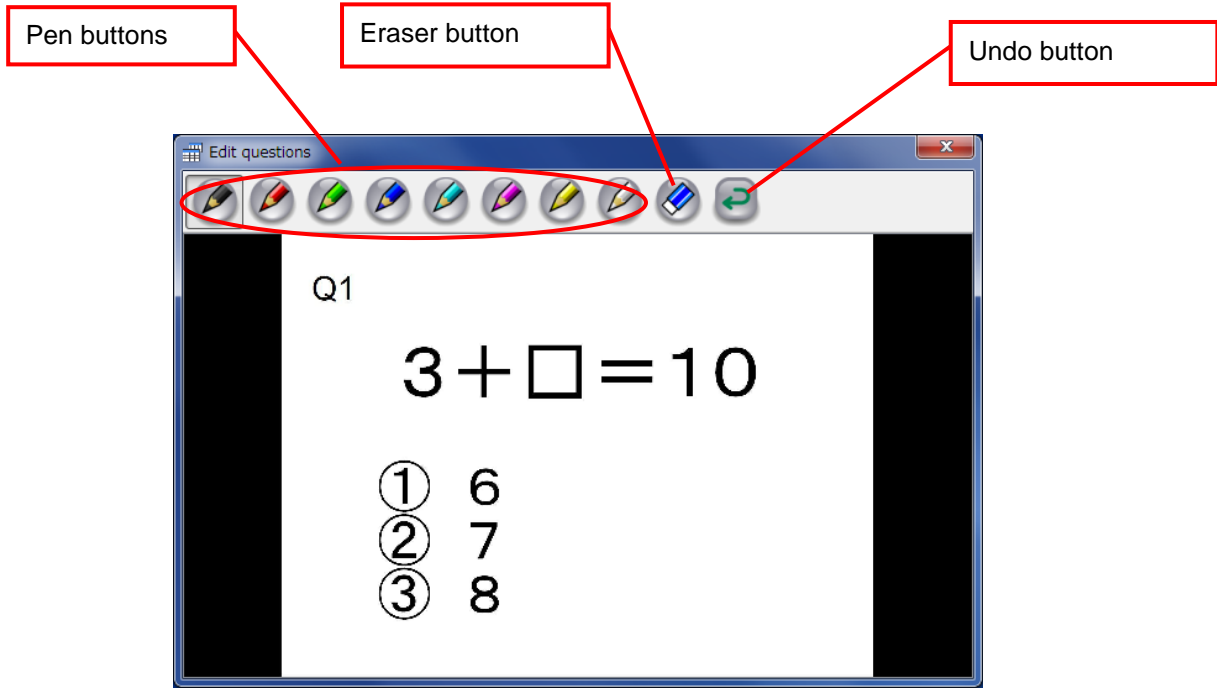
Note

The results of multiple sessions (or questions) cannot be viewed together.
Multiple sessions (or questions) can be deleted together.

3 Draw over the question screen.

You can draw over the question screen by double-clicking a question thumbnail.

8 different pens(Black,Red,Green,Blue,Cyan,Magenta,Yellow,White) are available.



Note

The software asks whether to save the annotations once the close button is pressed. If you select "save", the question with added annotations overwrites the existing data.

4 Display a report for the question.

Select a question in the question list that you wish to view. The selected question turns to blue.

Press the Select button to display a report for the question.

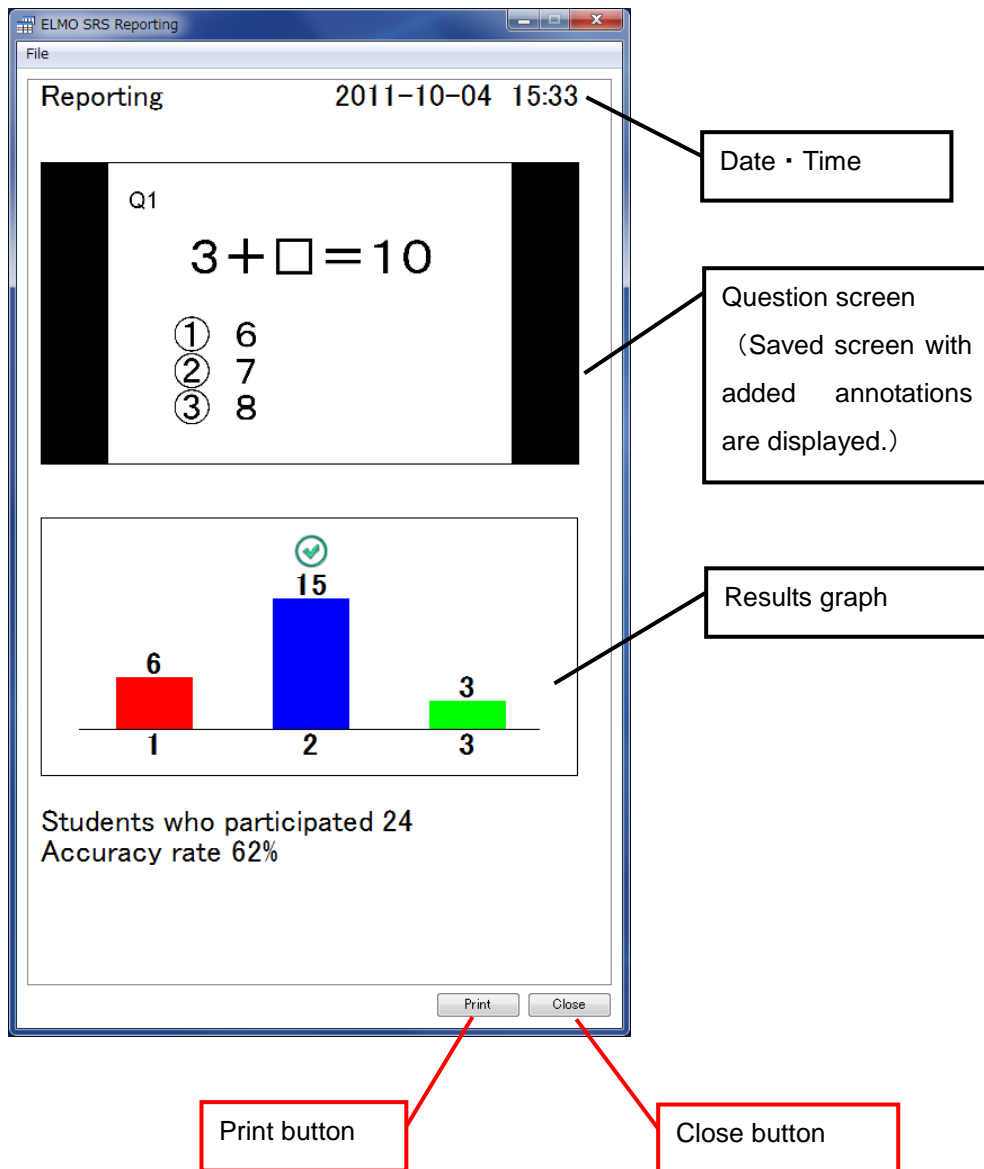
5 Print a report.

Contents of a report can be printed.

Select [PRINT] button while a report is displayed.



The printer needs to be installed on your computer.



The screenshot shows the 'ELMO SRS Reporting' window. The title bar includes 'File' and the date/time '2011-10-04 15:33'. The main content area is titled 'Reporting' and displays a question 'Q1' with the equation $3 + \square = 10$. Below the equation are three multiple-choice options: ① 6, ② 7, and ③ 8. A bar graph below the options shows the results for each option: 6 (red bar), 15 (blue bar with a green checkmark), and 3 (green bar). The x-axis of the graph is labeled 1, 2, and 3. Below the graph, it states 'Students who participated 24' and 'Accuracy rate 62%'. At the bottom of the window are 'Print' and 'Close' buttons. Callouts with boxes and lines point to the date/time, the question screen, the results graph, the Print button, and the Close button.

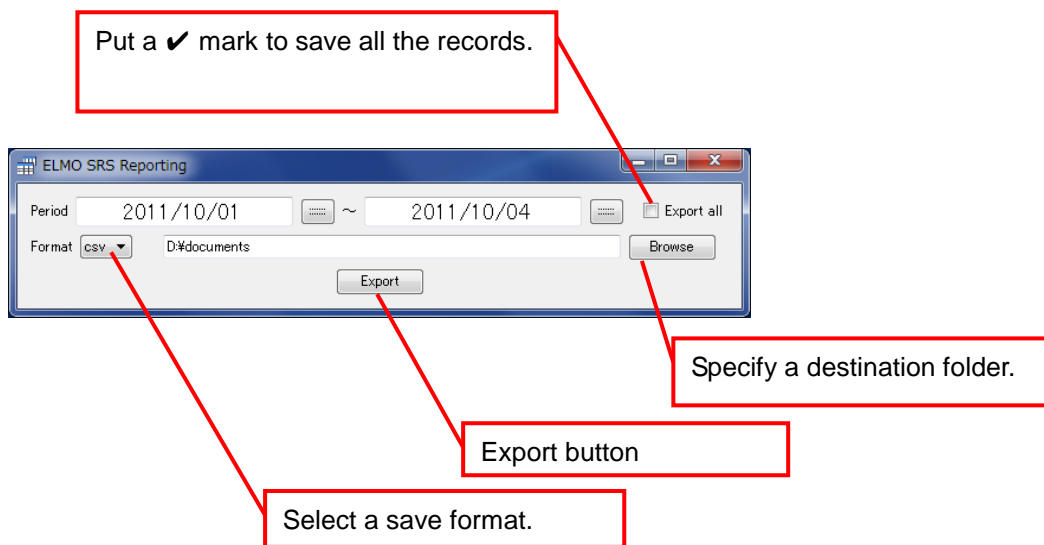
Option	Count
① 6	6
② 7	15
③ 8	3

Saving in other formats

The collected results can be saved by session in csv/ xml and xls formats.

Select [Export] from [Menu] while a list of sessions (or questions) are displayed.

Select [Export] after specifying a date, save format and a destination folder from the dialogue displayed.



 **Note**

A folder in which image files for the question screen are saved is created in the same folder as the export file when the results are exported in XML format.

Various Settings

In this section, you will learn how to configure SRS.

Wireless setting for the clicker

If the wireless connection cannot be established after pressing Response buttons (the "Response button LED" continues to flash) perform the wireless setting using the "Wireless setting button" inside the battery box and on the wireless adapter.

Turn on the power of the clicker, and press the "Wireless setting button" inside the battery box.



[2/B] button flashes at high speed.



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

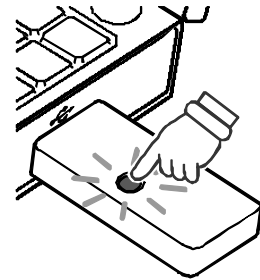


[1/A] button and [3/C] button on the clicker flashes a few times.

Now wireless connection between the clicker and the wireless adapter is established.



Back of the clicker



Wireless adapter

Note

The wireless setting between the clicker and the wireless adapter was established prior to shipping. When adding a clicker, the wireless setting for the added clicker needs to be performed before use.



Perform the wireless setting within 30 seconds of pressing the "Wireless setting button" inside the battery box.

Hold the body of the wireless adapter when pressing the "Wireless setting button" on the wireless adapter.

If a clicker is used as described below, wireless connection with the wireless adapter may become unstable:

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

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

Using ELMO SRS Configurations

With ELMO SRS Configurations, Image Mate Accent for SRS and the clicker can be configured.

Starting the software

Launch ELMO SRS Configurations from [Start]-[Program Files]-[ELMO]-[Image Mate Accent for SRS]-[ELMO SRS Configurations].



The configuration needs to be done by using a mouse. The configuration cannot be done through the Pen Tablet.

Description of menu tabs

Items to be configured or checked in each sheet are as follows:

[Setting] : Language / Save destination / Clicker auto power off time / Question type

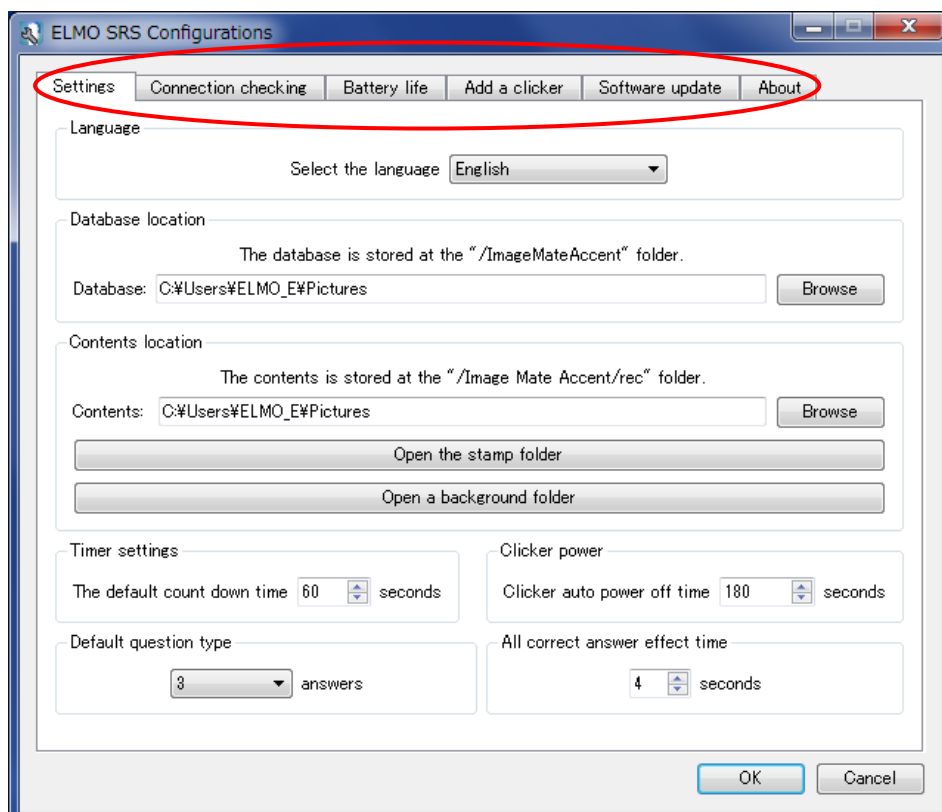
[Connection Checking] : Wireless connection of the clicker

[Battery Life] : Remaining amount of the batteries of the clicker

[Add a clicker] : Registration of the Device ID and user name to the respective student number

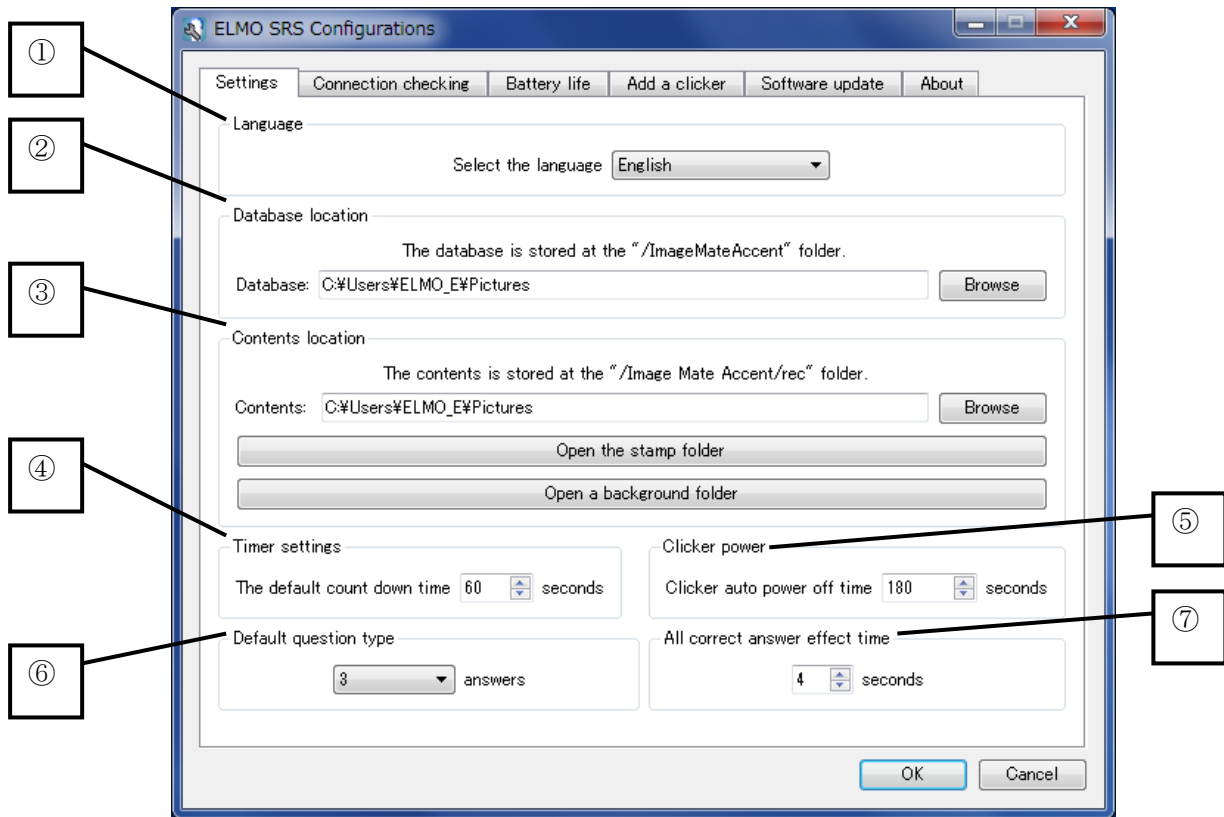
[Software update] : Automatic update

[About] : Version of the software



Application settings (Setting)

Image Mate Accent for SRS can be configured from “Setting”.



① Language

Language can be selected between Japanese and English from the pull-down menu.

② DataBase location

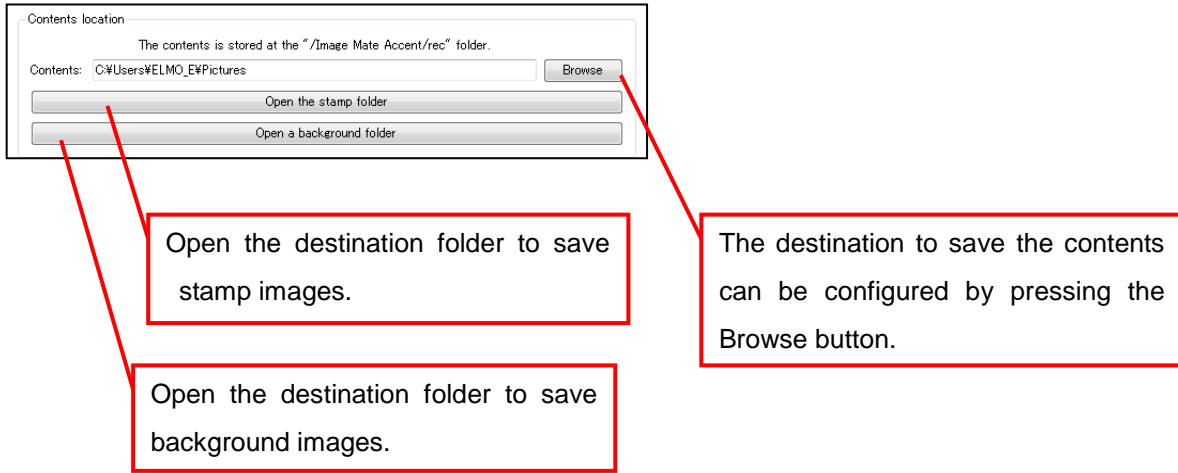
The destination to save the database used by Image Mate Accent for SRS and the records of SRS can be set.



Once you change the destination, you will not be able to show the records which were saved before the change by SRS Reporting.

③ Contents location

The destination to save the contents created by Image Mate Accent for SRS and the folder to add stamps and background images can be set.




The screenshot shows a dialog box titled "Contents location". At the top, it states "The contents is stored at the "/Image Mate Accent/rec" folder." Below this, there is a text field containing "C:\Users\ELMO_E\Pictures" and a "Browse" button. Underneath are two buttons: "Open the stamp folder" and "Open a background folder". Three red callout boxes point to these elements: one points to the "Open the stamp folder" button with the text "Open the destination folder to save stamp images.", another points to the "Open a background folder" button with the text "Open the destination folder to save background images.", and a third points to the "Browse" button with the text "The destination to save the contents can be configured by pressing the Browse button."

Note

The contents are saved in "rec" folder in "ImageMateAccent" created inside the specified "destination folder".

Added stamps are saved in "MyStamp" folder in "ImageMateAccent" created inside the specified "destination folder".

Added background images are saved in "MyBackground" folder in "ImageMateAccent" created inside the specified "destination folder".

 Caution	<p>Image files can be added as stamps or backgrounds in jpg, bmp or png formats. (Note that it may not be able to display some files in these formats.) The existing data inside the folder is not automatically transferred to a new destination folder when the destination folder is changed.</p>
--	--

④ Timer Setting

The initial setting of the timer can be set in increments of 10 sec. between 10 sec. and 60 sec. and in increments of 60 sec. between 60 sec. and 300 sec. using up/down buttons.

Note

Default setting of the timer is 60 sec.

⑤ Clicker Power

The time for auto power off of the clicker can be set in increments of 10 sec. between 10 sec. and 2,550 sec. using up/down buttons.



Default setting is 180 seconds.

Setting the time for auto power off longer may affect the lifetime of the batteries.

⑥ Default quiz type

The question type when SRS is started can be set. (Default setting: 3-choice question)
Select a question type (2-6 multiple, True (Yes)/ False (No)) from the pull-down menu.

⑦ All correct answer effect time

The all correct answer effect time can be set in increments of 1 sec. between 1 sec. and 10 sec.



Default setting is 4 sec.

Wireless connection check (Connection Checking)

The wireless connection with the registered clicker can be checked.

Press a button of the clicker that you want to check after connecting the wireless adapter to your computer. Device ID, the button that is pressed, the remaining amount of the batteries and the clicker version are displayed.

Device ID	Button number	Battery life	Version
000001	1	Good	0.1.11

Added (or updated) in the 1st line after the button on the clicker is pressed.

DeviceID

Button that is pressed

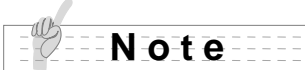
Remaining amount of the batteries:
Good : There is enough battery charge.
Low : The battery charge is low.

Replace the batteries when "LOW" is displayed.

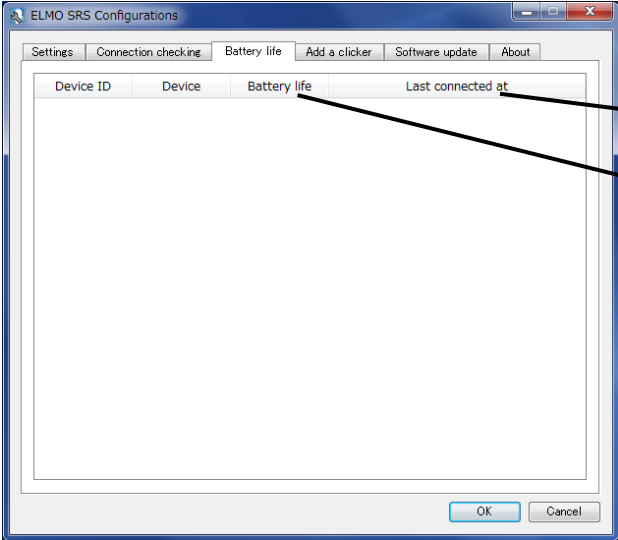
Clicker version

Remaining amount of the batteries (Battery Life)

The last used time and the remaining amount of the battery life for all the registered clickers can be displayed.




Perform the <Connection Checking> to see the current remaining amount of the batteries.



Last connected time

Remaining amount of the battery life:
Good : There is enough battery charge.
Low : The battery charge is low.

 Replace the batteries when "LOW" is displayed.

Registration of the clicker (Add a clicker)

When the wireless adapter is connected, a list of Device ID's for the registered clickers is displayed in the order of the student number.

Registration of the student number (a seal on the back) to the respective Device ID is done here. The students name can be edit here.

The screenshot shows the 'ELMO SRS Configurations' window with the 'Add a clicker' tab selected. It features a table with the following data:

Device ID	Student Number	Name
000001	1	
000002	2	
000003	3	
000004	4	
000005	5	
000006	6	
000007	7	

Callout boxes provide the following instructions:

- Double click here to register or edit the students name.
- The results and the student numbers are linked. The student number can not be edit.
- The row of the specific clicker ID's can be selected by pressing any buttons on the relevant clicker.
- Press this button to change the clicker.

 **Note**

After the wireless setting for the added clicker is performed, the added clicker is automatically added to the bottom of the list of the registered Device ID.

Refer to Changing the clicker for details about **<changing the clicker>**.

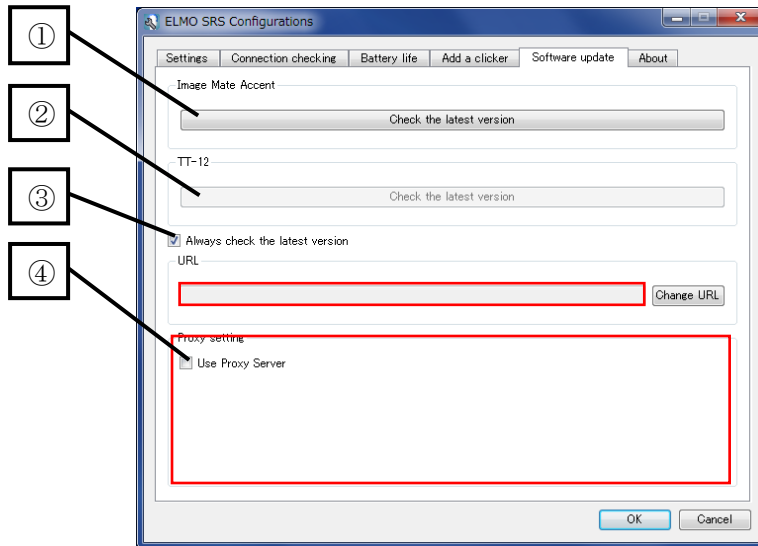
Max. 50 clickers can be registered.

Software update settings (Software update)

The automatic update for the software can be set.



Access our update page to verify you are running the latest version of the software. You need to have an internet connection to update your software.



① Update for Image Mate Accent for SRS

Press this button to verify the latest version of Image Mate Accent for SRS.

② Update for the Document Camera

Press this button to verify the latest version of the Document Camera.



The Document Camera that supports the firmware update needs to be connected. For information about the compatible models, contact your dealer.

③ Automatic firmware update

Place a check mark to activate the automatic firmware update. The software automatically checks the availability of updated software when the computer is started and when Image Mate Accent for SRS is started.

④ Internet connection settings

You can use the software with default settings.

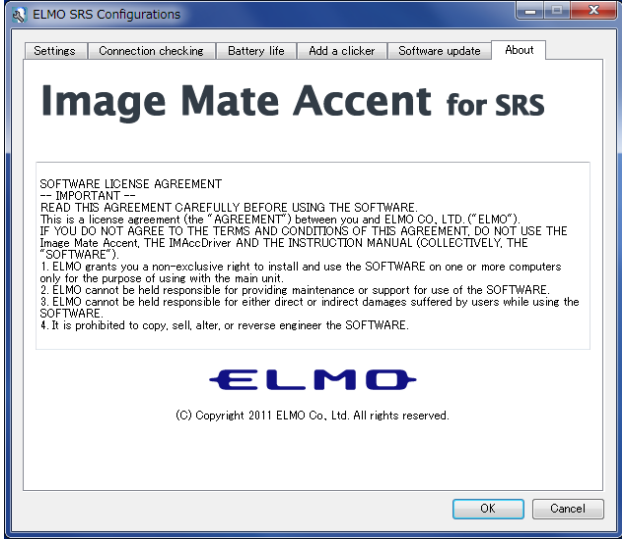
When you need to configure this settings, place a check mark in “Use a proxy server” and proceed.



Consult your internet administrator or provider for details as to the configuration.

Firmware version of the software (About)

You can see the firmware version of the software.



Changing the clicker

In case you need to replace the clicker due to reasons such as malfunction, follow the instruction described below.



Connect the wireless adapter to your computer before performing the clicker change.



Make sure to follow the instruction correctly otherwise the system may not recognize the added clicker.

1 Perform the wireless setting for the added clicker.

Establish the wireless setting between the added clicker and the wireless adapter.

Refer to <Wireless setting for the clicker> in Various Settings for details of the setting procedure.

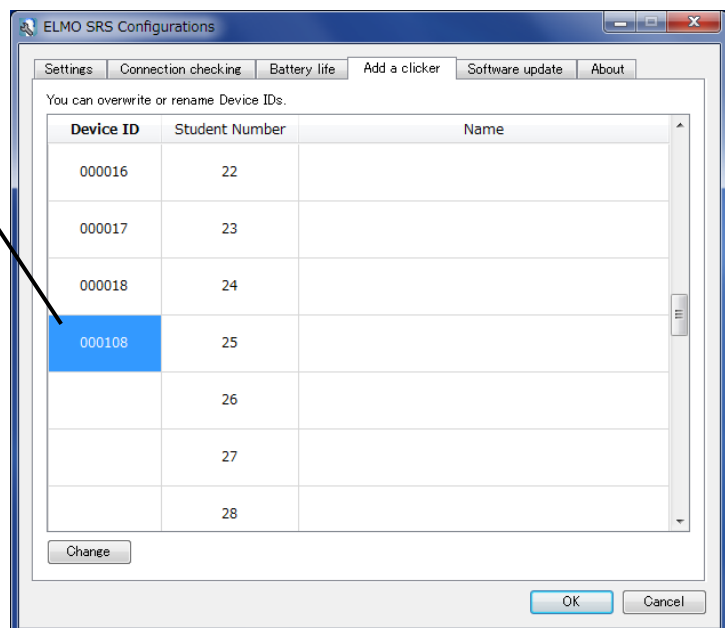
2 Launch ELMO SRS Configurations.

Launch the configuration software. Select [Add a clicker] tab to show the list of clickers.

3 Select the added clicker.

Turn on the added clicker and press any buttons on the clicker.

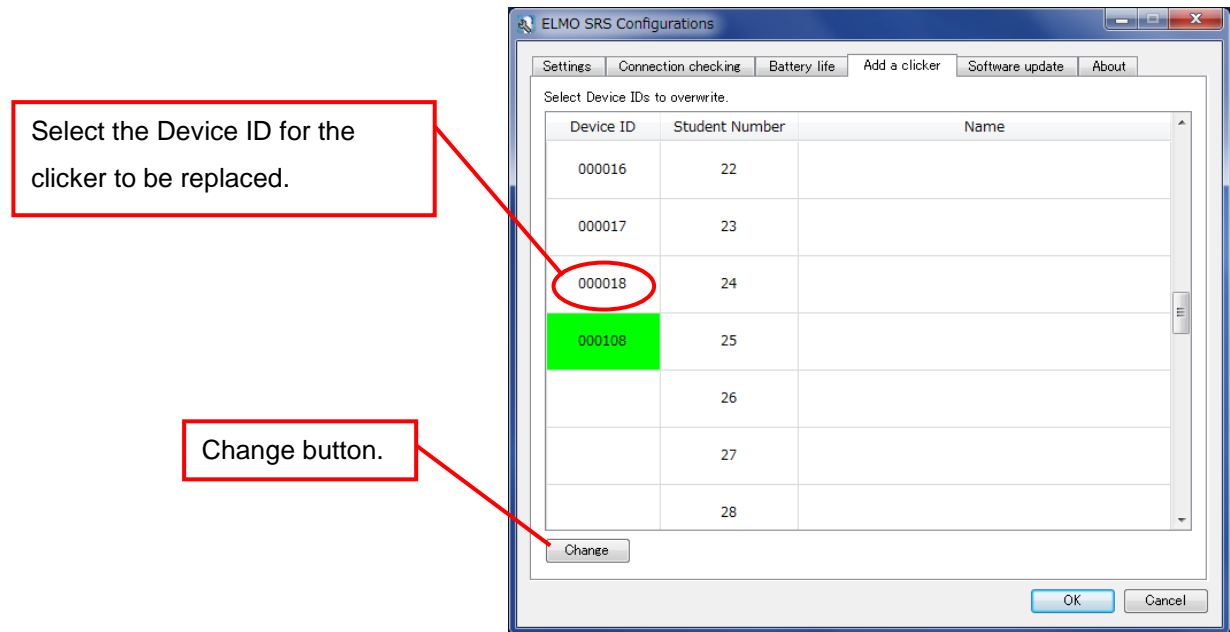
The row of the added clicker ID can be selected by pressing any buttons on the clicker.



The Device ID for the added clicker can be selected by a mouse.

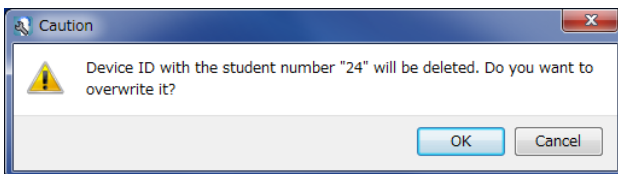
4 Select the clicker to be replaced.

Select the Change button. The Device ID for the added clicker turns to green from blue. Select the Device ID for the clicker to be replaced (overwritten) from the list by using a mouse.



5 Overwrite the data.

Select [OK] after confirming the message in a dialogue box.



Caution

Only Device ID is overwritten. Other items remain unchanged. Once the clicker is replaced (overwritten), such clicker will not be able to communicate with the wireless adapter. Perform the <Wireless setting for the clicker> to use the clicker again.

6 Finalize the registration.

Finalize the registration by pressing [OK].

Other Function

About LED


The power LED, the Response buttons LED and the wireless setting button LED on the wireless adapter indicate the condition of the respective devices.

Clicker

■ Power LED (Red)

LED status	Condition
Off	The power is off. Press the power button to turn on the power.
On	The power is on. Press the power button for over 3 seconds to turn off the power.
Flashing	The battery charge is low. Replace with new batteries. ※The LED flashes for max. 5 seconds and then lights up after the power on or the wireless connection is successfully established.

■ Response buttons (LED) (Red)

LED status	Condition
Off	The power is off or in standby status.
On	The communication with the wireless adapter is established. ※LED is on for max.5 seconds after the connection establishment.
Flashing	The clicker is trying to establish the connection with the wireless adapter or failed to establish the connection with the wireless adapter. ※The clicker attempts to establish the connection for max. 5 seconds after pressing Response button. When succeeded: LED lights up after flashing. When failed: LED flashes for max. 5 seconds then goes off. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">  <p>Caution</p> <p>If Response button LED does not light up, the response is not accepted. Retry by pressing Response button again after the LED is off.</p> </div>
High-speed flashing	The Wireless setting button is pressed. ※During the wireless setting, only [2/B] button flashes. Once the wireless setting is finished, [2/B] button goes off. Then [1/A] and [3/C] buttons flash and go off.

Wireless adapter

■ Wireless setting button (LED) (Blue)

LED status	Condition
Off	The power of the computer is off.
Flashing	The power of the computer is on or the adapter is communicating with other device. ※The interval of flash changes depending on the condition of the communication.
High-speed flashing	The Wireless setting button is pressed.



For details about other LED status than starting SRS when using with Elmo Pen Tablet CRA-1, refer to the User's Guide of ELMO Wireless Slate/ Tablet.

Troubleshooting

If you have a problem or questions about this product, please read this troubleshooting guide first. If the problem still exists, consult the dealer from whom you purchased this product.

Communication between the clicker and the wireless adapter is unstable	
Is third-party wireless device or software installed?	If third-party wireless device or software is operating, it may conflict with the operations of the clicker. Do not operate third-party wireless device or software while using the clicker.
Are the clicker and the wireless adapter in proper condition?	Communication may become unstable if there is an obstruction between the clicker and the wireless adapter. Also, due to the inherent characteristics of wireless communication, the installation angle of both devices may affect the stability of the communication. Remove the obstruction or change the installation location.
Is a wireless device or electronic equipment being used nearby?	Wireless devices or electronic equipments may interfere with the communication between the clicker and the wireless adapter. Refer to <Wireless setting for the clicker> and then perform the wireless settings. If this does not improve the situation, stop using the wireless device or electronic equipment, or move to a location with no interference.

Cannot use SRS / SRS icon is not displayed	
Is a proper wireless adapter used?	Make sure to use the wireless adapter supplied with SRS. Do not use a wireless adapter supplied with the Pen Tablet.
Is the wireless setting between the clicker and the wireless adapter completed?	Wireless setting between the clicker and the wireless adapter needs to be set before you use a newly purchased clicker first. Refer to <Wireless setting for the clicker> for the wireless setting.

Cannot use Pen Tablet	
Using the Pen Tablet which is not compatible with SRS used?	When the firmware upgrade of your Pen Tablet is needed, consult with the dealer from whom you have purchased the Pen Tablet.
Is the wireless setting between the Pen Tablet and the wireless adapter completed?	Wireless setting between your Pen Tablet and the wireless adapter supplied with SRS needs to be set before you use your Pen Tablet with SRS. Refer to <User's Guide of ELMO Wireless Slate/ Tablet> for the wireless setting.

Specifications

Product specifications

■ Clicker

Model Name	CRV-CK-1
Operating Temperature	0°C - 40°C (32°F - 104°F)
Wireless Band Used	2.4GHz
Communication Range	Approx. 15m (49.2 feet) (differs depending on the usage conditions)
Power Supply	Dry cell AAA battery x 2
Continuous Operation Time	Approx. 150 hours (differs depending on the usage conditions)
Auto Power Off time	Approx. 180 seconds
Consumption Current	Max. 3.0V 60mA
External Dimensions	L110(4 11/32") × W64(2 17/32") × H26(1 1/32") (mm)
Weight	90g(0.1984lb) (including 2pcs Dry cell AAA battery)

■ Wireless adapter

Model Name	CRV-CK-1R
Operating Temperature	0°C - 40°C (32°F - 104°F)
Wireless Band Used	2.4GHz
Number of clickers to be registered	Max. 50pcs
PC Interface	USB typeA plug (USB2.0 HI-SPEED)
Power Supply	USB bus power
Consumption Current	Max. 5.0V 50mA
External Dimensions	L64(2 17/32") × W22(7/8") × H10(13/32") (mm)
Weight	11g(0.02425lb)

■ Carrying Bag

Storage Temperature	-20°C - 60°C (-4°F - 140°F)
Number of clicker compartments	32
Number of Pen Tablet storage	1
External Dimensions	L425(16 47/64") × W365(14 9/16") × H165(6 1/2") (mm)
Weight	CRV-24:3.2kg(7.1lb) (Clicker x 24pcs) CRV-32:4.0kg(8.9lb) (Clicker x 32pcs) ※ (Including 1pce wireless adapter and accessories)

Usage precautions

■ About radio waves used by the clicker

The clicker uses radio waves on the 2.4 GHz band. When using the clicker, a radio station license is not necessary. However, please note the following precautions.

Do not use the clicker near the following:

- Microwave ovens or industrial, scientific or medical equipments, 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 devices

When the clicker 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 product, check that there are no radio stations for mobile unit identification systems or specified low-power radio stations nearby.
- If this product emits radio waves which interfere with in-factory radio stations for mobile unit identification systems, cease the use immediately and stop generating the radio waves. For information on countermeasures, etc. (for example, erecting partitions), contact one of our sales offices whose details are provided at the end of this manual.
- If this unit emits radio waves which interfere with specified low-power radio stations used for mobile unit identification systems, or causes similar problems, contact one of our sales offices whose details are provided at the end of this manual.

■ Usage environment / Storage

- The clicker is designed for inside use. Outside use is not recommended.
- Do not place the clicker in any humid, dusty, salt bearing wind, or vibrating locations.
- Use the clicker product under the following environmental conditions:
 - Temperature: 0°C - 40°C (32°F - 104°F)
 - Humidity: 30% - 90% (No condensation)
- When storing the product, do not leave it under direct sunlight or by heaters. It may be discolored, deformed, or damaged.

■ Maintenance

- Perform cleaning of the clicker in a dry place. Make sure to remove the batteries before cleaning.
- Use a soft, dry cloth for cleaning.
- To remove heavy dirt, moisten a soft cloth with diluted neutral detergent and wipe the dirt after wringing the cloth.
- Do not use any volatile solvent such as thinner or benzene.

■ Disclaimer

The information on this manual and Image Mate Accent for SRS are subject to change without prior notice.

The software already installed in your computer or other devices connected to your computer may affect the performance of Image Mate Accent for SRS.

ELMO is not liable for any direct or indirect damages resulting from the use of Image Mate Accent for SRS.

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■ Repairable Period

ELMO will maintain and keep spare parts for this product for eight years after the discontinuation of this product. After this period, ELMO will no longer offer repair service for this product.

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