CASIO

SF-A10

OPERATION MANUAL

CASIO

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   SF-A10 to SF-A10

═══ Introduction ═══

Thank you for purchasing the CASIO SF-A10. Be sure you carefully read this instruction manual so that you completely understand all its functions before trying to use it. After reading the manual, keep it in a safe place so you can refer to it whenever necessary.

☰ Contents ☰

Alarm Mode
You can set the alarm to the minute and also set an hourly time signal that sounds each hour. You can also set Schedule Alarms and control the key input tone.

Conversion Mode
Performs currency conversions with one of 6 built-in conversion rates and combinations of currency units.

Calculator Mode
A 10-digit calculation function performs most common calculations.

Data Communication Function
Exchanges data with another SF-A10 unit. A separately available communication cable (SB-62) is required for communications.

Features and Functions

Telephone Directory Mode
Stores Telephone Directory data including names, telephone numbers, and addresses. Two areas let you store business and personal data separately.

Schedule Mode
Stores schedule data including the date, time, and type of each appointment. You can select icons that indicate each appointment at a glance.

Calendar Mode
Displays calendars for any month from January 1901 to December 2099. You can even specify holidays for highlighting on the calendars.

Data Memo Mode
Stores memo items consisting of a memo name and contents. Use this mode for passport numbers and any other data you want to store.

Secret Memory Area
Stores data you wish to keep confidential. No one can gain access to the secret memory area without knowing the password.

Timekeeping Mode
Home Time displays the current time, while World Time shows the time in any one of 29 zones around the world. An auto calendar designed to keep track of the current date from January 1, 1901 to December 31, 2099 is built in. You can use 24-hour or 12-hour format, and even specify daylight savings time.

1 Before Using your SF-A10

Be sure to read this part of the manual before doing anything else! It includes important information that you need to know in order to use the SF-A10 correctly.

Read this first!

You must be familiar with the following information in order to use the SF-A10 correctly. It tells you what to do in order to avoid losing important data stored in memory. Please be sure to read the following before using the SF-A10.

Make back up copies of important data!

Your SF-A10 employs electronic memory, which makes it possible to store and to recall data quickly and easily. Data is retained as long as power is supplied by the batteries. This means that should batteries go dead, or if you remove both batteries at the same time, the data stored in memory may be lost entirely.

Data contents can also be damaged or lost due to strong electrostatic charge, strong impact, or extremes in temperature and humidity.

All of this means that you should always keep written back up copies of important data.

General Precautions

Warning!

Never expose the unit or batteries to direct heat or flame.

- Replace the main battery at least once every 5 years, and the back-up battery once every 3 years. Batteries should be replaced no matter how much you use the unit during that time. A dead battery can cause serious damage to the interior of the unit, and so you should change the batteries immediately after they appear to weaken.
- Avoid using or storing the unit under very low temperatures, which can cause the display response to slow down or fail entirely. Low temperature can also shorten battery life.
- Avoid using or storing the unit under very high temperatures, such as direct sunlight, in a closed automobile, or near a heater.
- Avoid using or storing the unit where there is high humidity or large amounts of dust. Never allow liquids to come into contact with the unit.
- Avoid dropping the unit or otherwise subjecting it to strong impact.
- Never bend or twist the unit. Carrying the unit in your back pocket can subject it to abnormal bending and twisting.
- Never try to take the unit apart.
- Do not press the keys of the unit with a pen, pencil, or other sharp object.
- To clean the unit, wipe it off with a soft cloth. When necessary, you can wipe the exterior with a soft cloth that was dipped in a weak solution of a mild neutral detergent and water.
- Never use volatile liquids such as lacquer thinner or benzine to clean the unit.
- In no event will CASIO and its suppliers be liable to you or any other person for any damages, including any incidental or consequential expenses, lost profits, lost savings or any other damages arising out of the use of this product.

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Reset Operation

Two kinds of reset operation can be performed. The all-reset operation deletes all data in memory. The secret reset operation deletes only your password and the data in the secret memory area.

Important!

Be sure to perform the all-reset operation after purchasing the SF-A10.

To perform all-reset

1. Switch power off.
2. Remove the screw that holds the battery compartment cover of the unit in place and remove the battery compartment cover.
3. Press the reset button with a thin, pointed object.
4. Use ▼ to select "Reset", and press EXE.
5. Use ◄ to select "Yes", and press EXE.
6. The main menu screen appears and all data is deleted.
7. Replace the battery compartment cover and the screw that secures it in place.
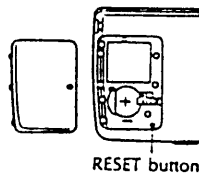
RESET button

- See page 17 for details on using the cursor keys (▲, ▼, ◄, ►).

To perform secret reset

1. Switch power off.
2. Remove the screw that holds the battery compartment cover of the unit in place and remove the battery compartment cover.
3. Press the reset button with a thin, pointed object.
4. Use ▼ to select "Del Secret Data", and press EXE.
5. Use ◄ to select "Yes", and press EXE.
6. The main menu screen appears and all data in the secret area and the password are deleted.

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7. Replace the battery compartment cover and the screw that secures it in place.

- If you want to cancel the reset operation status immediately after you press the reset button, select "Exit", and press EXE.

The following are the initial settings produced by the all-reset operation.

Home Time Zone: London (LON)
Home Time Setting: 12:00 AM, January 1, 1990
World Time: New York (NYC)
12/24-Hour Clock: 12-Hour Clock
Alarm: OFF
Alarm Time: 12:00 AM
Time Signal: OFF

When the calculator does not work correctly...

If the calculator should be subjected to strong electrostatic noise or severe impact, it may not function correctly. In such a case, perform the following operation.

1. Remove the screw that holds the battery compartment cover of the unit in place and remove the battery compartment cover.
2. Press the reset button with a thin, pointed object.
3. After confirming that the message "Exit" is highlighted on the display, press EXE. Now the message "Check Time!" should be on the display (see below).

About the "Check Time!" display

When the message "Check Time!" appears on the display, pressing any key displays the current time setting. Check to make sure that the setting is correct before performing any other operation.

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Low Battery Warning

A low battery warning protects against loss and corruption of data stored in memory due to weak battery power. Replace the main battery immediately if the following display appears.

```
Main Battery
Getting Weak!
Replace it!
```

- Whenever the above display appears, only the OFF key is operational. Power switches off automatically approximately 30 seconds after the low battery warning message appears.

Replacing Batteries

This unit is powered by two lithium batteris, one for the main battery (CR2032) and one for the back-up battery (CR2032). The main battery provides power for normal operations, while the back-up battery protects memory contents.

IMPORTANT!

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the SF-A10. Note the following precautions.

- Be sure that the positive (+) side of each battery is facing up (so you can see it).
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the SF-A10 for long periods.
- Replace the main battery at least once every 5 years, and the back-up battery once every 3 years. Batteries should be replaced no matter how much you use the unit during that time.

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Warning!

- Never try to recharge the batteries supplied with the SF-A10.
- Do not expose batteries to direct heat, let them become shorted, or try to take them apart.

Keep batteries out of the reach of small children. If swallowed, consult with a physician immediately.

Memory contents are cleared when both the main battery and back-up battery are removed at the same time. Be sure to leave one of the batteries in place to protect memory contents.

However, if you remove the main battery for a long period, memory contents may be damaged depending on the condition of back-up battery. If this should happen, clear the memory contents using the reset operation described on page 11.

To replace the batteries

Note that the main battery and the back-up battery should be replaced separately. If you remove both batteries from the unit at the same time, all data stored in memory will be erased. Whenever you remove both batteries from the calculator, be sure to re-install the main battery first.

Important!

- Make sure that the positive (+) side of the batteries is always facing up (so you can see it) when you install batteries into the unit.
- Replace the back-up battery at least once every 3 years.

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To replace the back-up battery

1. Switch power off.
2. Remove the screw that holds the battery compartment cover of the unit in place and remove the battery compartment cover.
3. Remove the screw that holds the back-up battery cover in place and remove the cover.
4. Remove the old battery.
5. Wipe off the surfaces of a new battery with a dry, soft cloth and insert it into the unit making sure that its positive (+) side is facing up (so you can see it).
6. Replace the back-up battery cover and secure it in place with its screw.
7. Replace the battery compartment cover and the screw that holds it in place.

Auto Power Off Function

The auto power off function automatically switches off the power if you do not perform a key operation for about 6 minutes. To restore power, press AC.

If you do not perform any operation for 6 minutes while inputting or editing data, while setting the current time, or while setting an alarm time, power cuts off without storing the data.

If the alarm is switched on, it will sound at its preset time even if power is switched off.

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To replace the main battery

1. Switch power off.
2. Remove the screw that holds the battery compartment cover of the unit in place and remove the battery compartment cover (Figure 1).
3. Slide the tab on the main battery in the direction indicated by the arrow (Figure 2).
4. Insert a thin, pointed non-metallic object into (A) and remove the old battery (Figure 3).

Back-up battery / Main battery

Tab — Do not slide while battery is not installed!
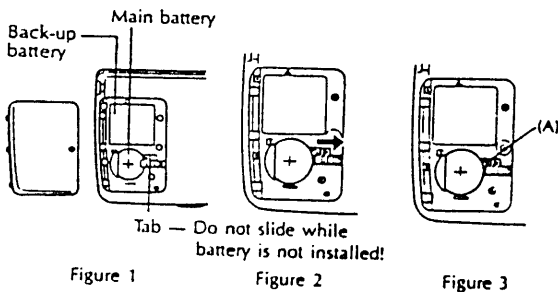
Figure 1   Figure 2   Figure 3

5. Wipe off the surfaces of a new battery with a dry, soft cloth and insert it into the unit making sure that its positive (+) side is facing up (so you can see it).
6. Slide the tab on the main battery back into position.
7. Replace the battery compartment cover and the screw that secures it in place.

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═══ General Guide ═══

MENU Key
Display
Timekeeping Mode Key*
Clear Key
FUNCTION Key
Connector Terminal
AC/ON Key
SEARCH Keys
Cursor Keys
OFF Key
EXE Key
SHIFT Key
SPACE/Return Key
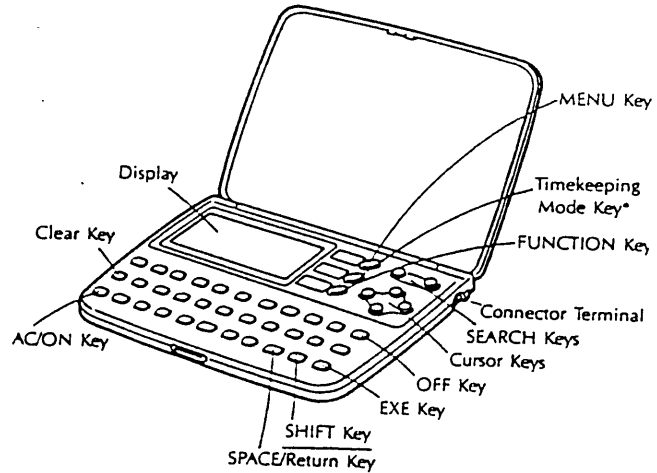
* In this manual, all references to the HOME TIME/WORLD TIME key are indicated by TIME.

Cursor Keys

Arrow symbols are not marked on the cursor keys, but for the sake of explanation, cursor key operations are indicated in this manual as noted below.

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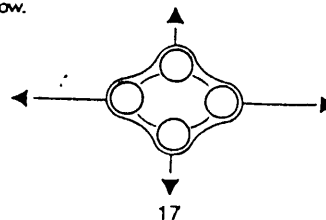
Displaying the Main Menu Screen

The main menu screen appears on the display when you switch power on. If any another screen is displayed, press MENU to display the main menu screen.

Main Menu Screen
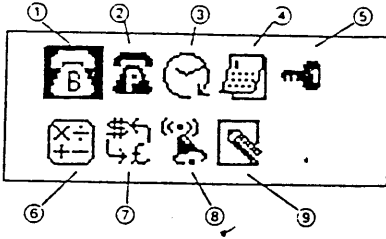
Menu Icons

① Telephone Directory Business Mode
② Telephone Directory Personal Mode
③ Schedule Mode
④ Calendar Mode
⑤ Secret Memory Area
⑥ Calculator Mode
⑦ Conversion Mode
⑧ Alarm Mode
⑨ Data Memo Mode

To change modes

1. Display the main menu screen.
2. The icon of the currently selected mode is highlighted on the display. Use ▲, ▼, ◄, and ► to change the selected menu icon.
3. When the icon for the mode you want is selected (highlighted), press EXE.

• To enter the Timekeeping Mode, press TIME. You cannot select this mode from the main menu screen.

Using the FUNCTION key

Use this key to access special functions and to perform other functions not marked on the keys. Use the following sequence to access such functions.

1. Press FUNCTION.
2. Use ▲ and ▼ to move the highlighting to the function you want.
3. Press EXE to execute the function.
4. If another function menu appears, repeat step 2 and 3.

• To return to the previous display, press FUNCTION.
• To clear a displayed function menu, press AC.

To adjust the display contrast

1. Display the main menu screen.
2. To make the figures on the display darker, press △. To make them lighter, press ▽.

To switch the key input tone on and off

1. Display the main menu screen.
2. Use ▲, ▼, ◄, and ► to select the menu icon for the alarm mode.
3. Press EXE.
4. Press FUNCTION.
5. Use ▼ to select "Sound", and then press EXE.
6. Select "Key Tone" by pressing ▼ three times. Use ◄ and ► to switch it on and off.
7. Press EXE to complete the setting operation.

2 ≡ Inputting Data ≡

You can input alpha characters, symbols, and other character data in Telephone Directory Mode, Schedule Mode, Data Memo Mode, and Conversion Mode. You can input numbers in all modes.

Inputting Alphanumeric Data

Press the keys marked with the alpha and numeric characters that you want to input. You can input two different characters with each key. Use ALPHA/NUM to switch between alphabetic and numeric input. When the unit is in alphabetic mode, "█▓█" is shown on the display. In numeric mode, "█▓█" is shown.

Example: ⊤   ALPHA mode: T
              NUM mode: 9

Switching Between Lower and Upper Case Alpha Characters

The default is lower case alpha characters. For input of a single upper case letter, press SHIFT before inputting the letter. The indicator "█▓█" is shown on the display while the keys are shifted.
For input of multiple upper case letters, press FUNCTION and then use ▲ or ▼ to select "CAPS" and press EXE. At this time, the indicator "█▓█" appears on the display, indicating that all alpha character input is upper case. To return to lower case letter input, use the operation described above to cancel upper case input.
To input a single lower case letter while the "█▓█" indicator is on the display, press SHIFT before inputting the letter.

• Always check the status of display indicators when inputting letters.

Inputting Symbols and Other Characters

To input +, −, ×, ÷, −, and %, set the unit to numeric mode and press the keys marked with the symbols you want to input. To input a space, press SPACE.

To input other symbols and letters

The following symbols and letters are not marked on the keys.

$	£	¥	§	&	#	*	@
!	?	¡	¿	~	/	←	→
'	"	:	;	'	"	"	Ø
(	)	<	>	◄	►	ß	ø

Á	É	Í	Ó	Ú	Ā	Ō	Ñ
á	é	í	ó	ú	ā	ō	ñ
À	È	Ì	Ò	Ù	Ç	Ł	Ż
à	è	ì	ò	ù	ç	ł	ż

| Ä	Ë	Ï	Ö	Ü	Æ	Œ	Ő
ä	ë	ï	ö	ü	æ	œ	ő
Â	Ê	Î	Ô	Û	Å	Ů	Ű
â	ê	î	ô	û	å	ů	ű

Sending Data for a Specific Mode

You can send either a single data item (single month in the Calendar Mode) or all the data items stored in a specific mode. When you send all the data in a specific mode, the operation you use depends on whether or not you are starting from inside that mode or from the main menu.

To send one data item

1. Enter the mode that contains the data you want to send.
2. Search for and display the data you want to send.
3. Press FUNCTION.
4. Use ▼ to select "Communication" and press EXE.
5. Use ▲ to select "Send Data" and press EXE.
6. Press ▲ to select "1 Data" and press EXE.

```
Send OK?

                   Yes / No
```
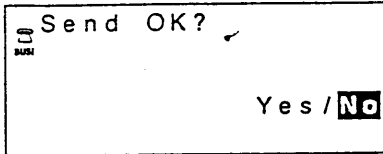
7. Use ◄ to select "Yes" and press EXE to start the actual data send operation.
8. Once the send operation is complete, the data display for that data item reappears.

To send mode data starting from inside the mode

1. Enter the mode that contains the data you want to send, then press △ or ▽ to display the data for that mode.
2. Press FUNCTION.
3. Use ▼ to select "Communication" and press EXE.
4. Use ▲ to select "Send Data" and press EXE.

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5. Use ▲ and ▼ to select "Mode Data" and press EXE.
6. Use ◄ to select "Yes" and press EXE to start the actual data send operation.
7. Once the send operation is complete, the data display for that data item reappears.

To send mode data starting from the main menu

1. While the main menu is displayed, press FUNCTION.
2. Use ▼ to select "Communication" and press EXE.
3. Use ▲ to select "Send Data" and press EXE.
4. Use ▲ to select "Mode Data" and press EXE.
5. Use ▲ and ▼ to select the name of the mode whose data you want to send and press EXE.
6. Use ◄ to select "Yes" and press EXE to start the actual data send operation.
7. Once the send operation is complete, the main menu reappears on the display.

To send all data

Important!
The following operation sends either all open memory area data or all secret memory area data. Be sure to access the memory area (open or secret) whose data you want to send before starting this operation.

1. While the main menu is displayed, or during a Data Display in the Telephone Directory, Schedule, Data Memo, or Calendar mode, press FUNCTION.
2. Use ▼ to select "Communication" and press EXE.
3. Use ▲ to select "Send Data" and press EXE.
4. Use ▼ to select "All Data" and press EXE.
5. Use ◄ to select "Yes" and press EXE to start the actual data send operation.

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6. Once the send operation is complete, the main menu or Data Display (depending on which one you started from) reappears on the display.

About the "Set Up" menu item

You will probably notice that the menu appears on the display after you select "Communication" from the function menu and press EXE. The "Set Up" item contained in that menu is used for setting the parameters of the SF-A10. Note, that the parameters should always be set to "None" (Parity) and "9600" (BPS) for data communications between two SF-A10 units.

Data Communication Error Messages

Error messages appear and data communication is interrupted whenever any of the following conditions occur. When this happens, press AC to clear the message and take the appropriate action to correct the problem.

Message	Cause
Stopped!	• Data communication interrupted by operation of the AC key. • Low battery power in the sending unit. • No data stored in the sending unit.
Main Battery Getting Weak! Replace it!	Low battery power.
Receive Error!	• Connector disconnected. • No data transferred for more than one minute after the receiving unit starts to stand by to receive data.
Memory Full!	Not enough memory in the receiving unit.
Send Error!	• Data communication interrupted by operation of the receiving unit's AC key. • Low battery power in the receiving unit. • Connector disconnected. • Not enough memory in the receiving unit.
No Record!	No data stored in the sending unit's memory.

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═══ Specifications ═══

Model: SF-A10

Telephone Directory Mode
Storage and recall of telephone directory data (name, telephone number, address, etc.). Each item can contain up to 380 characters. Includes secret memory area and auto sort function.

Schedule Mode
Storage and recall of appointments for any date in the range of January 1901 through December 2099. Each item can contain up to 372 characters. Includes secret memory area and auto sort function.

Calendar Mode
Full-month calendars in the range of January 1901 through December 2099. Includes highlighting of important dates and holidays.

Data Memo Mode
Storage and recall of memos. Each item can contain up to 381 characters. Includes secret memory area and auto sort function.

Timekeeping Mode
Average of accuracy ±3 seconds per day under normal temperatures; Home Time (year/month/date, AM/PM, day of the week, city name, daylight saving/standard time); World Time; full automatic calendar; 12/24 hour timekeeping format

Alarm Mode
Daily Alarm (20-second electronic buzzer); Schedule Alarm (20-second electronic buzzer); Hourly Time Signal (beeps every hour on the hour)

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Á	É	Ć	Ď	Ń	Ŕ	Ś	Ť
ã	ë	č	ď	ñ	ř	š	ť
Ą	Ę	Č	Ň	Ś	Ý	Ź	Ž
ą	ę	ć	ń	ś	ý	ź	ž

Use the following procedure to input these symbols and letters.

1. Press FUNCTION.
2. Use ▲ to select "Symbols", and press EXE.
3. Use ▲, ▼, ◄, and ► to select the symbol or letter you want to input. (Use the △ and ▽ to change screens.)
4. When the symbol or letter you want is selected, press EXE.

Inputting Icons (Schedule Mode only)

The following operation is available in the Schedule Mode only. See page 30 for the types of icons that are available.

1. Press FUNCTION.
2. Use ▲ to select "Icons", and press EXE.
3. Use ▲, ▼, ◄, and ► to select the icon you want to input. Use the △ and ▽ to change screens.
4. Press EXE.

Changing Lines

To change to the next line while inputting data, press SHIFT followed by ↵. When you do, the "↵" symbol appears on the display, and the cursor moves to the left end of the next line.

Changing Characters During Input

1. Use ▲, ▼, ◄, and ► to move the cursor to the character you want to change.
2. Change the character.

Deleting Characters During Input

1. Use ▲, ▼, ◄, and ► to move the cursor to the character you want to delete.
2. Press SHIFT, then press ◄ (DEL).
* The character at the cursor position is deleted, and the characters following the one deleted shift to the left.

Inserting a Character During Input

1. Use the ▲, ▼, ◄, and ► to move the cursor to the position you want to insert a character.
2. Press SHIFT then press ► (INS).
* A single space appears at the cursor position, and the characters that follow the space are shifted to the right.
3. Input the character you want to insert.

3 ☰ Telephone Directory Mode ☰

The unit is equipped with two Telephone Directory Modes (business and personal). Use the business mode to handle work related data and the personal mode for private data. You use the same method to input data for both modes. In both modes, you can store up to 380 characters per data item.
Store data you want to keep secret in the secret memory area (page 47).

Entering Telephone Directory Mode

To enter Telephone Directory Mode, select the Telephone Directory business mode or personal mode icon on the main menu screen, and press EXE.

Data Display

Telephone Directory Mode indicator
(Business Mode)

```
┌─────────────────────────┐
│ ▪ANDERSON  JACK───── Name
│ ▪234-228-8333────── Telephone
│   1710 Orange St.        Number
│   Los Angeles, CA───
│ ▼              [ALPHA] [CAPS]
└─────────────────────────┘
```

Data Continues Below   Address etc.
To display the data below, press ▼.
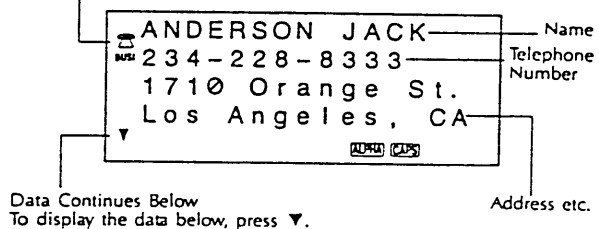
Inputting Telephone Directory Data

Example: Input the following data:

    JACKSON ERIC
    123-4567
    570 Casio Avenue
    Seattle WA 90404

1. When you enter the business mode icon or personal mode icon, the following display appears.

Business Mode

```
┌─────────────────────────┐
│ ▪Name?                   │
│ ▪▪                       │
│                          │
│                          │
│              [ALPHA] [CAPS]
└─────────────────────────┘
```

2. Input the name and press EXE.

    JACKSON SPACE ERIC EXE

                                    Separator mark
```
┌─────────────────────────┐
│ ▪JACKSON  ERIC↵          │
│ ▪Number?                 │
│                          │
│                          │
│              [CAPS]      │
└─────────────────────────┘
```

3. Input the telephone number and press EXE.

123 — 4567 EXE

```
 _ JACKSON  ERIC ⏋
 ⚏ 123-4567 ⏋
    Address  etc.?


                        ▦
```

- Use ALPHA/NUM to switch between alpha character and number input.

4. Input the address.

570 SPACE ALPHA/NUM C FUNCTION ▲ or ▼
(Selects "CAPS") EXE ASIO SPACE SHIFT AVENUE
SHIFT SEATTLE SPACE FUNCTION ▲ or ▼
(Selects "CAPS") EXE WA SPACE ALPHA/NUM 90404

```
 ▲ 123-4567 ⏋
 ⚏ 570  Casio  Avenue
    Seattle  WA  90404
   .¦.
   ‾¦‾                  ▦
```

- If you input 5 or more lines, the topmost line scrolls off the display and the indicator "▲" appears on the left side of the screen.

5. Press EXE to store the data.

- "Name?" now appears prompting input of the next data.

> If you attempt to store data that exceeds the remaining memory capacity, the message "Memory Full!" appears on the display, and further input becomes impossible. Press AC to clear the message, and then delete unnecessary data before inputting the new data.

- **During Data Display**
  If you press AC or C, "Name?" appears on the display.

- **During Data Input**
  If you press AC, "Name?" reappears on the display.
  If you press C, the display asking for the entry name being input ("Name?", "Number?", "Address etc.?") reappears.

Automatic Sorting

Stored data is automatically sorted according to the initial letters in the Name data. See the table on page 74 for the sort sequence.

Recalling Telephone Directory Data

There are two ways to recall Telephone Directory data, *sequential search* and *initial character search*.

To recall data using sequential search

1. Enter the business mode or personal mode.
2. Use △ and ▽ to search for the data.
   Holding down △ or ▽ scrolls through the data at high speed.

- If there is no data stored in memory, the message "No Record!" appears on the display.

To recall data using initial character search

1. Enter the business mode or personal mode.

---

2. Input the initial letters of the data you want to find (up to 16 letters).
   For example, to find the data you input in the section titled "Inputting Telephone Directory Data", input one or more characters starting from "J" (for "JACKSON ERIC").

3. Press △ or ▽. If you press ▽, the unit displays the first data item whose initial characters match the letters you input. If you press △, the unit displays the last data item whose initial letters match.

- If the data you wish to find can not be found, the message "Not Found!" appears on the display. When this happens you can press ◀ or ▶ to return to the display that was shown before you started the search and change your search specification.

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4 ≡ Schedule Mode ≡

In the Schedule Mode, you can store your schedule (date, time, and type of appointment). You can also check to see if you have an appointment using the main menu screen or the Calendar Mode. You can store confidential schedule data in the secret memory area (page 47).

Entering the Schedule Mode

There are two methods to enter the Schedule Mode.

- Select the Schedule Mode icon from the main menu screen, and press EXE.
- Select the Calendar Mode icon from the main menu screen, press EXE to enter the Calendar Mode, then press EXE.

When you perform the above steps, data for the current date appears on the display. When you enter the Schedule Mode using the second method, the data for the day where the date cursor is located appears on the display. This means you can display data for days other than the current date by moving the date cursor to the date you want (see Page 40 "Moving the Date Cursor").

Data Display

Schedule Mode Indicator

Date

Day of the Week (days specified as holidays in the Calendar Mode, are enclosed in ◄ ►).

Schedule Time

Icon

Description

Data Continues Below
To display the data below, press ▼.
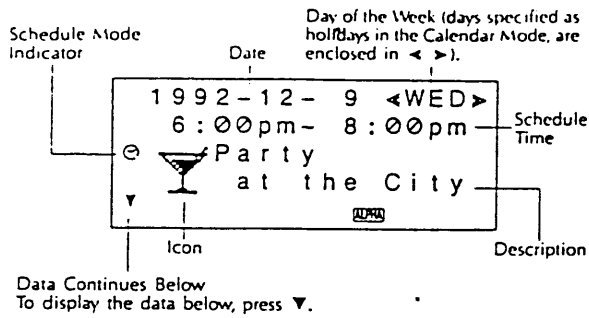
Icons

The icons shown below are available in the Schedule Mode. When you input data, select the icon that represents the appointment. This helps you to see the type of the each appointment at a glance.
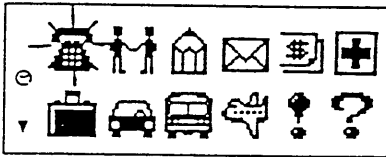
Delete Icon
Select this icon to delete an icon that was previously input.

Inputting Schedule Data

Example: To input the data for a meeting scheduled from 10:30 in the morning to 1:00 in the afternoon on January 25, 1993.

1. When you enter Schedule Mode, the display appears as shown below.

• The internal clock displays the current date.

When there is no appointment scheduled for the displayed date
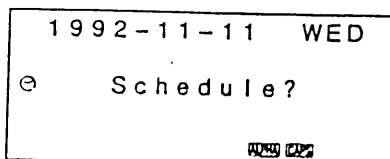
When there is an appointment scheduled for the displayed date
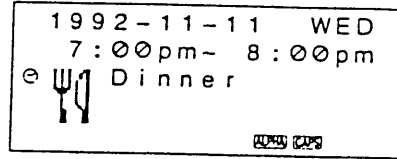
2. Use one of the two methods described under "Specifying a Date" on page 34 to select the date for the appointment.
3. Input the icon. (See page 22 "Inputting Icons")
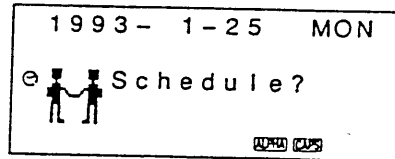
4. Input a description of the appointment, and press EXE.

M FUNCTION ▲ or ▼ (select "CAPS") EXE E E T I N G EXE
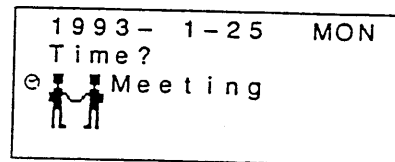
• You can input up to 372 characters.
• If you input 3 or more lines, the topmost line scrolls off the top of the display. In this case "▲" is displayed in the upper left of the screen.

5. Input the start time for the appointment.

1 0 3 0

• If you are not going to specify a start time, continue from step 7 here.
• As you input each number, the flashing cursor moves to the right. The cursor can be moved using ◄ and ►.
• When timekeeping is being performed using 12-hour timekeeping, begin by specifying AM (by pressing A) or PM (by pressing P).
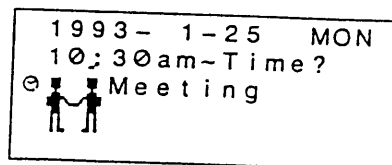
6. Set the time that the appointment will end the same way that you set the starting time.

P 0 1 0 0

• If you are not going to specify an end time, continue from step 7 here.
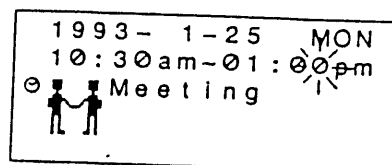
7. Press EXE to store the data.

• At this time, "Schedule?" appears on the display, prompting for input of the next data item.

Specifying a Date

There are two methods you can use to specify a date while inputting data in the Schedule Mode: *scrolling* and *direct input*.

To select a date using the scrolling method

To use the scrolling method to input a date in step 2 under "Inputting Schedule Data", use Δ and ∇ to scroll day-by-day until the day you want is displayed.

To select a date using the direct input method

1. Press FUNCTION.
2. Use ▲ and ▼ to select "Date".
3. Press EXE.
4. Use the number keys to input the date you want, and press EXE.

   (Example: 1 9 9 3 0 1 2 5 EXE for January 25, 1993)

- As you input each number, the flashing cursor moves to the right. You can also move the cursor using ◄ and ►.

> If the data you are trying to store causes the memory capacity to be exceeded, the message "Memory Full!" appears on the display and further input becomes impossible. Press AC to clear the message, and then delete unnecessary data before inputting the new data.

- **During Data Display**
  If you press AC or C, "Schedule?" is displayed.

- **During Data Input**
  If you press AC, "Schedule?" is displayed.
  If you press C, the display asking for the entry name being input ("Schedule?", "Time?") reappears.

> It is impossible to store data which has neither an icon nor an appointment description.

Schedule Alarm

You can set a Schedule Alarm to sound for 20 seconds at the time of the appointment. See Page 57 for details on switching alarms on and off.

Automatic Sorting

Stored data is automatically sorted chronologically according to the date and time of each appointment. Data stored without a time is located before other appointments for the same day. When the day and starting time of two appointments are the same, they are sorted in the order they were input.

Appointment Markers

Dates for which appointments are scheduled are indicated on the display as shown below.

- Dates with appointments are marked on the Calendar Display (page 39) as shown below.

Morning appointment

1992	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30					

Morning and afternoon appointments
No appointment time

Afternoon appointment

- The message "CHECK SCHEDULE" appears on the main menu screen on days when you have scheduled an appointment. Check your schedule for that day when this message is displayed.
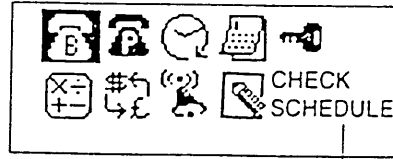
CHECK SCHEDULE

"CHECK SCHEDULE" Display

Recalling Schedule Data

There are five methods you can use to recall Schedule Mode data.

To recall data using daily sequential search

1. Enter the Schedule Mode.
2. Use Δ and ∇ to scroll day-by-day. Holding down either key scrolls at high speed.

To recall data using appointment sequential search

1. Enter the Schedule Mode.
2. Press SHIFT, then press Δ or ∇ to jump to the next date that contains Schedule data.

- If there is no more date with Schedule data, this operation causes the message "Not Found!" to appear on the display. Pressing ◄ or ► to return to the data input screen.
- If there is no Schedule data stored in memory at all, the message "No Record!" appears on the display.

Searching for Data

The following procedure lets you search for data using the first letters of the data, the icon, or both.

1. Enter the Schedule Mode.

- If you do not want to designate an icon, continue from step 5.

2. Press FUNCTION.
3. Use ▲ to select "Icons", and press EXE.
4. Select the icon for the data you want to recall, and press EXE.
5. Input the first letters (up to 16) of the description of the appointment you want to recall.
   For example, to recall the appointment used as an example in the section "Inputting Schedule Data", input any number of letters 1 ("M") up to 7 ("Meeting").

- If you do not want to specify initial characters, proceed to step 6.

6. Press Δ or ∇ to start the search. Pressing ∇ displays the earliest appointment data following the current day that matches your search data. Pressing Δ displays the latest appointment data before the current day that matches your search data.

- When the appointment data you specify cannot be found, the message "Not Found!" appears on the display. In this case, press ◄ or ► to return to the display that was shown before you started the search operation. You can then edit your search data and try again.
- The indicator "■■■" is shown on the display while a search operation is in progress.

Calendar Search

This technique is used when you want to use the calendar to first confirm if there is an appointment recorded on a specific date, and then check the detailed record of the appointment.

1. Select calendar mode on the main menu screen, and press EXE to display the calendar.
2. When you want to see the content of appointment data for a particular date, move the cursor to that date.

• See page 40 for details on moving the date cursor.

3. When you press EXE, the unit displays the appointment data for the selected date.

• Now you can use △ and ▽ to scroll day-by-day.

Date Recall

1. Enter the Schedule Mode and press FUNCTION.
2. Use ▲ or ▼ to select "Date", and press EXE.
3. Input the date you wish to retrieve.

• As you input numbers, the flashing cursor moves to the right. The cursor can also be moved using ◄ and ►.

4. When you press EXE, the unit displays the appointment data for the selected date.

• Now you can use △ and ▽ to scroll day-by-day.

---

4. Press EXE and the calendar for the month you specified appears on the display, with the date cursor flashing at the date you specified.

```
 1993              1   2   3
   4   5   6   7  -8-  9  10
4 11  12  13  14  15  16  17
  18  19  20  21  22  23  24
  25  26  27  28  29  30
```

Moving the Date Cursor

Use ▲, ▼, ◄, and ► to move the date cursor.

Highlighting Dates

Important!
Highlighting a day of the week for a specific period will automatically unhighlight all of the other single highlighted dates during that period. To prevent this, we recommend that you highlight the days of the week you want for the period and then highlight specific dates for that period.

To highlight a single day

1. Enter the Calendar Mode and press FUNCTION.
2. Use ▲ or ▼ to select "Holiday Set" and then press EXE.
3. Use ▲ to select "1 Day", and then press EXE (the "SET" indicator shown).

---

5 ≡ Calendar Mode

With the Calendar Mode, you can display monthly calendars from January 1901 to December 2099. You can also highlight holidays and use calendars to check your schedule.

Entering the Calendar Mode

To enter the Calendar Mode, select the Calendar Mode icon from the main menu screen, and press EXE.

```
Year——————  1992   1   2   3   4   5   6  -7-
             11      8   9  10  11  12  13  14
Month—————           15  16  17  18  19  20  21
                     22  23  24  25  26  27  28
                     29  30
```

Indicates Schedule data (page 35)

Date Cursor
Selected date flashes
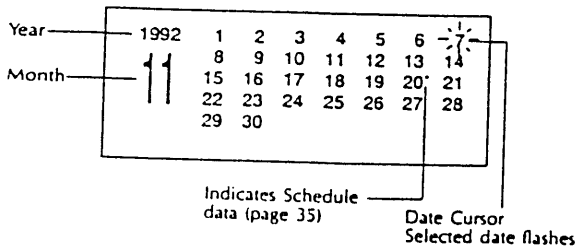
Displaying Calendars for Other Months

Use △ and ▽ to scroll through the calendars month-by-month.

To display a calendar for a specific month

1. Press FUNCTION.
2. Use ▲ to select "Date", and press EXE.
3. Input a date.

• As you input numbers, the flashing cursor moves to the right. The cursor can also be moved using ◄ and ►.
(Example: 1 9 9 3 0 4 0 8 for April 8, 1993)

---

4. Move the date cursor to the date you want to highlight and press EXE.

```
 1992   1   2   3   4   5   6   7
 11      8   9  10  11  12  13  14
         15  16  17  18  19  20  21
         22  23  24  25  26  27  28
 SET     29  30
```

Highlighted date

5. If you wish to designate another day as a holiday, repeat step 4. To complete the highlighting operation, press AC.

To highlight a day of the week for a specific period

1. Enter the Calendar Mode and press FUNCTION.
2. Use ▲ or ▼ to select "Holiday Set", and press EXE.
3. Use ▼ to select "Day of the Week", and press EXE.
4. Input the period for which you want to highlight a day of the week.

• Set it in 1 month units.
• As you input numbers, the flashing cursor moves to the right. The flashing location can also be moved using ▲, ▼, ◄, or ►.

```
Holiday   Set
Period?
   from  1992-11
   to    1993-06
```

5. Press EXE.

```
┌──────────────────────────┐
│ SUN  Y/N   THU  Y/N      │
│ MON  Y/N   FRI  Y/N      │
│ TUE  Y/N   SRT  Y/N      │
│ WED  Y/N                 │
└──────────────────────────┘
```
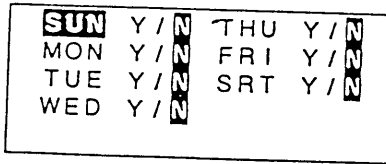
6. Specify the days of the week that you want to highlight, and press EXE. Use ▲ or ▼ to select the day of the week, and then use ◄ and ► to select "Y" (Yes) or "N" (No).

Unhighlighting a Day

To unhighlight a single day
Use the same operations as those described under "To highlight a single day". Move the date cursor to the date you want to unhighlight and press EXE.

To unhighlight a day of the week for a specific period
Use the same operations as those described under "To highlight a day of the week for a specific period". Select "N" (No) for the day that you want to unhighlight and press EXE.

To remove all highlights
Use the same operations as those described under "To highlight a day of the week for a specific period", and specify the period as January 1901 to December 2099. Select "N" (No) for all of the days, and press EXE.

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---

6 ≡ Data Memo Mode ≡

The Data Memo Mode lets you store memos up to 381 letters long. You can store confidential data in the secret memory area (page 47).

Entering the Data Memo Mode
Select the Data Memo Mode icon on the main menu screen, and press EXE.

Indicates Data Memo Mode   Memo Name

```
┌──────────────────────────┐
│ PRICE  LIST              │
│ (TAX  FREE)              │
│ *Perfume  $200           │
│ *Tie  $125               │
│ ▼                        │
└──────────────────────────┘
```
                                            Memo Content

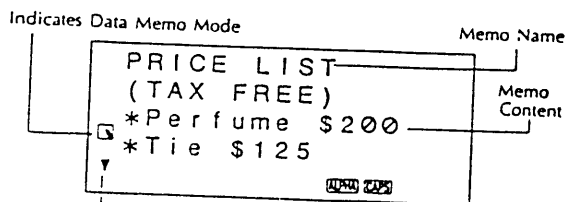Data Continues Below
(Use ▼ to scroll down.)

Inputting Memo data

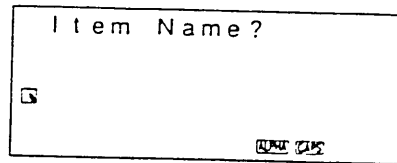Example: To input the following data
         Memo Name (Item Name): PASSPORT
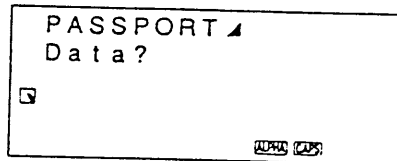   Memo Content (Data): Valid until Dec. 11, 1995,
         No. XY543210

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1. Enter the Data Memo Mode and the following display appears.

```
┌──────────────────────────┐
│    Item  Name?           │
│                          │
│  ▣                       │
│                          │
│                   ALFA CPS│
└──────────────────────────┘
```

2. Input the memo name and press EXE.
   PASSPORT EXE

```
┌──────────────────────────┐
│  PASSPORT◢               │
│  Data?                   │
│  ▣                       │
│                          │
│                   ALFA CPS│
└──────────────────────────┘
```

3. Enter the memo content.

   V FUNCTION ▲ or ▼ (Select "CAPS") EXE ALID
   SPACE UNTIL SHIFT ◄┘ SPACE SHIFT DEC
   ALPHA/NUM . 11 FUNCTION ▲ (Select "Symbols")
   EXE ◄, ►, ▲ or ▼ (Select " , ") EXE 1995 SHIFT
   ◄┘ ALPHA/NUM SHIFT N O ALPHA/NUM . SPACE
   ALPHA/NUM FUNCTION ▲ or ▼ (Select "CAPS") EXE
   X Y ALPHA/NUM 543210

```
┌──────────────────────────┐
│  PASSPORT◢               │
│  Valid  until◄┘          │
│ ▣ Dec.11,1995◄┘          │
│  No.  XY543210◄┘         │
│                      NUM  │
└──────────────────────────┘
```
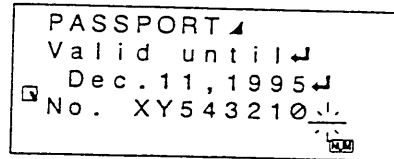
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---

4. Press EXE to store the data.
   The message "Item Name?" prompts for input of the next data item.

```
┌─────────────────────────────────────────────┐
│ If the data you are trying to input causes   │
│ the memory to become full, the message,      │
│ "Memory Full!" appears on the display, and   │
│ you will not be able to input any more data. │
│ Press AC to clear the message, and then      │
│ delete unnecessary data before inputting     │
│ the new data.                                │
└─────────────────────────────────────────────┘
```

* During Data Display
  If you press AC or C, "Item Name?" is displayed.

* During Data Input
  If you press AC, "Item Name?" is displayed.
  If you press C, the display that asks for the item name being input ("Item Name?" or "Data?") reappears.

Automatic Sorting
Stored data is automatically sorted according to the initial letters in the Memo Name data. See the table on page 74 for the sort sequence.
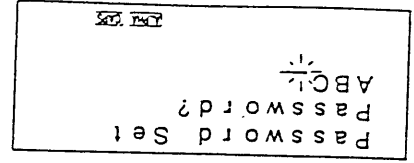
Recalling Data
There are two methods you can use to recall data: sequential search and initial character search.
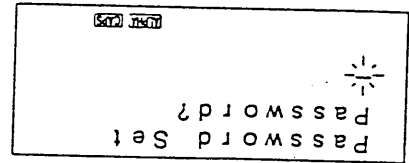
To recall data using sequential search
1. Enter the Data Memo Mode.
2. Use △ and ▽ to search for the data you want. Holding down △ or ▽ scrolls at high speed.

* If no data has been stored, "No Record!" will be displayed.

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To recall data using initial character search

1. Enter the Data Memo Mode.

2. Input the first letters of the data you want to retrieve (up to 16 letters).

For example, to find the data you input in the section titled "Inputting Memo data", input up to 16 letters starting with the letters "P..." (for "PASSPORT").

3. Press ▲ or ▼. If you press ▼, the unit displays the first data item whose characters match the letters you input. If you press ▲, the unit displays the last data item whose initial letters match.

• If you wish to find the data you input but cannot be found, the message "Not Found!" appears on the display. When this happens you can press ▶ or ◀ to return to the display that was shown before you started the search and change your search specification.

7 ═ Secret Memory Area ═

Once you store Telephone Directory, Schedule and Memo data in the secret memory area, no one can view it without inputting the correct password. A password can be up to 16 characters, and you can transfer data back and forth between the secret memory area and the open (normal) memory area.

To create a secret memory area

Example: To create a secret memory area under the password "ABC".

1. Select the secret memory area icon on the main menu screen and the display appears as shown below to indicate that input of a password is required.

```
Password Set
Password?
    ._ı.
     '|'
```

2. Input the password you want to use.

• A password can be made up of alpha characters, numbers, or symbols.

A B C

```
Password Set
Password?
ABC:.
```

---

3. Press EXE to store the password and create a secret memory area (the "—□" indicator shown)

4. To return to the open memory area, select the secret memory area icon on the main menu screen, and press EXE. The "—□" indicator will disappear from the display.

• You can have only one password at any one time.

Warning:
If you forget your password, you cannot recall data from the secret memory area. Be sure to keep a record of your password. If you forget your password, you will have to perform a special delete operation before you can set a new one. The special operation deletes all data stored in the secret memory area, so do not forget your password.
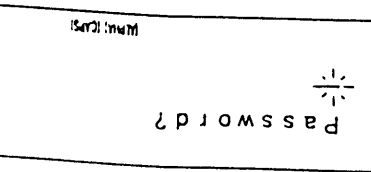
To enter the secret memory area

1. Select the secret memory area icon on the main menu screen and the display appears as shown below to indicate that input of a password is required.

```
Password?
    ._ı.
     '|'
                 [Menu] [CAPS]
```

2. Input the password and press EXE to access the secret memory area (the "—□" indicator shown).

• If you input the wrong password, the message "Password Mismatch!" appears on the display and the screen shown in step 1 reappears. Try inputting the correct password again.

---

3. Now you can perform data input, recall, editing, deletion, or any other operations available in the open memory area. Any data you store at this time is stored in the secret memory area.

4. To return to the open memory area, select the secret memory area icon on the main menu screen, and press EXE. When you do, the "—□" indicator is cleared from the display.

To change the password

1. Enter the secret memory area and display the main menu screen.

2. Press FUNCTION.

3. Use ▼ to select "Password Change", and then press EXE.

Secret memory area indicator — Edit indicator

```
Password Change
New Password?
ABC:.
```

4. Input a new password and press EXE to register your change.

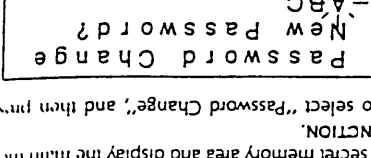The message "Password Registered!" appears on the display, and the main menu reappears.

To transfer data from the open memory area to the secret memory area

1. Recall the data you want to transfer from the open memory area.

2. Press FUNCTION.

3. Use ▲ or ▼ to select "Open → — Secret", and press EXE.

```
≡ Password?
```

4. Input the password and press EXE. The message "Password OK!" appears, and then the data is transferred to the secret memory area.

• After the data transfer is complete, the secret memory area screen appears (with the "─●" indicator shown).

To transfer data from the secret memory area to the open memory area

1. Recall the data you want to transfer from the secret memory area.
2. Press FUNCTION.
3. Use ▲ or ▼ to select "Open ─ → Secret", and press EXE to transfer the data to the open memory area.

• After the data is transferred, the display changes to the open memory area (the "─●" indicator not displayed).

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8 ≡ Timekeeping Mode ≡≡≡≡≡

Home Time shows you the current date and time where you live, while World Time displays the current time in any one of 29 time zones around the world. An auto calendar function keeps track of dates from January 1, 1901 until December 31, 2099. You can also choose between 12-hour and 24-hour time formats, and a daylight savings time specification is also available.

Entering the Timekeeping Mode

To enter the Timekeeping Mode, press TIME*. Each time you press TIME, the display changes as shown below.

* In this manual, all references to the HOME TIME/WORLD TIME key are indicated by TIME.

Home Time
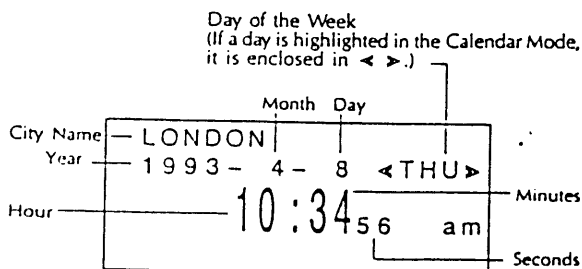
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World Time
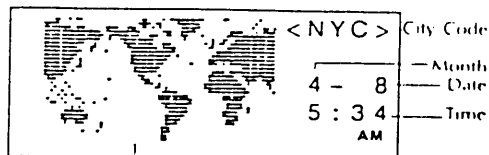
(Scrolls horizontally)

• Be sure to confirm that your Home Time zone is set correctly (page 53) before making any changes in your Home Time date and time settings.

To set the date and time

1. Enter the Timekeeping Mode, and display the Home Time.
2. Press FUNCTION.
3. Use ▲ or ▼ to select "Time Set" and then press EXE.
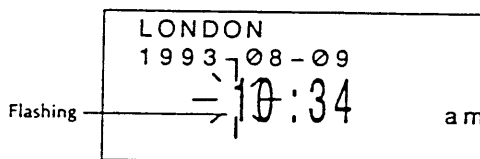
• The hour digit is flashing because it is selected.
4. Use ◄ or ► to move the flashing selection, and use the number keys to input values for the flashing year, month, day, and time digits.

• Each time you input a number, the flashing selection moves to the right.
• If you are using the 12-hour format, be sure to specify AM (by pressing A) or PM (by pressing P).

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---

5. After you finish your setting, press EXE.

• Pressing EXE resets the seconds count to 00 seconds.

To change the Home Time zone

1. Enter the Timekeeping Mode and display the Home Time.
2. Press FUNCTION.
3. Use ▼ to select "Zone Change", and press EXE.
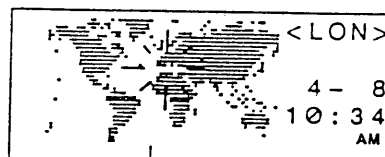
The currently selected zone flashes on the display.

4. Use ◄ or ► to change the Home Time zone.
• Zones change in the sequence shown on the city code table (page 55).
5. After you finish changing the zone, press EXE.

Changing the World Time zone

1. Enter the Timekeeping Mode, and display the World Time.
2. Use ◄ or ► to change the World Time zone.
• Zones change in the sequence shown on the city code table (page 55).
• The time differences is automatically computed based upon the Home Time setting, and the resulting time displayed. ◄■■

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Switching between the 12-hour and 24-hour timekeeping

1. Press FUNCTION with the time display on the screen.
2. Use ▲ or ▼ to select "12/24 Hours", and press EXE. The unit will return to time display and switch between 12-hour and 24-hour clock modes.

Switching to Daylight Savings Time

1. With the time that you wish to switch to daylight savings time on the display, press FUNCTION.
2. Use ▲ to select "DST ON/OFF", and press EXE. At this point the Timekeeping Mode display reappears with the DST setting as you specified.

- You can set daylight savings time for Home Time or any World Time zone.
- When daylight savings time is set, the "DST" indicator appears as shown below.

```
┌─────────────────────────────┐
│ LONDON          DST┤         DST
│ 1993- 4- 8      THU│         indicator
│     10:34 56    am  │
└─────────────────────────────┘
```

```
┌─────────────────────────────┐
│             <HKG>            │
│              DST┤            DST
│           4- 8  │            indicator
│           6:35  │
│              PM │
└─────────────────────────────┘
```

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City Code Table

The following table shows the names of the cities that correspond to the city codes used by the SF-A10, as well as the time difference between each time zone and Greenwich Mean Time.

City Code	City Name	Time Difference	Other Cities in Zone
−11	(GMT-11)	−11	Midway
HNL	Honolulu	−10	
ANC	Anchorage	−09	
LAX	Los Angeles	−08	San Francisco, Seattle, Las Vegas
DEN	Denver	−07	El Paso
CHI	Chicago	−06	Dallas, Mexico City, Houston
NYC	New York	−05	Washington D.C., Boston, Montreal
CCS	Caracas	−04	Santiago
RIO	Rio de Janeiro	−03	Sao Paulo, Buenos Aires
−2H	(GMT-2)	−02	
−1H	(GMT-1)	−01	Azores
LON	London	+00	Greenwich Mean Time, Lisbon
PAR	Paris	+01	Rome, Madrid, Amsterdam, Berlin
CAI	Cairo	+02	Athens, Helsinki, Beirut
JRS	Jerusalem	+02	
JED	Jeddah	+03	Kuwait, Nairobi
THR	Tehran	+03:30	Abadan, Shiraz
DXB	Dubai	+04	Abu Dhabi
KBL	Kabul	+04:30	
KHI	Karachi	+05	
DEL	Delhi	+05:30	Bombay, Calcutta, Colombo
DAC	Dhaka	+06	
RGN	Yangon	+06:30	
BKK	Bangkok	+07	Jakarta, Hanoi
HKG	Hong Kong	+08	Beijing, Taipei, Singapore, Manila
TYO	Tokyo	+09	Seoul, Pyongyang
ADL	Adelaide	+09:30	Darwin
SYD	Sydney	+10	Guam
NOU	Noumea	+11	Port vila
WLG	Wellington	+12	Auckland

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9 ═══ Alarm Mode ═══

Once you set an alarm a buzzer sounds for 20 seconds at the preset time every day. When the Hourly Time Signal is set, the unit beeps every hour on the hour.
You can set the alarm for your Home Time or for any of the World Time zones.

Entering the Alarm Mode

To enter Alarm Mode, select the Alarm Mode icon on the main menu screen, and press EXE.

```
┌─────────────────────────────┐
│ Alarm           Home        │
City Name─┤─NEW YORK          │
Alarm ─────┤        7:30 am    │
Time       │                   │
└─────────────────────────────┘
```
Indicates whether the alarm is set for the Home Time or for a World Time zone.

To set an Alarm Time

1. Enter the Alarm Mode, and press FUNCTION.
2. Use ▲ to select "Alarm Time Set", and press EXE.
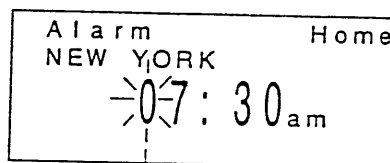
```
┌─────────────────────────────┐
│ Alarm           Home        │
│ NEW YORK                    │
│     07:30 am                │
└─────────────────────────────┘
```
Flashing

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- The hour digit is flashing because it is selected.
3. Use ◄ or ► to move the flashing selection, and use the number keys to input values for the flashing digits.
- Each time you input a number, the flashing selection moves to the right.
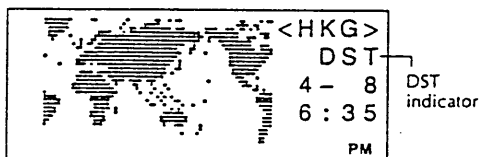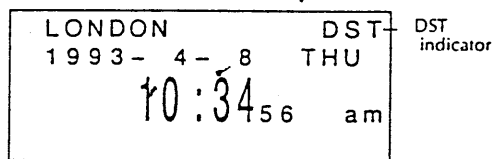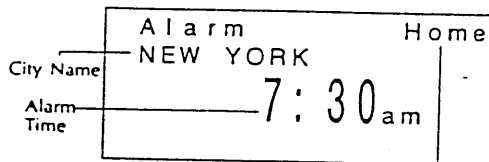- If you are using the 12-hour format, be sure to specify AM (by pressing A) or PM (by pressing P).
4. After you finish your setting, press EXE. At this time the alarm automatically switches on ("ON" indicator shown).

To set the alarm zone

1. Enter the Alarm Mode and press FUNCTION.
2. Use ▲ or ▼ to select "Alarm Zone Set", and press EXE.
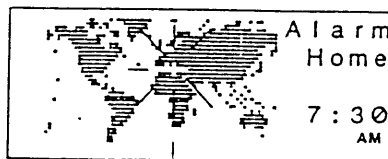
```
┌─────────────────────────────┐
│                 Alarm       │
│                 Home        │
│                 7:30        │
│                    AM       │
└─────────────────────────────┘
```
The currently selected zones flashes on the display.

3. Use ◄ and ► to change the alarm zone.
4. After you finish changing the alarm zone, press EXE ("ON" indicator shown).

Switching the alarm and hourly time signal on and off

1. Enter the Alarm Mode and press FUNCTION.
2. Use ▼ to select "Sound", and press EXE.

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Schedule alarm   Daily alarm   Setting status

Schedule alarm / Daily alarm / Setting status labels:
Daily Alm ON / **OFF**
Sched Alm ON / **OFF**
Time Sgnl ON / **OFF**
Key Tone ON / **OFF**

Hourly time signal

Key input tone

3. Use ▲ and ▼ to select the item you want, and use ◄ and ► to switch the setting on or off.
4. After you complete your setting, press EXE.
* When an alarm starts to sound, press any key to stop it.

10 ≡ Conversion Mode

This unit is programmed with the six currency combinations shown below. Once you input the current rate for these currencies, you can calculate currency conversions with the touch of key. Remember to check the latest conversion rates and input the most recent values before performing any important calculations. Also note that you can edit the built-in currency names (page 64).

Built-In Rates	
$ 1. – £ 0.5	$ 1. – Lit 1000.
$ 1. – DM 1.5	$ 1. – Pts 100.
$ 1. – FFr 5.	$ 1. – Y 100.

Entering the Conversion Mode
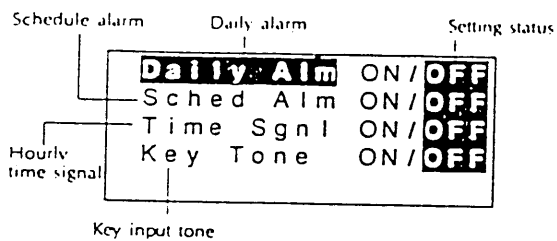To enter the Conversion Mode, select the Conversion Mode icon on the main menu screen, and press EXE.

* If the rates assigned to the conversion pairs are the initial pre-programmed rates, the message "NOTICE Change Preset Rates Before Using!" appears on the display after you press EXE. Press any key to clear the message.

To set the conversion rates
Example: To set a rate "$ 1. – Lit 1100."
1. Enter the Conversion Mode
2. Use Δ and ∇ to display the currency pair whose rate you wish to set.
3. Press FUNCTION.
4. Use ▲ or ▼ to select "Rate Set", and press EXE.

Rate Set $?

1.
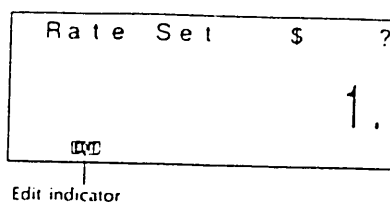
Edit indicator

5. Change the value for one of the currencies by inputting the rate and pressing EXE.

EXE

* To leave the rate for this currency as it is, press EXE without inputting anything.

$ 1.
Rate Set   Lit   ?

1000.
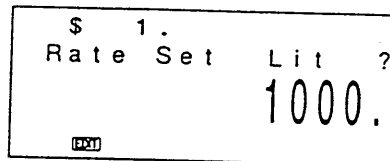
6. Change the value for the other currency by inputting the rate and pressing EXE.

1100 EXE.

* To leave the rate for this currency as it is, press EXE without inputting anything.

Conversion Examples

Example 1:
To convert $ 100. to French Francs.

1. Enter the Conversion Mode.
2. Use Δ or ∇ to display the currency pair you want to use.
* The display shown below shows a rate of $ 1. – FFr 5.

$ 1. –
FFr   5.
$?

0.
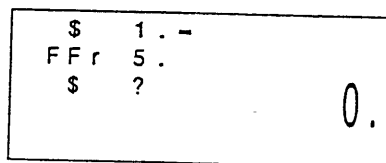
3. Input the value you want to convert.
100

$?

100.
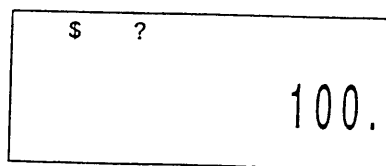
4. Press EXE (or =).
The result of a conversion of $ 100. to French Francs is displayed.

Example 2:
To convert FFr 100. to dollars.
1. Enter the Conversion Mode.
2. Use Δ or ∇ to display the currency pair you want to use.
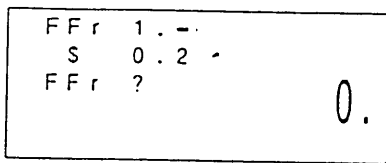3. Press FUNCTION.
4. Use ▲ to select "Reverse", and press EXE.
"FFr 1. – $ 0.2" is shown on the display.

```
F F r   1 . -
    S    0 . 2  -
F F r   ?
                    0.
```

5. Input the amount you want to convert, and press EXE (or =).

　　100 EXE

The unit displays the value of FFr 100. converted to U.S. dollars.

Calculations Using Conversion Results

Example:
You purchase 5 items, each worth $ 20. What was the total cost in DM (programmed rate $ 1. – DM 1.5)?

1. Use △ or ▽ to display the $ 1. – DM 1.5 combination.
2. Convert $ 20. into DM.

　　20 EXE

3. Multiply by the number of items.

　　× 5 =

The result is DM 150.

---

11 ≡ Data Editing

Use the procedures described here to edit Telephone Directory, Schedule, Memo data, and currency name. Remember that you must access the secret memory area to edit data stored there.

To edit data

1. Enter the mode that contains the data you want to edit.
2. Use the search functions to recall the data you want to edit.
3. Press FUNCTION.
4. Use ▲ or ▼ to select "Edit", and press EXE ("⊡⊡" lights on the display).
5. The cursor appears at the beginning of the data. Use ▲, ▼, ◄, or ► to move the cursor to the location of the characters you want to edit.

* You can also use the following key operation to move the cursor.

When the cursor is at the beginning of an entry:
SHIFT ▼ jumps to the end of the entry.
SHIFT ▲ jumps to the beginning of the previous entry.

When the cursor is at the end of an entry:
SHIFT ▼ jumps to the end of the next entry.
SHIFT ▲ jumps to the beginning of the entry.

6. Edit the data using the procedures detailed in the section titled "2 Inputting Data."
7. After you finish the editing operation, press EXE to store the new data.

The following describes how to edit dates and icons in the Schedule Mode.

To change a Schedule Mode date

1. When the "⊡⊡" indicator is shown on the display, press FUNCTION.
2. Use ▲ or ▼ to select "Date", and press EXE.

```
 ┌─── ─1992 – 1 1 – 1 1
 │    ⌐
 │  ⊝
 │
```
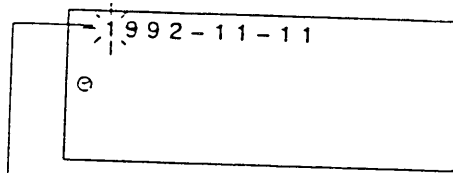
Flashing

3. Change the date and press EXE.

* Use ◄ and ► to move the flashing selection. As you input numbers, the flashing selection moves to the right.

4. After you finish the editing operation, press EXE to store the new data.

To change a Schedule Mode icon

1. When the "⊡⊡" indicator is shown on the display, press FUNCTION.
2. Use ▲ to select "Icons", and press EXE.
3. Select the icon you want to change and press EXE.
4. After you finish the editing operation, press EXE to store the new data.

To change a currency name

Example: To change the name "$" to "US$".

1. Enter the Conversion Mode.
2. Use △ or ▽ to display the currency pair whose currency names you want to change.

---

3. Press FUNCTION.
4. Use ▼ to select "Edit", and press EXE.

```
    $    1 .
F F r   5 .

    C u r r e n c y ?   ◌⁄$
   ⊡⊡                ⊡⊡⊡ ⊡⊡⊡
```
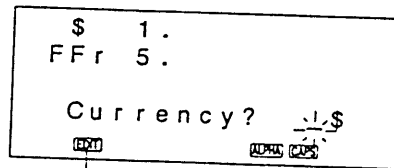
Indicates edit operation

5. Change the one of the currency names and press EXE.

　　U S FUNCTION ▲ (Select "Symbols") EXE ◄, ►, ▲ or
　　▼ (Select "$") EXE EXE

* If you do not want to change the displayed name, press EXE without inputting anything.
* See page 21 for information on inputting characters and symbols.
* You can input up to 4 letters for each currency name.

6. Change the other currency name and press EXE.

* If you do not want to change the displayed name, press EXE without inputting anything.

7. At this point the conversion rate appears for editing. First change one of the values and press EXE.

* If you do not want to change the displayed value, press EXE without inputting anything.

8. Change the other value, and press EXE.

* If you do not want to change the displayed value, press EXE without inputting anything.

Use the procedures described here to delete Telephone Directory,
Schedule, and Memo data. Remember that you must access the
secret memory area to delete data stored there.

To delete a single data item

1. Enter the mode that contains the data you want to delete.
2. Use the search functions to recall the data you want to delete.
3. Press FUNCTION.
4. Use ▲ or ▼ to select "Delete", and press EXE.
5. Use ▲ to select "1 Data", and press EXE.

Telephone Directory Business Mode

```
 ▢Delete OK?
 ▱▱

                    Yes / No
               ✔
```

6. Press ◀ to select "Yes", and press EXE.
• To abort the delete operation, select "No", and press EXE.
7. After the delete operation is complete, the new data input prompt
   for the mode you are in appears on the display.

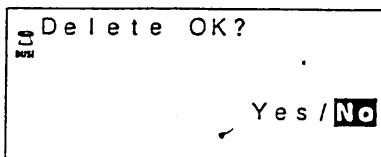## To delete all data in a specific mode

1. Enter the mode whose data you want to delete.
2. Press Δ or ∇ to display data.
3. Press FUNCTION.

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4. Use ▲ or ▼ to select "Delete" then press EXE.
5. Use ▼ to select "Mode Data" then press EXE.

Schedule Mode

```
  Delete OK?

 ⊖
                   Yes / No
```

6. Press ◀ to select "Yes" and press EXE.
• To abort the delete operation, select "No" and press EXE.
7. After the delete operation is complete, the new data input prompt
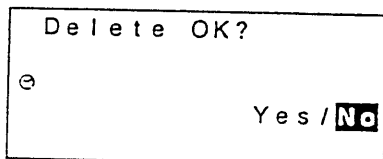   for the mode you are in appears on the display.

The SF-A10 also gives you the capability to perform mathematical
operations.

Entering the Calculator Mode

To enter the Calculator Mode, select the Calculator Mode icon from
the main menu screen, and press EXE.

• Double entry of an operator (+, −, ×, ÷) makes the numeric
  value followed by the double entry a constant.
• The following indicators also appear on the display:
  M—with a value: Indicates that the displayed value is stored in
                  the independent memory.
  K: Indicates that a constant calculation is being performed.
  E: Indicates that an error has occurred.
• Right shift key (▶)
  Shifts the displayed value to the right, deleting the rightmost digit.
• You can clear an error and continue with the current calculation
  by pressing C. You can clear the error along with the current
  calculation by pressing AC.

Corrections

• Clear the last numeric entry by pressing the C key immediately
  after making the initial entry.
• You can correct the last arithmetic operator entry (+, −, ×,
  ÷) by pressing the correct arithmetic operator key immediately
  after making the initial entry.
• Press AC to clear an entire calculation, including calculation
  memory contents.
• Pressing MC (memory clear) key clears memory contents.

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About calculation capacity

Any of the following condition will cause the "E" indicator to appear
on the display to indicate that the capacity of the calculator is
exceeded. Note that memory contents are protected, and the total
accumulated so far can be recalled by pressing MR (for the indepen-
dent memory) after the error is cleared.

• Whenever the integer part of a result (whether intermediate or
  final) is longer than 10 digits. In this case, the display shows the
  10 most significant digits of the result. The true decimal point
  of the result is 10 places to the right of the decimal position shown
  in this display.
• Whenever the integer part of a total being accumulated in the
  independent memory is longer than 10 digits.

Calculation Examples

Example	Operation	Display
53 + 123 − 63 −	53 ⊞ 125 (Error) [AC]	0.
		125.
	[C]123	123.
	⊟ 63 ⊟	113.
963 × (23 − 56) −	23 ⊟ 56 ⊠ 963 ⊟	−31779.
(56 × 3 − 89) ÷ 5.2 + 63 −	56 ⊠ 3 ⊟ 89 ⊡ 5.2	
	⊞ 63 ⊟	78.19230769
123456 × 741852 −	123456 ⊠ 741852 ⊟	E 9.158608051
	[C]	9.158608051
√3 × 5 −	3 √ ⊠ 5 ⊟ [AC]	0.
		8.660254035
12 ÷ 23 −	23 ⊞ ⊞ 12 ⊟	K − 35.
45 ÷ 23 −	45 ⊟	K − 68.
78 ÷ 23 −	78 ⊟	K − 101.
7 ÷ 5.6 −	5.6 ⊟ ⊟ 7 ⊟	K − 1.4
2 ÷ 5.6 −	2 ⊟	K − −3.6
2.3 × 12 −	12 ⊠ ⊠ 2.3 ⊟	K × 27.6
4.5 × 12 −	4.5 ⊟	K × 54.
45 ÷ 9.6 −	9.6 ⊟ ⊟ 45 ⊟	K ÷ 4.6875
78 ÷ 9.6 −	78 ⊟	K ÷ 8.125

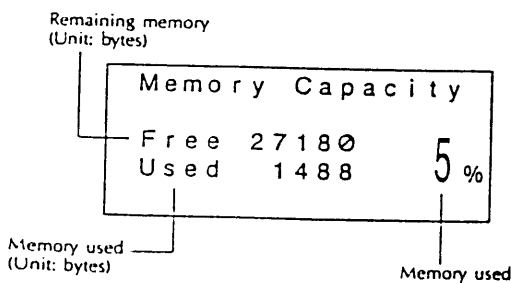| Example	Operation	Display
12% of 1500	1500 ⊠ 12 ⧖	180
Percentage of 660 against 880	660 ⊟ 880 ⧖	75.
15% add-on of 2500	2500 ⊠ 15 ⧖ ⊞	2875.
25% discount of 3500	3500 ⊠ 25 ⧖ ⊟	2625
What will the selling price and profit be when the purchasing price of an item is $480 and the profit rate to the selling price is 25%?	480 ⊞ 25 ⧖ ⊟	640 160.
4% mark-down of 130	130 ⊟ 4 ⧖ ⧖	125.
If you made $80 last week and $100 this week, what is the percent increase?	100 ⊟ 80 ⧖	25.
80 × 9 = 720 −150 × 6 = 300 20 × 3 = 60 ————— 480	⧖ 80 ⊠ 9 ⧖ 50 ⊠ 6 ⧖ 20 ⊠ 3 ⧖ ⧖	M=720. 720. M=420. 300. M=480. 60. M=480. 480.

14 ≡ Technical Reference

Memory Capacity Screen

Use the following procedures to check the status of the memory. One procedure displays the amount of memory used and the how much memory is remaining. The other shows you how many data items you have stored in each mode.

To display the memory capacity

1. While the main menu is displayed, or any time you are in the Telephone Directory, Schedule, Data Memo, or Calendar mode, press FUNCTION.
2. Use ▲ and ▼ to select "Memory Capacity" and then press EXE.

Remaining memory
(Unit: bytes)

```
  Memory  Capacity

  Free   27180
                     5 %
  Used    1488
```

Memory used
(Unit: bytes)

Memory used

* The memory values shown above are the total for both the open memory area and the secret memory area.
* Press AC to clear the memory capacity screen.

To display the number of items in each mode

1. While the main menu is displayed, press FUNCTION.
2. Use ▲ and ▼ to select "Number of Items" and then press EXE.

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Open Memory Area

```
  Tel(Busi)    :      50
  Tel(Pers)    :      27
  Schedule     :       8
  Data  Memo   :     104
```

Secret Memory Area

```
  Tel(Busi)    :       3
  Tel(Pers)    :       4
  Schedule     :       2
 ◄Data  Memo   :      11
```

* If you perform the above procedure while in the open memory area, the number of items stored in the open memory area only are displayed. To see the number of items in the secret memory area, you must perform the above operation while accessing the secret memory area.

How memory capacity is calculated

You can store up to 28,668 bytes of data in memory. There is no limit on the amount of memory you can use in each mode, but the total amount of data stored is 28,668 bytes. The following shows how many bytes the data in each mode takes up. One character (each newline operation counts as a character also) takes up one byte.

Mode	Bytes per Data Item
Telephone Directory	(name) + (telephone number) + (address, etc.) + 4
Schedule	(description) + 12
Calendar	6 bytes per calendar that contains highlighted dates
Data Memo	(memo name) + (memo contents) + 3

Examples:

Telephone Directory
When all items use 8 characters for the name, 10 characters for the phone number, and 20 characters of the address, you can store approximately 680 items.

Schedule
When all items use 20 characters, you can store approximately 890 items.

Data Memo
When all items use 10 characters for the memo name and 10 characters for the memo content, you can store approximately 1,240 items.

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Sort Sequence

The following table shows the sequence used for sorting data in the Telephone Directory and the Data Memo Mode.

#		#		#		#		#		#		#	
1	§	30	8	59	U	88	s	117	É	146	∞	175	ď
2	—	31	9	60	V	89	t	118	Ì	147	ò	176	ñ
3	—	32	:	61	W	90	u	119	Ò	148	Å	177	í
4	÷	33	;	62	X	91	v	120	Ù	149	É	178	ś
5	×	34	<	63	Y	92	w	121	Ç	150	Î	179	ť
6	Space	35	=	64	Z	93	x	122	Ł	151	Ô	180	Ą
7	!	36	>	65	„	94	y	123	Ż	152	Ü	181	Ę
8	..	37	?	66	¥	95	z	124	à	153	Á	182	Ć
9	≠	38	@	67	"	96	◄	125	è	154	Ů	183	Ń
10	$	39	A	68	¡	97	£	126	ì	155	Ű	184	Ś
11	%	40	B	69	¿	98	►	127	ò	156	å	185	Ý
12	&	41	C	70	a	99	─	128	ù	157	ê	186	Ź
13	'	42	D	71	b	100	Á	129	ç	158	î	187	Ż
14	(	43	E	72	c	101	É	130	ê	159	ô	188	ą
15	)	44	F	73	d	102	Í	131	ż·	160	û	189	ę
16	*	45	G	74	e	103	Ó	132	Ã	161	å	190	ć
17	+	46	H	75	f	104	Ú	133	Ê	162	ů	191	ń
18	,	47	I	76	g	105	Ã⁻	134	Î	163	ũ	192	ś
19	-	48	J	77	h	106	Õ	135	Ô	164	Ä	193	ý
20	.	49	K	78	i	107	Ñ	136	Û	165	É	194	ź
21	/	50	L	79	j	108	á	137	Æ	166	Ç	195	ż
22	0	51	M	80	k	109	é	138	Œ	167	Ď	196	Ø
23	1	52	N	81	l	110	í	139	Ô	168	Ñ	197	ø
24	2	53	O	82	m	111	ó	140	ã	169	Ř	198	ß
25	3	54	P	83	n	112	ú	141	ê	170	Ś		
26	4	55	Q	84	o	113	ã	142	î	171	Ť		
27	5	56	R	85	p	114	õ	143	ô	172	å		
28	6	57	S	86	q	115	ñ	144	û	173	ê		
29	7	58	T	87	r	116	À	145	æ	174	č		

Error Messages

Message	Meaning	Action
Memory Full!	Not enough room to store the data you are trying to save.	Press AC and then delete data you no longer need from memory.
No Record!	You tried to perform a search operation while there is no data stored in memory.	Input data before attempting search operations.
Not Found!	There is no data that matches your search specification.	Press ◄ or ► to recall your search data. You can then edit the previous data or input new data.
Password Mismatch!	The password you input to access the secret memory area does not match the one that is registered.	Input the password correctly.
Main Battery Getting Weak! Replace it!	The main battery is weak.	Replace the battery in accordance with the instructions on page 13 of this manual.
Send Error! Receive Error!	Poor connections or some other problem has caused data transfer be aborted.	Correct the problem and try again.

15 ≡ Data Communication

You can use an optionally available CASIO SB-62 Data Communication Cable to connect two SF-A10 units and exchange data between them.

Important!
Data communication is possible between two SF-A10 units only.

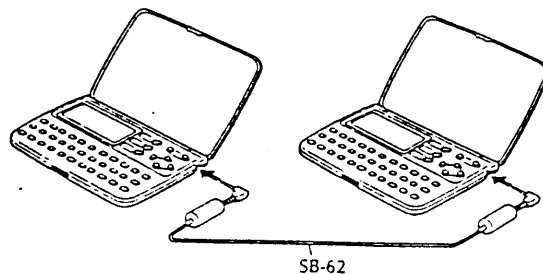| Data Type	How received data is stored
Telephone Directory Data Memo Schedule	Appended to existing data.
Calendar	Replaces existing data. If a received month has no highlighting, the highlighting data in the receiving unit is retained as is.

To set up for data communication

1. Switch off the power of both the sending unit and the receiving unit.
2. Remove the connector covers of both units.
3. Connect the two units using a CASIO SB-62 Data Communications Cable.

* Be sure to securely insert the connectors of the cable into the SF-A10 units.

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4. Switch on the power of the sending unit and the receiving unit.

To set up the receiving unit

1. While the main menu is displayed, or during a Data Display in the Telephone Directory, Schedule, Data Memo, or Calendar mode, press FUNCTION.
2. Use ▼ to select "Communication" and then press EXE.
3. Use ▲ and ▼ to select "Receive Data" and then press EXE.
4. Perform the send operation on the sending unit as described on page 78.

* Once the data communication operation is complete, the main menu reappears on the display.

Conversion Mode

Six built-in conversion pairs (4-character unit name + 10 digit rate; user-definable)

Calculation

10-digit arithmetic calculations; constant calculations, memory calculations; 20-digit approximations; percentage calculations; square roots; sign changes; function command signs

Other functions

Contrast adjustment

General

Display: liquid crystal display
Memory Capacity: 28,668 bytes
Power supply: Two lithium batteries (CR2032) ... Main and Back-up
Power consumption: 0.05W
Battery life:
   Main battery — approximately 7,000 hours (1 hour use per day)
   Back-up battery — approximately 3 years after the low main
                  battery warning appears on the display
Auto power off: Approximately 6 minutes after last key operation
Ambient temperature range: 0°C ~ 40°C (32°F – 104°F)
Dimensions: Open: 9.3 (H) × 120 (W) × 160 (D) mm
               ($^3/_8$" (H) × 4$^3/_4$" (W) × 6$^1/_4$" (D))
         Closed: 12.7 (H) × 120 (W) × 82.5 (D) mm
               ($^1/_2$" (H) × 4$^3/_4$" (W) × 3$^1/_4$" (D))
Weight: 89 g (3.1 oz) including batteries