

Unpacking

As you unpack your calculator, check to make sure that all of the items shown below are included.

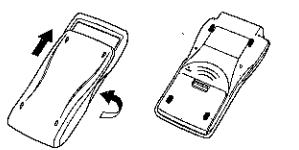
- Scientific Calculator
- USB cable
- Test batteries (Four AAA-size batteries)
- Quick Start Guide (This manual)
- Optionally Available
- SB-62 cable (Included with the calculator in some areas.)

BEFORE USING THE CALCULATOR FOR THE FIRST TIME...

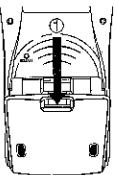
Batteries are not loaded in your calculator at the factory.

Be sure to follow the procedure below to load batteries and adjust the display contrast before trying to use the calculator for the first time.

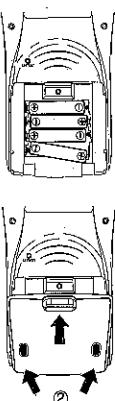
1. Making sure that you do not accidentally press the **OFF** key, slide the case onto the calculator and then turn the calculator over. Remove the battery cover from the calculator by pulling with your finger at the point marked ①.



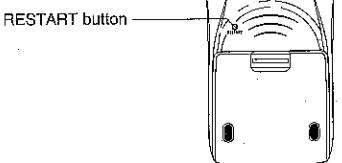
2. Load the four batteries that come with the calculator.
- Make sure that the positive (+) and negative (-) ends of the batteries are facing correctly.



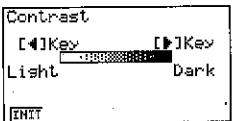
3. Replace the battery cover, making sure that its tabs enter the holes marked ② and turn the calculator front side up. The calculator will turn on automatically and the MAIN MENU will appear on the display.



- If the Main Menu shown to the right is not on the display, press the RESTART button on the back of the calculator.



4. Use the cursor keys (**▲**, **▼**, **◀**, **▶**) to select the SYSTEM icon and press **EXE**, then press **EXE** (**▶**) to display the contrast adjustment screen.



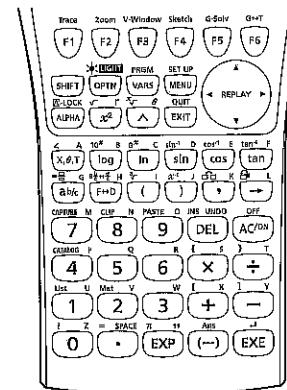
5. Adjust the contrast.
 - The **◀** cursor key makes display contrast darker.
 - The **▶** cursor key makes display contrast lighter.
 - **EXE** (INIT) returns display contrast to its initial default.

6. To exit display contrast adjustment, press **EXIT**.

Important!

A special USB driver must be installed on your computer in order to connect to the calculator. The driver is installed along with the Program-Link software (FA-124). Be sure to install the Program-Link software (FA-124) on your computer before trying to connect the calculator. Attempting to connect the calculator to a computer that does not have the Program-Link software installed can cause malfunction. FA-124 software can be downloaded from http://edu.casio.com/education/support_software/.

Key Layout



Battery Level Indicator

An icon in the upper right corner of the Main Menu shows approximately how much battery power is remaining.



... From left to right: Level 3, Level 2, Level 1, Dead.

Important! Replace batteries as soon as possible whenever **OFF** (Level 1) is indicated. For information about battery replacement, see "Replacing Batteries" in the Hardware User's Guide.

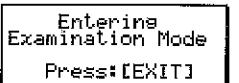
Selecting a Mode

On the Main Menu, perform either of the following operations.

- Use the **◀**, **▶**, **▲** and **▼** keys to move the highlighting to the icon of the mode you want to select, and then press **EXE**.
- Press the number key that corresponds to the number in the lower right corner of the icon whose mode you want to select.

Icon	Mode Name/Description
	RUN•MAT (Run • Matrix • Vector) Use this mode for arithmetic calculations, function calculations, binary, octal, decimal, and hexadecimal calculations, matrix calculations, and vector calculations.
	STAT (Statistics) Use this mode to perform single-variable (standard deviation) and paired-variable (regression) statistical calculations, to perform tests, to analyze data and to draw statistical graphs.
	e•ACT (eActivity) eActivity lets you input text, math expressions, and other data in a notebook-like interface. Use this mode when you want to store text or formulas, or built-in application data in a file.
	S•SHT (Spreadsheet) Use this mode to perform spreadsheet calculations. Each file contains a 26-columnx999-line spreadsheet. In addition to the calculator's built-in commands and S•SHT mode commands, you can also perform statistical calculations and graph statistical data using the same procedures that you use in the STAT mode.
	GRAPH Use this mode to store graph functions and to draw graphs using the functions.
	DYNA (Dynamic Graph) Use this mode to store graph functions and to draw multiple versions of a graph by changing the values assigned to the variables in a function.

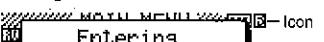
4. Press **F2**.
• This displays the dialog box shown below.



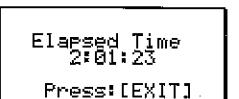
5. Press **EXIT**.

• **Calculator Operation in the Examination Mode**

- Entering the Examination Mode causes an icon (■) to flash on the display. The flash rate of the icon slows down about 15 minutes after entering the Examination Mode.



- The icon inverts its colors (■) to indicate that a calculation operation is in progress.
- In the Examination Mode, the Auto Power Off trigger setting is fixed at approximately 60 minutes.
- Pressing **■** causes the dialog box shown below to appear. The dialog box shows the elapsed time in the Examination Mode.



- The table below shows how certain operations affect the Examination Mode.

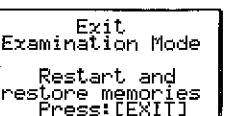
If you do this:	The calculator stays in Examination Mode.	Data input in Examination Mode is retained.
Turn power off and then back on again	Yes	Yes
Press the RESTART button	Yes	No
Remove the calculator's batteries	Yes	No
Delete Main Memory data	Yes	No

• **Exiting the Examination Mode**

There are three ways to exit the Examination Mode.

- (1) Exiting the Examination Mode by Connecting to a Computer
 1. Use the USB cable to connect the calculator that is in the Examination Mode to a computer.
 2. When the "Select Connection Mode" dialog box appears on the calculator, press the calculator's **F1** key.
 3. On the computer, start up the FA-124 software.

4. On the computer, click the toolbar **■** button.
• The dialog box shown below will appear when you exit the Examination Mode.



- The FA-124 software will display an error message at this time, but just ignore it.

- (2) Exiting the Examination Mode by Allowing 12 Hours to Elapse

Approximately 12 hours after entering the Examination Mode, turning on the calculator will cause it to exit the Examination Mode automatically.

Important! If you press the RESTART button or if you replace batteries before turning on the calculator, it will re-enter the Examination Mode when turned on, even if 12 hours have elapsed.

- (3) Exiting the Examination Mode by Connecting to another Calculator

1. On the calculator that is in the Examination Mode (Calculator A), enter the **LINK** mode and then press **F4** (CABL) **F2** (3PIN).

2. Use the SB-82 cable to connect Calculator A to another calculator that is not in the Examination Mode (Calculator B).

3. On Calculator A, press **F2** (RECV).

4. On Calculator B*, enter the **LINK** mode and then press **F3** (EXAM) **F2** (UNLK) **F1** (Yes).

• You could also transfer any data from Calculator B to Calculator A.

• Example: To transfer setup data to Calculator A

1. On Calculator B, enter the **LINK** mode and then press **F1** (TRAN) **F2** (MAIN) **F1** (SEL).

2. Use **▼** and **▶** to select "SETUP".

3. Press **F1** (SEL) **F2** (TRAN) **F1** (Yes).

* Calculator with Examination Mode function

- The ■ icon will disappear from the display when the calculator exits the Examination Mode.

• **Displaying Examination Mode Help**

You can display Examination Mode help in the **LINK** mode.

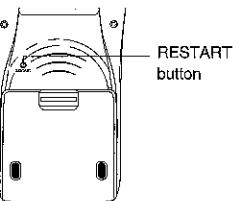
F3 (EXAM) **F2** (ENTR)... Displays help about entering the Examination Mode.

F3 (EXAM) **F3** (APP)... Displays help about what modes and functions are disabled in the Examination Mode.

F3 (EXAM) **F4** (EXIT)... Displays help about exiting the Examination Mode.

Restart

Should the calculator start to act abnormally, you can restart it by pressing the RESTART button. Note, however, that you should only use the RESTART button only as a last resort. Normally, pressing the RESTART button reboots the calculator's operating system, so programs, graph functions and other data in calculator memory is retained.



Important! The calculator backs up user data (main memory) when you turn power off and loads the backed up data when you turn power back on.

When you press the RESTART button, the calculator restarts and loads backed up data. This means that if you press the RESTART button after you edit a program, graph function, or other data, any data that has not been backed up will be lost.

Reset

Use reset when you want to delete all data currently in calculator memory and return all mode settings to their initial defaults.

Before performing the reset operation, first make a written copy of all important data.

For details, see "Reset" in the Software User's Guide.

Handling Precautions

- Your calculator is made up of precision components. Never try to take it apart.
- Avoid dropping your calculator and subjecting it to strong impact.
- Do not store the calculator or leave it in areas exposed to high temperatures or humidity, or large amounts of dust. When exposed to low temperatures, the calculator may require more time to display results and may even fail to operate. Correct operation will resume once the calculator is brought back to normal temperature.
- The display will go blank and keys will not operate during calculations. When you are operating the keyboard, be sure to watch the display to make sure that all your key operations are being performed correctly.
- Replace the batteries once every one year regardless of how much the calculator is used during that period. Never leave dead batteries in the battery compartment. They can leak and damage the unit.
- Do not use an oxyride battery* or any other type of nickel-based primary battery with this product. Incompatibility between such batteries and product specifications can result in shorter battery life and product malfunction.
- Keep batteries out of the reach of small children. If swallowed, consult a physician immediately.
- Avoid using volatile liquids such as thinner or benzine to clean the unit. Wipe it with a soft, dry cloth, or with a cloth that has been moistened with a solution of water and a neutral detergent and wrung out.
- Always be gentle when wiping dust off the display to avoid scratching it.
- In no event will the manufacturer and its suppliers be liable to you or any other person for any damages, expenses, lost profits, lost savings or any other damages arising out of loss of data and/or formulas arising out of malfunction, repairs, or battery replacement. It is up to you to prepare physical records of data to protect against such data loss.
- Never dispose of batteries, the liquid crystal panel, or other components by burning them.
- Be sure that the power switch is set to OFF when replacing batteries.
- If the calculator is exposed to a strong electrostatic charge, its memory contents may be damaged or the keys may stop working. In such a case, perform the Reset operation to clear the memory and restore normal key operation.
- If the calculator stops operating correctly for some reason, use a thin, pointed object to press the RESTART button on the back of the calculator. Note, however, that this clears all the data in calculator memory.
- Note that strong vibration or impact during program execution can cause execution to stop or can damage the calculator's memory contents.

- Using the calculator near a television or radio can cause interference with TV or radio reception.
- Before assuming malfunction of the unit, be sure to carefully reread the User's Guide and ensure that the problem is not due to insufficient battery power, programming or operational errors.

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Be sure to keep physical records of all important data!

The large memory capacity of the unit makes it possible to store large amounts of data. You should note, however, that low battery power or incorrect replacement of the batteries that power the unit can cause the data stored in memory to be corrupted or even lost entirely. Stored data can also be affected by strong electrostatic charge or strong impact. It is up to you to keep back up copies of data to protect against its loss.

Since this calculator employs unused memory as a work area when performing its internal calculations, an error may occur when there is not enough memory available to perform calculations. To avoid such problems, it is a good idea to leave 1 or 2 kbytes of memory free (unused) at all times.

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Canadian Regulatory Information
Information concernant la Réglementation Canadienne

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

NL
Batterij niet weggoeden,
maar inleveren als
KCA



Manufacturer:
CASIO COMPUTER CO., LTD.
6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

Responsible within the European Union:
Casio Europe GmbH
Casio-Platz 1
22848 Norderstedt, Germany
www.casio-europe.com

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

NOTICE

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.

FCC WARNING

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

Proper connectors must be used for connection to host computer and/or peripherals in order to meet FCC emission limits.

Connector SB-62 Power Graphic Unit to Power Graphic Unit
USB connector that comes with the fx-9860GII SD/fx-9860GII
Power Graphic Unit to Windows®
compatible PC

Declaration of Conformity

Model Number: fx-9860GII SD/fx-9860GII
Trade Name: CASIO COMPUTER CO., LTD.
Responsible party: CASIO AMERICA, INC.
Address: 570 MT. PLEASANT AVENUE, DOVER,
NEW JERSEY 07801
Telephone number: 973-361-5400

This device complies with Part 15 of the FCC Rules. 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.

CASIO COMPUTER CO., LTD.

6-2, Hon-machi 1-chome
Shibuya-ku, Tokyo 151-8543, Japan

CASIO Worldwide Education Website

<http://edu.casio.com>

Manuals are available in multi languages at

<http://world.casio.com/manual/calc>

Thank you for selecting the CASIO graphing calculator.

For detailed information about operations, download the User's Guide (PDF file) from the CASIO Manual Download site (<http://world.casio.com/manual/calc/>).

- Be sure to keep all user documentation handy for future reference.
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