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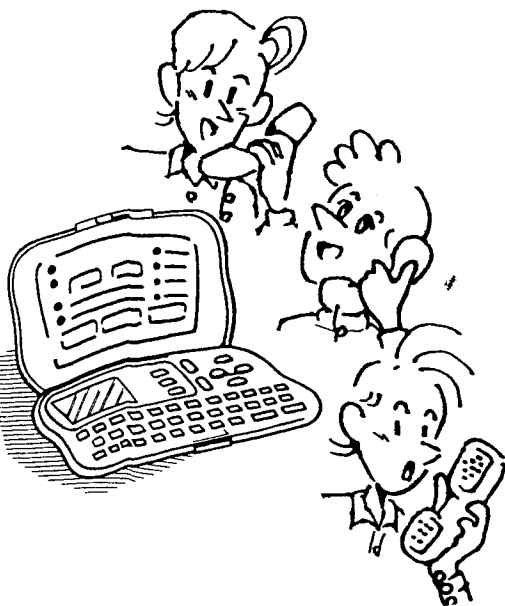
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CASIO COMPUTER CO., LTD.
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CASIO

my magic diary
JD-5000

OPERATION MANUAL
MANUAL DE OPERACION
MODE D'EMPLOI



CASIO

master

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 JD-5000 to JD-5000, SF-A10, SF-A20 or SF-A30

English

Introduction

Thank-you for purchasing My Magic Diary. Before trying to use it, be sure to read this instruction manual carefully. Then keep this manual in a safe place, so you can refer to it whenever you need to do so.

My Magic Diary can produce display messages in any one of five languages: English, Spanish, Italian, German, and French. All of the display messages shown in this manual are in English.

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About	

A 10-digit calculator performs most common numerical operations including percents, square roots and memory.



Telephone Directory Mode

Use this to keep names, phone numbers, and addresses. There are two storage areas, so you can keep school and personal data separate. You can also include fun faces of the people whose names and addresses you keep.



Schedule Mode

Stores the date, time, and type of each appointment. You can select icons to indicate each appointment at a glance.



Calendar Mode

Displays the calendar for any month from January, 1901, to December, 2099. You can specify holidays for highlighting.



Data Memo "Diary" Mode

Stores notes and special thoughts. Diary entry consists of a memo name and the memo's contents.



Secret Memory Area

Stores your private thoughts you wish to keep confidential. No one can gain access to the Secret Memory Area without knowing your password.

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Timekeeping Mode

Home Time displays the current time where you are. World Time shows the time in any of 29 zones around the globe. You can use 24-hour or 12-hour format, and can even specify daylight savings time.



Alarm Mode

Lets you set alarms to the minute, for alarms to go off every hour, or for a single time each day. You can also set the Schedule Alarm and control the key input tone.



Fortune Telling Mode

Once you have entered your birthday, you can check your fortune today, or for any day. Have fun telling your friend's fortune too.



Match Maker Mode

Tells you whether or not you are compatible with that special someone.



Conversion Mode

Helps you compare US dollar values against six foreign currencies (monies), or with combinations of currency units.



Calculator Mode

A 10-digit calculator performs most common numerical operations including percents, square roots and memory.

E-7

Data Communication Function

Exchanges data with another unit. To communicate with a friend, you'll need an optional SB-62 communication cable to connect My Magic Diary to another.

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Chapter 2 Before Using My Magic Diary

Very important stuff! Here's where we tell you how not to lose important data stored in memory. Also, be sure to perform the all-reset operation before using My Magic Diary for the first time. The all-reset operation is described on page E-11.

Please be sure you understand the following before using My Magic Diary.

Make back-up copies of important data!

The electronic memory in My Magic Diary stores and recalls information quickly and easily. But that information is retained only as long as power is supplied by the batteries. Should the batteries go dead, or should you remove both batteries at the same time, data stored in memory can be lost entirely. Data can also be corrupted or lost due to a 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.
- Avoid use or storage in very low temperatures. This may cause display response to slow down or fail entirely. Very low temperatures can also shorten battery life.
- Avoid use or storage in very high temperatures. Even prolonged exposure to direct sunlight can damage the unit. Leaving it on the dashboard of a closed car, or on a heater, is even worse.

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- Avoid using or storing the unit where there is high humidity or a lot 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 it in your back pocket, for instance, can subject My Magic Diary to abnormal bending and twisting.
- Never try to take the unit apart.
- Do not press the unit's keys with a pen, pencil, or other sharp object.
- To clean My Magic Diary, wipe it with a soft cloth. When necessary, you may wipe the exterior with a soft cloth that has been dipped in a weak solution of a mild, neutral detergent and water.
- Never use strong liquid cleaners such as lacquer thinner or benzine to clean the unit.
- In no event will CASIO or 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.

Reset Operations

Two kinds of reset operations can be performed:

- *All-reset operation* deletes all data in memory.
- *Secret-reset operation* deletes only your password and the data in the Secret Memory Area.

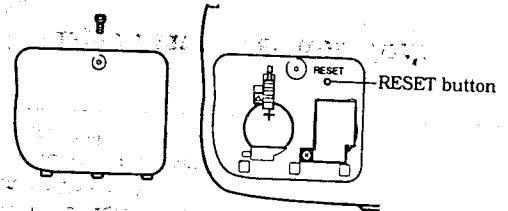
E-10

Important!

- Do not use a very sharp pencil to press the **RESET** button. Doing so can damage My Magic Diary.
- Be sure to perform the all-reset operation before you use My Magic Diary for the first time.

To Perform All-Reset:

1. Switch the power off.
2. Remove the screw that holds the battery compartment cover in place, then remove the battery compartment cover.



3. Press the **RESET** button on the back of My Magic Diary with a thin, pointed object.
4. Press **▼** to select "Reset," then press **EXE**.
5. Press **◀** to select "Yes," then press **EXE**.
6. The main menu will appear and all data will be deleted.
7. Replace the battery compartment cover and the screw that secures it in place.

If you want to cancel the reset operation immediately after you have pressed the **RESET** button, select "Exit," then press **EXE**.

E-11

To Perform Secret Reset:

- Perform the steps described under "To Perform All-reset" above, but select "Del Secret Data" in place of "Reset" in step 4.

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
Hourly Time Signal: OFF
Key Input Tone: ON
Date Format: Month/Day/Year
Language: English

When My Magic Diary Does Not Work Correctly ...

If My Magic Diary is jolted by a strong electrostatic charge or by severe impact, it may not work properly. In such a case, perform the following operation:

1. Remove the screw that holds the battery compartment cover in place and remove the battery compartment cover.
2. Press the **RESET** button with a thin, pointed object.
3. Look for the message, "Exit," to be highlighted on the display.
4. Press **EXE**. Now the message, "Check time!" should be on the display.

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About the "Check time!" Display

When the message, "Check time!" appears on the display, press any key to display the current time. Make sure My Magic Diary has the correct time before performing any other operation. If the setting is not correct, use the procedure on page E-58 to change it.

Low Battery Warning

The message, "Main Battery Getting Weak! Replace it!" appears whenever battery power drops below a certain level. Replace the main battery immediately after this message appears.

Whenever the low battery warning message appears, the **OFF** key will be the only function that works. If you don't turn the unit off yourself, power will switch off automatically about 30 seconds after the low battery warning appears.

Replacing Batteries

This unit is powered by two batteries, both of which are type CR2032. One is the main battery, and the other is the back-up battery. The main battery provides power for normal operations. The back-up battery protects data stored in memory.

Memory contents are lost when both the main battery and the back-up battery are removed. Be sure always to leave one of the batteries in place to protect memory contents. If, however, you remove the main battery for any time, memory retention will depend entirely on the condition of the back-up battery. Over a long period of time with just the back-up battery in place, memory contents are likely to be damaged. If memory seems corrupted, clear it using the RESET procedure described on page E-10.

E-13

Important!

Incorrect use of batteries can cause them to burst or leak, possibly damaging the interior of My Magic Diary. 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 expect not to be using My Magic Diary for a long period of time.
- To avoid damage to the unit from leaky batteries, replace the main battery at least every five years, and the back-up battery every three years. Batteries should be replaced no matter how much you use the unit during that time.

Warning!

- Never try to recharge the batteries supplied with My Magic Diary.
- Do not expose batteries to direct heat, short-circuit them, or try to take them apart.
- Keep batteries out of the reach of small children. If swallowed, consult a physician immediately.

To Replace the Main Battery:

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

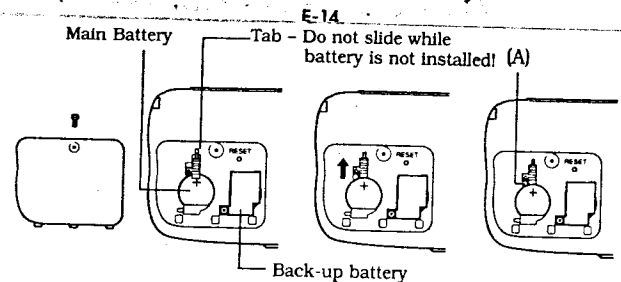


Figure 1

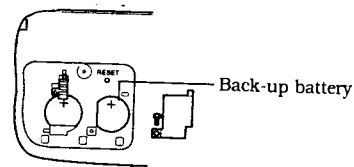
Figure 2

Figure 3

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

To Replace the Back-Up Battery:

1. Switch power off, remove the screw that holds the battery compartment cover in place, then remove the battery compartment cover.
2. Remove the screw that holds the back-up battery cover in place. Remove the cover. Then remove the old battery.



3. Wipe the surfaces of a new battery with a soft, dry cloth. Insert the new battery into the My Magic Diary, making sure that its positive (+) side is facing up (so that you can see it).
4. Replace the back-up battery cover and secure it in place with its screw. Press down on the cover as you replace the screw.
5. Replace the battery compartment cover and the screw that secures it in place.

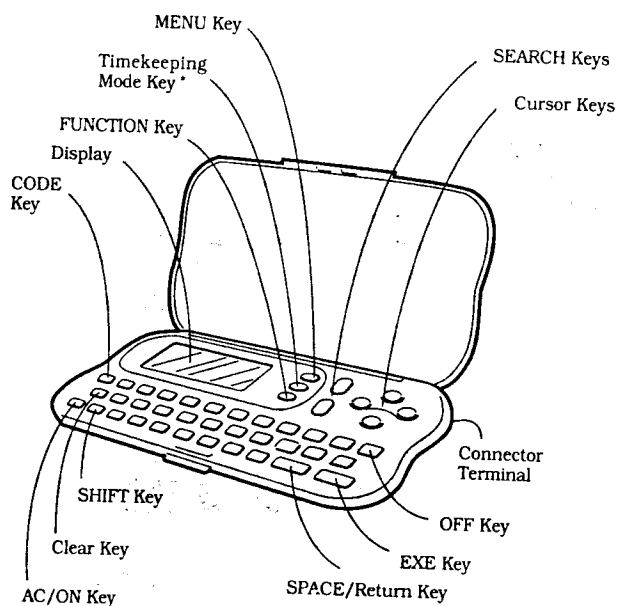
Auto Power Off Function

This function automatically switches off the power if you do not touch any of the unit's keys for about six minutes. To restore power, press **AC/ON**.

If you do not touch any keys for six minutes while entering or editing data, setting the current time, or setting an alarm time, power cuts off without storing the data.

If you have set an alarm to go off, and the unit has been shut down by auto power off, the alarm will sound anyway at its appropriate time.

Chapter 3 General Guide

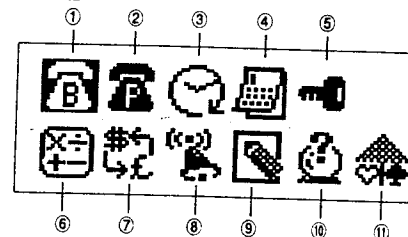


- * In this manual, all references to the **HOME TIME/WORLD TIME** key are indicated by **TIME**.

Displaying the Main Menu

The main menu appears on the display when you switch the power on. Whenever you are viewing any other screen, you can always press **MENU** to return to the main menu.

Main Menu



Menu Icons

- | | |
|--|--------------------------|
| ① Telephone Directory | ⑥ Calculator Mode |
| ② Telephone Directory School and Business Mode | ⑦ Conversion Mode |
| ③ Telephone Directory Personal Mode | ⑧ Alarm Mode |
| ④ Schedule Mode | ⑨ Data Memo "Diary" Mode |
| ⑤ Calendar Mode | ⑩ Fortune Telling Mode |
| | ⑪ Match Maker Mode |

Changing Modes

To change modes:

1. Display the main menu.
2. The icon of the current mode is highlighted on the display. Use **▲**, **▼**, **◀**, and **▶** to select another menu icon.
3. When you have highlighted the mode you wish to select, press **EXE**.

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

Using the FUNCTION Key

To view the function menu, press **FUNCTION**.

To select a function:

1. Use **▲** or **▼** to highlight the function you want to choose.
2. Press **EXE**.

If another function menu appears repeat steps 1 and 2.

To backstep to a previous display, press **FUNCTION**.

To exit the function menu, press **AC**.

Setting the System Language

My Magic Diary can produce display messages in any one of five languages: English, Spanish, Italian, German, and French, although, the display messages shown in this manual are in English.

To set the system to another language:


1. Display the main menu.
2. Press **FUNCTION**, then use **▲** or **▼** to highlight "Language." Press **EXE**.

3. Use ▲ or ▼ to highlight the language you want. Press **EXE**.

To Adjust the Display Contrast

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

To Switch the Key Input Tone On or Off

1. Display the main menu.
2. Use ▲, ▼, ◀, and ▶ to highlight . Press **EXE**.
3. Press **FUNCTION**. Then use ▼ to highlight "Sound." Press **EXE**.
4. Use ▼ to highlight "Key Tone." Use ◀ and ▶ to switch the key tone on and off. Press **EXE**.

Chapter 4 Entering Data

You can enter letters, symbols, and other characters in Telephone Directory Mode, Schedule Mode, Data Memo "Diary" Mode, and Conversion Mode. You can enter numbers in all modes.

Entering Letters and Numbers

Press the keys marked with the alphabetic and numeric characters that you want to enter. Each key is used for two different characters. Press the **ALPHA/NUM** key to switch between alphabetic and numeric input. When My Magic Diary is in alphabetic mode, "A" is shown on the display. In numeric mode, "1" is shown.

Example:



ALPHA mode: R
NUM mode: 4

Switching Between Upper- and Lower-Case Letters

The unit's default setting uses lower-case letters. To type a single upper-case letter, press **SHIFT** before typing the letter. An "S" will appear on the display while the keys are shifted to upper case.

If you want to type many upper-case (capitalized) letters, press **FUNCTION**; then use ▲ or ▼ to highlight "CAPS"; then press **EXE**. When "CAPS" has been selected, "CAPS" appears on the display. To return to lower-case letters, perform the same operation again to cancel "CAPS".

To type a single lower-case letter while the display indicates that "CAPS" are in use, press **SHIFT** before typing the letter.

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

Entering Symbols and Other Characters

To type a period, or +, -, ×, ÷, and %, set My Magic Diary to numeric mode and press the keys marked with the symbols you wish to type. To enter a space, press **SPACE**.

Entering Symbols and Letters with the Function Menu

Select the "Symbols" option on the function menu to use any of the following symbols and letters:

\$	£	¥	§	&	#	*	@
!	?	¡	¿	~	/	←	→
,	"	:	;	'	"	"	ø
▼	(	)	<	>	◀	▶	ß

▲	Á	É	Í	Ó	Ú	Ã	Õ	Ñ
	á	é	í	ó	ú	ã	õ	ñ
	À	È	Ì	Ò	Ù	Ç	Ł	Ż
▼	à	è	ì	ò	ù	ç	ł	ż

▲	Ä	Ë	İ	Ö	Ü	Æ	Œ	Œ
	ä	ë	ı	ö	ü	æ	œ	œ
	Å	Ê	Î	Ô	Û	À	Ù	Û
▼	å	ê	î	ô	û	à	ù	û

▲	Â	Ê	Ç	Ð	Ñ	Ŕ	Ŝ	Ţ
	â	ê	ç	ð	ñ	ŕ	ŝ	ţ
	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ
▼	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ	Ȧ

Here's how to type these symbols and letters:

1. Press **FUNCTION**. Use ▲ to highlight "Symbols." Press **EXE**.
2. Use ▲, ▼, ◀, and ▶ to highlight the symbol or letter you want to use.
3. Press **EXE**.

There is more than one screen of choices; if you want to change screens to find the character quickly, use △ and ▽ to change screens.

Entering Characters with the CODE Key

Another way to type in foreign language characters is to use the **CODE** key in combination with other keys. The following table shows the characters that can be typed with the **CODE** key.

Key Operation	Input
CODE 1 [A, E, I, O, U]	á, é, í, ó, ú
CODE 2 [A, E, I, O, U]	â, ê, î, ô, û
CODE 3 [A, E, I, O, U]	ã, ë, ï, õ, ü
CODE 4 [A, E, I, O, U]	ä, è, ì, ö, ù
CODE 5 [A, N, O]	ā, ñ, ō
CODE 6	œ
CODE 7	ç
CODE 8	β

All of the characters in this table, except for β (created with **CODE** 8), can also be typed as capitals. Simply use the **SHIFT** key or select "CAPS," as described on page E-21.


If you use a **CODE** key with a character not shown in the table above, this will simply produce that character as it normally appears.

Entering Icons (Schedule Mode Only)

There are 36 icons available for use only in Schedule Mode. See page E-35 for a list of these icons. To use one of them:

1. Press **FUNCTION**. Then use ▲ to highlight "Icons." Press **EXE**.
2. Use ▲, ▼, ◀, and ▶ to highlight the icon you want to use. Use △ and ▽ to change screens.
3. Press **EXE**.

Changing Lines

To change to the next line while entering data, press **SHIFT**, then . A "↵" will appear on the display.

Rewriting Something You Have Just Typed

Use ▲, ▼, ◀, and ▶ to move the cursor to a character you want to change, then simply write over it.

To Delete a Character

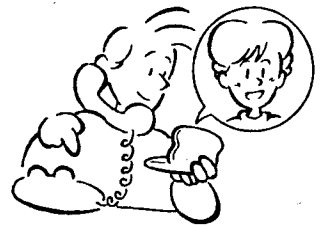
1. Use ▲, ▼, ◀, and ▶ to move the cursor to the character you want to delete.
2. Press **SHIFT**.
3. Press ◀ (**DEL**).

To Insert a Character

1. Use ▲, ▼, ◀, and ▶ to move the cursor to wherever you wish to insert a character.
2. Press **SHIFT**.
3. Press ▶ (**INS**). A single space will appear at the cursor position.
4. Type the character you want to insert.

Chapter 5 The Telephone Directory Modes

There are two Telephone Directory Modes: school/business and personal. In each, in addition to names and addresses, you can include Fun Faces of the people whose names and addresses you want to keep. The two Telephone Directory Modes work exactly alike; having two simply allows you to keep two separate lists, if you want. Each listing in either directory can include text of up to 380 characters. My Magic Diary sorts names automatically. Enter the last name to quickly find your name.



Entering One of the Telephone Directory Modes

Enter the Telephone Directory Modes from the main menu.


1. Highlight either the school/business directory icon or the personal directory icon.
2. Press **EXE**.

Telephone Directory Mode Indicator
(School/Business Mode)

Name

Telephone
Number

Address etc.

JACKSON ERI		
1 2 3 - 4 5 6 7	5 7 0 Casio A	
▼ Seattle WA		

Portrait

Data Continue Below

To display the data below, press ▼.

The display in Telephone Directory Mode.

To switch between a display which shows only data, and a display showing a picture along with the data, press **EXE** while the data are displayed.

The Fun Face Maker

The Fun Face Maker function lets you combine various facial features to create portraits of the people whose names, addresses, and phone numbers you store in one of your telephone directories. Each facial feature is numbered for easy identification. The following table shows how many variations are available for each feature.

Feature	Variations	Feature	Variations
Hair	60	Mouth	50
Bangs	58	Outline	42
Eyebrows	55	Glasses	11
Eyes	55	Mustache	16
Nose	42	Beard	11

Entering Telephone Directory Data

So that you can learn how to make your own directory entries, we'll take a sample directory listing step by step. We'll enter a listing for Eric Jackson:

JACKSON ERIC
123-4567
570 Casio Avenue
Seattle WA 90904

Portrait:



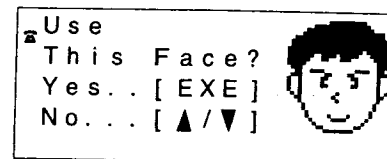
Here are the steps:

1. Go into one of the phone directories, as described above.
2. Type: JACKSON SPACE ERIC **EXE**
3. Type: 123-4567 **EXE**
4. Type: 570 SPACE ALPHA/NUM C FUNCTION ▲ or ▼
(to select "CAPS") **EXE** A S I O SPACE SHIFT
A V E N U E SHIFT S E A T T L E SPACE SHIFT
W SHIFT A SPACE ALPHA/NUM 9 0 9 0 4 **EXE**

If you type in five or more lines, the top line will scroll off the display, and the indicator "▲" will appear on the left side of the screen.

▲ Make Portrait?
Yes / No

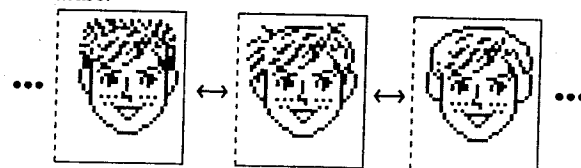
5. Use ◀ and ▶ to select "Yes" or "No." Then press **EXE**.



6. To change the face shown on the display, use ▲ or ▼. Then press **EXE**.
7. Use ▲ or ▼ to choose among the various features.

Hair ↔ Bangs ↔ Eyebrows ↔ Eyes ↔ Nose ↔ Mouth
└── Beard ↔ Mustache ↔ Glasses ↔ Outline ──┘

8. When a feature screen is shown, use ◀ and ▶ to change the feature.



9. Press **EXE** to store the data.
10. "Name?" now appears on the display, to prompt input of the next directory listing.

Pressing **C/CLR** or **AC/ON**

If you attempt to store more data than there is room for, the message, "Memory Full!" will appear on the display. Further input will be impossible. If this happens, press **AC/ON** to clear the message. Then delete unnecessary data (see page E-74), and try entering the data again.

If you press **AC/ON** or **C/CLR** during data display, "Name?" will appear on the display.

If you press **C/CLR** while entering data, the screen that requests, "Name?," "Number?," or "Address etc.," will reappear. If you press **AC/ON** while you are entering data, "Name?" will appear on the display.

Automatic Sorting

All of the listings you enter in a directory are automatically sorted alphabetically, by name. See the table on page E-87 for the sort sequence.

Recalling Telephone Directory Data

There are two ways to recall telephone directory data:

- sequential search
- initial character search.

To recall data using sequential search:

1. Enter the school/business or personal directory mode.
2. Use Δ and ∇ to search through your listings, one after another alphabetically.

If you hold down Δ or ∇ , the My Magic Diary will scroll through your directory at high speed.

If you have no entries recorded in the directory, the message, "No Record!" will appear on screen.

To recall data using initial character search:

1. Enter the school/business or personal directory mode.
2. Type in the first few letters of a listed name. For example, to find Jackson Eric type: J A C K. Then press Δ or ∇ .

If you press ∇ , the unit will display the first directory listing with the initial characters that you typed. If you press Δ , the unit will display the last directory listing with the initial characters that you typed.

You may find Eric Jackson, in our example, on the first try. Or you may also have listings for Wolfman Jack and President Andrew Jackson. You would then find one of those entries first, depending on whether you touched Δ or ∇ .

You can use up to 16 characters in an initial character search. So, you could also type in Eric Jackson's entire name, to narrow down the search.

If the entry you are looking for cannot be found, the message, "Not Found!" will appear on the display. If this happens, press \blacktriangleleft or \blacktriangleright to return to the display as it was before you started the search. Then you might want to try again with a different spelling; maybe you forgot exactly how you spelled the name when you entered it.

Use this mode to plan your schedule of classes, homework appointments, etc. You can record the date, time, and type of appointment for each listing. Dates on which you have scheduled things are automatically marked on the calendar (page E-40). You can also use the main menu to see if you have had an appointment today.



Entering the Schedule Mode

There are two main ways to get into the Schedule Mode: directly, or through the Calendar Mode.

To go directly into Schedule Mode:

- On the main menu, highlight the Schedule Mode icon. Then press **EXE**. Appointments scheduled for the current date will be shown on screen.

To enter the Schedule Mode quickly, by way of the Calendar Mode:

- On the main menu, highlight the Calendar Mode icon. Then press **EXE** twice. The first time you press **EXE**, it will put you in Calendar Mode; the second time, it will put you in Schedule Mode.

To enter the Schedule Mode for a specific date:

- While in the Calendar Mode, select a date with the calendar's date cursor. (See page E-46, "To move the Date Cursor.") Then press **EXE**. You will enter the Schedule Mode for the date you have selected, with appointments shown on screen.

	Date	Day of the Week	
Schedule Mode Indicator	JUL / 17 / 1993	< SAT >	
Icon	11:00 am ~ 3:00 pm	BIRTHDAY PARTY	Schedule Time
			Description

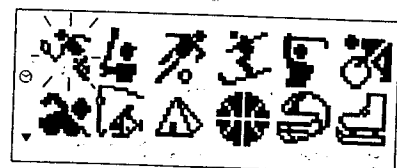
Data continue below

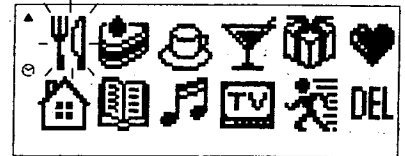
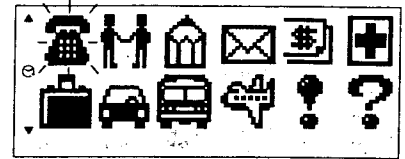
To display the data below, press **▼**.

The display in Schedule Mode. Days that you have noted as holidays are enclosed in << >>. You can decide on your own date format in the Timekeeping Mode — see page E-59.

Icons

The Schedule Mode gives you a selection of small images, or icons, so that you can understand at a glance what appointments you have scheduled for any day. All of the available icons are shown below. When you schedule any appointment, use whatever icon you wish to represent it.






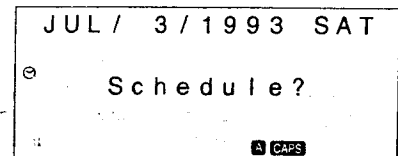
Delete Icon

Select this **DEL** icon to delete any other icon from your schedule.

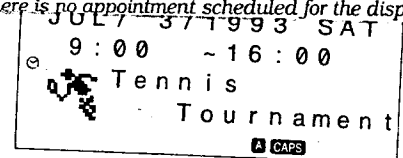
Entering Schedule Data

Let's say you want to note that you have a birthday party to attend on July 17, 1993. You're supposed to be there at 11:00 in the morning, and the party should run till about 3:00 in the afternoon. We've got a good icon for birthday parties: .

When you enter the Schedule Mode, the display looks like this:



When there is no appointment scheduled for the displayed date.



When there is an appointment scheduled for the displayed date.

Specifying a Date

The first thing you need to do, in order to schedule that party, is tell My Magic Diary the date when it will happen. There are two ways to do this:

- Scrolling
- Direct input.

To select a date using the scrolling method:


- Use Δ and ∇ to scroll past the days until the date you want is displayed.

To select a date using the direct input method:

1. Press **FUNCTION**. Then use Δ or ∇ to highlight "Date". Press **EXE**.
2. Type in the desired date, within the format you've chosen in Timekeeping Mode (see page E-59). For our birthday party — you'd type: 0 7 1 7 1 9 9 3. Then press **EXE**.

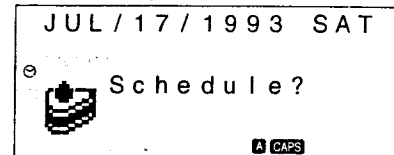
Using an Icon

The next step in scheduling our party would be to enter an appropriate icon for quick reference. To do this:

1. Press **FUNCTION**. Then use **▲** to highlight "Icons".
2. Press **EXE**.
3. Press **▲**, **▼**, **◀**, and **▶** until you have highlighted .
4. Press **EXE**.

Describing the Event

Now you'll want to type in a verbal description of the event. You can use up to 372 characters for the description. If you input three or more lines of text, the topmost line will scroll off the top of the display, and "▲" will be displayed in the screen's upper left corner.



For our party, type in: **BIRTHDAY SHIFT**  **PARTY EXE**.

Specifying the Time

Type in the desired time, within the format you've chosen in Timekeeping Mode (see page E-59). For our birthday party — and assuming you've chosen this format in Timekeeping — you'd type:

2. If you have set the My Magic Diary for 12-hour timekeeping, you'll need to press **AM/PM** until the display reads "11:00 am."
3. You don't need to specify an end time. But, since we want to do so here, type in 0300, if you are on 12-hour timekeeping, and then press **AM/PM** until the display reads "3:00 pm." If you are on 24-hour timekeeping, type in 1500. In either case, afterwards press **EXE**.
4. "Schedule?" will appear on the display. My Magic Diary is asking if you would like to schedule another appointment, since you're done scheduling this one.

Pressing C/CLR or AC/ON

If you attempt to store more data than there is room for, the message, "Memory Full!" will appear on the display. Further input will be impossible. If this happens, press **AC/ON** to clear the message. Then delete unnecessary data (see page E-74), and try entering the data again.

If you press **AC/ON** or **C/CLR** during data display, "Schedule?" will appear on the display.

If you press **C/CLR** while entering data, the screen that requests, "Schedule?," "Time?," will reappear. If you press **AC/ON** while you are entering data, "Schedule?" will appear on the display.

Scheduling an Alarm

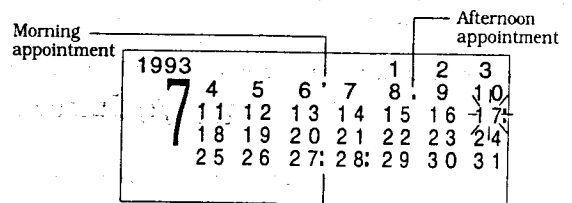
You can set an alarm to sound for 20 seconds at the time of any appointment. See page E-65 for details on switching alarms on and off.

Automatic Sorting

Appointments noted on a day, but without a time assigned, are located at the beginning of that day's schedule. When the day and starting time of two appointments are the same, they are shown in the order in which they were entered.

Appointment Markers

Dates with appointments are marked on the calendar display (see page E-45) as shown below.



Morning appointment
Afternoon appointment
Morning and afternoon appointments
No appointment time

Another sort of marker for your appointments appears in the main menu on days when you have something scheduled. It is the message, "CHECK SCHED." Be sure to check your schedule when you notice this marker.

Recalling Schedule Data

My Magic Diary offers five ways to recall Schedule Mode information:

- daily sequential search
- appointment sequential search
- initial character and icon search
- calendar search
- date search.

To recall data using daily sequential search:

1. Go into the Schedule Mode.
2. Use Δ and ∇ to scroll through the days. Holding down either key lets you scroll at high speed.

To recall data using appointment sequential search:

1. Enter the Schedule Mode.
 2. Press **SHIFT**, then press Δ or ∇ . This will jump to the next date on which you have something scheduled.
- When you've jumped past the last date with appointments scheduled, the message "Not Found!" will appear on the display. To return the screen to the way it was before you began the search, press \blacktriangleleft or \blacktriangleright .
 - If no schedule data is stored for any date, the message, "No Record!" will appear on screen.

1. Enter the Schedule Mode.

- Both future and past, for this operation, are relative to whatever date My Magic Diary is displaying, in Schedule Mode, when you begin to search. This need not be the same as the actual, present date.

1. On the main menu, highlight the Calendar Mode icon, then press **EXE**.

993

7	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	31	32	33	34

- If you wish to view appointment information for other dates, you can press Δ or ∇ to scroll through each day.

1. Go into the Schedule Mode.

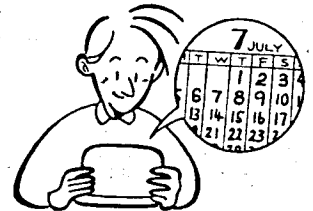
- EXE.**

07/03/1993

3. Type in the desired date. The date format you use depends on what you have already specified in Timekeeping Mode (page E-59). Then press **EXE**.
- If you wish to view appointment information for other dates, you can press Δ or ∇ to scroll through each day.

Chapter 7 Calendar Mode

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



Entering the Calendar Mode

To go into the Calendar Mode from the main menu, highlight the Calendar Mode icon, then press **EXE**.

Year	1993	1	2	3				
Month	7	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	31	

Date Cursor
Selected date
flashes.

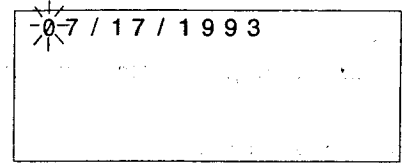
Indicates Schedule data (page E-40)

To display calendars for other months:

- Use Δ and ∇ to scroll through calendar pages month by month.

To display a calendar for a specific month:

1. Press **FUNCTION**, then use **▲** to highlight "Date." Press **EXE**.



2. Type in a date. The date format you use depends on what you have already specified in Timekeeping Mode (page E-59).
3. Press **EXE**. The calendar for the month you have specified will appear on screen, with the date cursor flashing at the date you have specified.

To move the Date Cursor

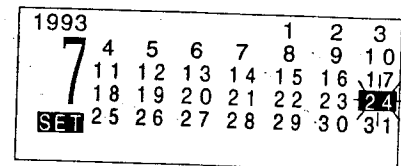
Use **▲**, **▼**, **◀**, and **▶** to move the date cursor.

Highlighting Dates

Be careful! My Magic Diary lets you highlight individual days. (The day of a birthday party, for example.) It also lets you highlight days that occur every week, for any defined period (every Sunday, for example). If you highlight a recurring day of the week, however, My Magic Diary automatically unhighlights any individually chosen days within the same period. Therefore, be sure to set highlights for recurring holidays **BEFORE** you set individually highlighted days. In other words, highlight your birthday only after you have highlighted every Sunday.

- 6 bytes of memory are used for each month that contains highlighted dates (see page E-85).

1. Go into the Calendar Mode.
2. Press **FUNCTION**, then use **▲** or **▼** to highlight "Holiday Set." Press **EXE**.
3. Use **▲** to highlight "1 Day." Press **EXE**. The "SET" indicator will appear on the display.
4. Move the date cursor to the date you wish to highlight, then press **EXE**.



5. If you wish to highlight another day, repeat only step 4.
6. To complete day-highlighting, press **AC/ON**.

To highlight the same day every week, for a specific period:

1. Enter the Calendar Mode.
2. Press **FUNCTION**, then use **▲** or **▼** to highlight "Holiday Set." Press **EXE**.
3. Use **▼** to highlight "Day of The Week." Press **EXE**.
4. Enter the period during which you want to highlight the same day or days every week. You can choose periods in one-month units.

Holiday Set	
Period?	
from	07 / 1993
to	12 / 1994

5. Press **EXE**.

SUN	Y/N	THU	Y/N
MON	Y/N	FRI	Y/N
TUE	Y/N	SAT	Y/N
WED	Y/N		

6. Specify the days of the week that you want to highlight by using **▲** and **▼** to move among days. Then use **◀** and **▶** to select "Y" (yes) or "N" (no). When finished, press **EXE**.

Removing Highlighted Dates

To unhighlight a single day, use the same procedure as described under, "To highlight one day." Move the date cursor to the date you want to unhighlight, and press **EXE**.

To unhighlight the same day every week, for a specific period, use the same procedure as described under, "To highlight the same day every 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 procedure as described under, "To highlight the same day every week, for a specific period." Specify the period as January, 1901, to December, 2099. Select "N" (no) for all days in the period, and press **EXE**.

Chapter 8 Data Memo "Diary" Mode

The Data Memo "Diary" Mode lets you store memos that are up to 381 characters long.

To enter the Data Memo "Diary" Mode, highlight the Data Memo "Diary" Mode icon in the main menu, then press **EXE**.



Memo Name	HIKING TRIP	Memo Content
	JOHN MARY BILL	
	STED SUZY AND I	
	WENT HIKING. I	
		4 CARS

Data Continue Below
(Use **▼** to scroll down.)

Creating a Data Memo

We'll create the following memo as an example:

Memo Name: HIKING TRIP

Memo Content: JOHN MARY BILL TED SUZY AND I WENT HIKING. I LOVED IT!

That's it; a short memo. Here's how it's done:

1. Enter the Data Memo "Diary" Mode from the main menu.
2. Type: **HIKING SPACE TRIP EXE**
3. Type: **J O H N SPACE M A R Y SPACE B I L L SHIFT**
▣ TED SPACE S U Z Y SPACE A N D SPACE I
SHIFT ▣ W E N T SPACE H I K I N G ALPHA/
NUM . ALPHA/NUM SPACE I SHIFT ▣ L O V E D
SPACE I T FUNCTION
Then use **▲** to highlight "Symbols." Press **EXE**. Use **▲**, **▼**, **◀**, and **▶** to highlight the exclamation point ("I"). Press **EXE** twice.
4. The message, "Item Name?" will prompt you to type in the next data item.

Pressing C/CLR or AC/ON

If you attempt to store more data than there is room for, the message, "Memory Full!" will appear on the display. Further input will be impossible. If this happens, press **AC/ON** to clear the message. Then delete unnecessary data (see page E-74), and try entering the data again.

If you press **AC/ON** or **C/CLR** during data display, "Item Name?" will appear on the display.

If you press **AC/ON** while you are entering data, "Item Name?" will appear on the display. If you press **C/CLR** while entering data, the screen that requests, "Item Name?," or "Data?" will reappear.

Automatic Sorting

Data are automatically sorted alphabetically by the initial letters entered as the Memo Name. See the table on page E-87 for the sort sequence.

Recalling Data

There are two ways to recall data:

- sequential search
- initial character search.

To recall data using sequential search:

1. Enter the Data Memo "Diary" Mode.
2. Use **△** and **▽** to search for the data you want. Holding down **△** or **▽** scrolls at high speed.
3. If no data have been stored, "No Record!" will be displayed on screen.

To recall data using initial character search:

1. Enter the Data Memo "Diary" Mode.
2. Type in up to 16 characters. They should be the initial characters of the data item you wish to find. For example, to find the data item we entered at the beginning of this chapter, type: **H I K I N G**.
3. Press **△** or **▽** to find either the last (**△**) or the first (**▽**) of the data items whose initial characters match those you typed in.
4. If the data you have specified can't be found, the message "Not Found!" will appear on the display. To return the screen to the way it was before you began the search, press **◀** or **▶**. You can edit your search data and try again.

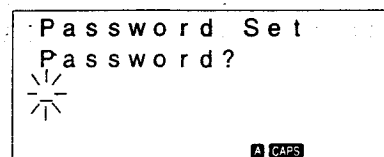
Chapter 9 The Secret Memory Area

If you store telephone directory, schedule, and memo data in the Secret Memory Area, no one can view this information without entering the right password. A password can be up to 16 characters long. With the correct password, you can transfer data back and forth between the Secret Memory Area and the Open Memory Area.

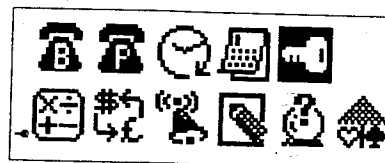
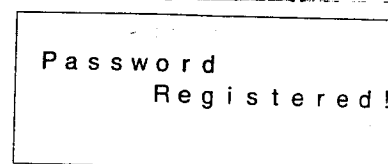


To create a Secret Memory Area:

1. On the main menu, highlight the Secret Memory Area icon. Press **EXE**.



2. Type in a password. A password can be composed of up to 16 characters, numbers, or symbols. Choose a password that is easy for you to remember, but hard for others to guess; you'll want to write it down elsewhere, so you don't forget it.



4. Return to the Open Memory Area, by highlighting the Secret Memory Area icon in the main menu, then pressing **EXE**. The Secret Memory Area Indicator (SM) will disappear from the display.

Warning!

You can have only one password at a time. Be sure to keep a record of your password; if you forget it, you'll need to perform a secret reset operation before you can create a new one. The secret reset operation deletes all data stored in the Secret Memory Area! So it can be very inconvenient to forget your password!

To enter the Secret Memory Area:

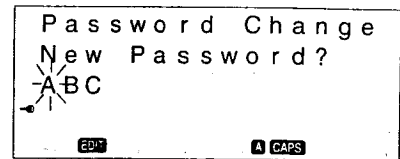
To enter the Secret Memory Area, follow the same procedure we just used to create the Secret Memory Area. If you use the wrong password, the message, "Password Mismatch!" will appear on the display, and the password input screen will reappear.

Once you're in the Secret Memory Area, you can do everything just as you would in the Open Memory Area. But all of the information you input is stored in the Secret Memory Area, available only to those who know the password.

To leave the Secret Memory Area, follow step 4 in "To create a Secret Memory Area," above.

To change your password:

1. Enter the Secret Memory Area (be sure the Secret Memory Area indicator is displayed) and display the main menu.
2. Press **FUNCTION**. Use **▼** to highlight "Password Change." Press **EXE**.



3. Type in a new password, then press **EXE**.

To transfer data from the Open Memory Area to the Secret Memory Area:

1. Bring up the information you wish to transfer, from a schedule, Data Memo "Diary", telephone directory, etc.
2. Press **FUNCTION**. Then use **▲** or **▼** to highlight "Open ↔ Secret." Press **EXE**.
3. Enter your password, then press **EXE**.
4. When the data transfer is complete, the Secret Memory Area screen appears, showing the "S" indicator. However, ask for your password as part of the process. After your data have been transferred to the Open Memory Area, the display will change to show that area, and the "S" indicator will not be displayed anymore.

Chapter 10 Timekeeping Mode

You may have noticed the **HOME TIME**/**WORLD TIME** key on My Magic Diary. We'll refer to it simply as the **TIME** key throughout this manual. Home Time shows you the current date and time where you live, while World Time displays the current date and time in one of 29 time zones around the world.



The Timekeeping Mode also lets you specify any of three formats for the date.

Entering the Timekeeping Mode

To enter the Timekeeping Mode, press **TIME**. Whenever you press **TIME**, the display switches between the Home Time and World Time screens.

Home Time

Day Year Day of the Week
City Name LONDON
Month JUL / 17 / 1993 SAT
12:14 24 am
Hour Minutes Seconds

appears on the Home Time screen, it will be enclosed in << >>.

World Time

< NYC > City Code
JUL 16 Month
7:16 Date
PM Time

Scrolls horizontally

Before making any changes in any other time and date settings, be sure your Home Time zone is set correctly.

Setting the Home Time Zone

The initial Home Time zone setting produced by the all-reset operation (see page E-11) is known around the world as Greenwich Mean Time or Universal Time. It is the time zone that includes London, England. If you live in any other time zone, you'll probably want to change the Home Time zone setting.

To change the Home Time zone:

1. Press **TIME** until the display shows Home Time.
2. Press **FUNCTION**. Then use **▼** to highlight "Zone Change." Press **EXE**.



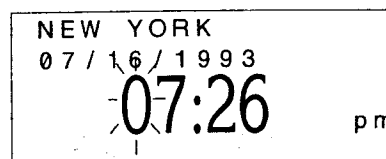
The display flashes the current setting for Home Time zone.

3. Use ◀ and ▶ to choose another Home Time zone. The unit will cycle through all possible Home Time zones in the sequence shown in the city code table on page E-62.
4. When the display shows the city code for Home Time zone you want to select, press **EXE**.

Setting the Date and Time

To set the date and time:

1. Press **TIME** until the display shows Home Time. Be sure you are not on World Time.
2. Press **FUNCTION**. Then use ▲ or ▼ to highlight "Time Set." Press **EXE**.



The hour digit is flashing, allowing you to change the hour setting.

3. Type in the current time and date. Let's say it is 10:30 AM, on August 9, 1993. Type in: 103008091993.
4. Use ◀ or ▶ to cause each detail of the time and date setting to flash, allowing you to change just that detail.
5. If you are using the 12-hour time format, be sure to specify AM or PM by pressing **AM/PM**.
6. After properly setting all details of the time and date, press **EXE**. Pressing **EXE** resets the seconds count to 00.

To change the date format:

1. Press **TIME** until the display shows Home Time.
2. Press **FUNCTION**. Then use ▲ or ▼ to highlight "Date Format." Press **EXE**.
3. Use ▲ or ▼ to highlight either "Month/Day/Year," "Day/Month/Year," or "Year/Month/Day." These determine the order in which My Magic Diary will always show the date. When you have chosen the setting you prefer, press **EXE**.

Setting the World Time Zone

The initial World Time zone setting produced by the all-reset operation (see page E-11) is U.S. Eastern Standard Time. It is the time zone that includes New York City.

To change the World Time zone:

1. Be sure you have already set the Home Time.
2. Press **TIME** until the display shows World Time.
3. Use ◀ or ▶ to cycle among all of the possible city codes, denoting different World Time zones. Zones cycle through the sequence shown in the city code table on page E-62.

- The time setting for your World Time zone is automatically calculated, based on the Home Time setting.

Other Time and Date Functions

To switch between 12-hour timekeeping (using AM and PM) and 24-hour timekeeping (using numbers from 13 to 23 for PM hours):

1. Press **TIME** to display either Home Time or World Time.
2. Press **FUNCTION**. Then use **▲** or **▼** to highlight "12/24 Hours." Press **EXE**.

To switch to or from Daylight Savings Time:

1. Press **TIME** to display either Home Time or World Time, whichever you wish to change to or from Daylight Savings Time.
2. Press **FUNCTION**. Then press **▲** to highlight "DST ON/OFF." Then press **EXE**.

LONDON	DST
JUL / 17 / 1993	SAT
12:14 ₂₄ am	

	DST
JUL 16	
8:15	
PM	

When Daylight Savings Time is set, the "DST" indicator appears as shown.

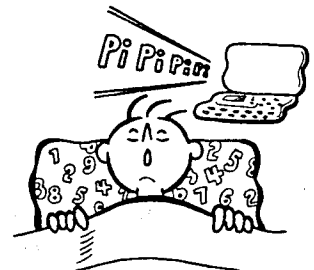
City Code Table

The following table shows all of the city codes used by My Magic Diary, the name of each corresponding city, and the time difference between each city/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	Teheran	+ 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

Alarm Mode

You can set My Magic Diary's alarm to go off for 20 seconds at the same time every day. Or you can set the Hourly Time Signal, so that My Magic Diary beeps every hour on the hour. The alarm can be set for your Home Time or for any of the World Time zones.



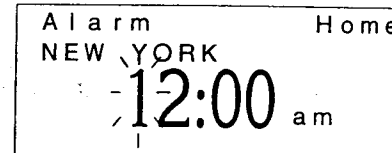
Enter the Alarm Mode from the main menu by highlighting the Alarm Mode icon. Then press **EXE**.

	Alarm	Home
City Name	NEW YORK	
	7:30 am	ON
	Alarm Time	Alarm ON Indicator

"Home" or "World" is shown in the upper right corner to indicate whether the alarm is set for your Home Time or for a World Time zone.

To set an alarm time:

1. Enter the Alarm Mode.
2. Press **FUNCTION**. Use **▲** to highlight "Alarm Time Set." Press **EXE**.



The hour digit is flashing, showing that it can be changed to a desired setting.

3. Type in a desired time. For example, for 7:30, type: 0 7 3 0.
4. Use **◀** or **▶** to move the flashing detail selector.
5. If you are using the 12-hour format, be sure to specify AM or PM by pressing **AM/PM**.
6. Press **EXE**. The alarm will automatically switch on.

By setting the alarm zone, you can set an alarm for another time zone. This may help you make a long-distance phone call, for example, at an agreed-upon time.

To set the alarm zone:

1. Enter the Alarm Mode.
2. Press **FUNCTION**, then use **▲** or **▼** to highlight "Alarm Zone Set." Then press **EXE**.

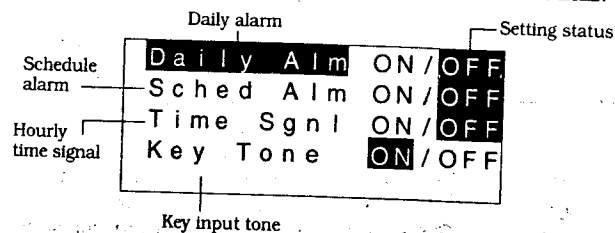


The current alarm zone is flashing.

3. Use **◀** or **▶** to change the alarm zone. Then press **EXE**, and the alarm will automatically switch on.

You can switch the alarm and hourly time signal on and off. To do so:

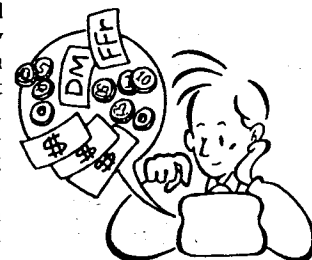
1. Enter the Alarm Mode.
2. Press **FUNCTION**. Use **▼** to highlight "Sound." Press **EXE**.



3. Use **▲** or **▼** to highlight one of the features shown in the illustration above. Use **◀** or **▶** to switch the features on or off.
4. Press **EXE**. This will store the settings you've just made.

To stop a sounding alarm, press any key on My Magic Diary.

My Magic Diary is programmed to calculate the six currency conversions shown below. You will have to enter the current rates for these conversions, though, since they change frequently. Once you have entered the current rate, you can calculate currency conversions with the touch of a key. You can also edit the built-in currency names (see page E-73).



Built-In Currency Conversions

Built-in Rates	
\$ 1. = £ 0.5	\$ 1. = Lit 1000.
\$ 1. = DM 1.5	\$ 1. = Pts 100.
\$ 1. = FFr 5.	\$ 1. = ¥ 100.

For information about programming in currency conversions not shown here, see page E-73, "Changing a Currency."

The built-in conversions have been assigned pre-programmed rates. If you perform a conversion without changing the preset rate, the message, "NOTICE! Change Preset Rates Before Using!" will appear on the display. This is because the preset rates are unlikely to remain accurate for long, and should not be relied upon to be corrected. Press any key to clear the message.

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Enter the Conversion Mode from the main menu by highlighting the Conversion Mode icon. Then press **EXE**.

To set conversion rates:

1. Enter the Conversion Mode.
2. Use the Δ and ∇ keys to choose a conversion.
3. Press **FUNCTION**, then use \blacktriangle or \blacktriangledown to highlight "Rate Set." Then press **EXE**.

Rate Set	\$?
		1.
ED		

4. Type in a new value for the conversion rate in U.S. dollars. For example, the preset value for \$1 is 1,000 Italian lire. Set a realistically complex rate, such as 1489. Then press **EXE**.
5. You may find that the stored conversion rate is acceptable. In that case, simply type in no new amount, in step 4. Just press **EXE**. This will leave the rate as it was.

To convert U.S. dollars into foreign currency:

1. Enter the Conversion Mode.
2. Use the Δ and ∇ keys to choose the conversion you need. For example, choose U.S. dollars into French francs. The display will show the stored value for this conversion; the preset value here is \$1 = FFr5.

3. Type in the amount in U.S. dollars that you wish to convert to foreign currency. To continue our example, say you want to convert \$98.50 to French francs. Type: 98.5. Then press **EXE**.

\$	98.5 =	
FFr		492.5

To convert foreign currency into U.S. dollars:

1. Enter the Conversion Mode.
2. Use the Δ and ∇ keys to choose the conversion you need. Actually, the display only shows the inverse of the conversion you need. For example, choose U.S. dollars into French francs, though you may want to convert francs into dollars. The display will show the stored value for the conversion; the preset value here is \$1 = FFr5.
3. Press **FUNCTION**. Then use \blacktriangle to highlight "Reverse." Then press **EXE**.
4. Type in the amount in foreign currency that you wish to convert to U.S. dollars. To continue our example, say you want to convert FFr98.50 to dollars. Type: 98.5. Then press **EXE**.

FFr	98.5 =	
\$		19.7

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Calculations Using Conversion Results

Let's say that a German friend has come to visit you, and she bought five souvenirs, each for \$20. She wants to know how much she has spent in German marks. Here's how My Magic Diary figures it out:

1. Enter the Conversion Mode.
2. Use the Δ and ∇ keys to choose U.S. dollars into German marks. The display will show the stored value for this conversion; the preset value here is \$1 = DM 1.5. We'll use that value for our example.
3. Type in the number of dollars you need to convert. In this case, type: 20. Press **EXE**.
4. Type: $\times 5 =$
The result will be DM 150.

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Use the procedures described here to edit your telephone directories, schedule, memos, and currency names. 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**, then use **▲** or **▼** to highlight "Edit." Press **EXE**.
4. "E" will appear on the display and the cursor will appear at the beginning of the data.
5. Use **▲**, **▼**, **◀**, and **▶** to move the cursor to the location of the characters you want to edit.
6. Using **SHIFT** in combination with **▲**, **▼**, **◀**, and **▶** will allow you to move the on-screen cursor quickly around data entries. 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.

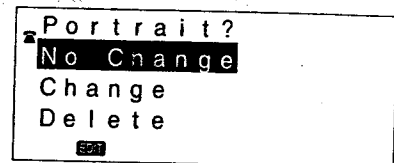
7. Edit the data using the procedures detailed in Chapter 4, Entering Data.
8. When you have finished editing, press **EXE** to store the new data.

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Making Fun Face Changes

To change a Telephone Directory Mode Fun Face:

1. Follow the directions given in Chapter 5, to bring up a Telephone Directory listing.
2. Press **FUNCTION**, then use **▲** or **▼** to highlight "Edit." Press **EXE**.
3. Before making any changes in the Fun Face, first make any changes you want in the text that accompanies the picture. Then press **EXE**.



4. Use **▲** and **▼** to highlight a selection. Then press **EXE**.

If you select "Delete" in step 3, an on-screen message will ask if you are sure you want to delete the Fun Face. Selecting "Yes" deletes the Fun Face. Selecting "No" cancels the delete operation.

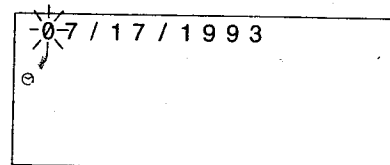
5. Make any changes that you like and press **EXE** to store the changed data.

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Changing a Schedule

To change a Schedule Mode date:

1. Enter the Schedule Mode.
2. Use the search functions to recall the data you want to edit.
3. Press **FUNCTION**. Use **▲** and **▼** to highlight "Edit." Then press **EXE**. "EDIT" will appear on screen.
4. Press **FUNCTION**. Use **▲** and **▼** to highlight "Date." Then press **EXE**.



5. Change the date. Use **◀** and **▶** to change the data entry that flashes, showing that it can be edited. Then press **EXE**. When you have finished editing data, press **EXE**.

Changing an Icon

To change a Schedule Mode icon:

1. Enter the Schedule Mode.
2. Use the search functions to recall the data you want to edit.
3. Press **FUNCTION**. Use **▲** and **▼** to highlight "Edit." Then press **EXE**. "EDIT" will appear on the display.
4. Press **FUNCTION**. Use **▲** to highlight "Icons." Then press **EXE**.

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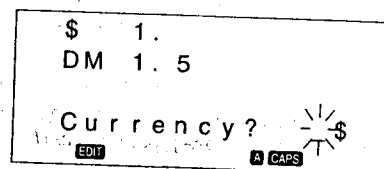
5. Highlight the new icon you wish to use. Then press **EXE**.
6. When you have finished editing, press **EXE** to store the new data.

Changing a Currency

Let's say you would like to include a conversion between dollars and Mexican pesos, and you have little use for a conversion between dollars and German marks. You want to change the German mark conversion into one for pesos.

Here's how to do it:

1. Enter the Conversion Mode.
2. Use **△** and **▽** to display the currency pair that includes a currency you'd like to change. In this example, display \$/DM. Don't press **EXE**.
3. Press **FUNCTION**. Use **▼** to highlight "Edit." Then press **EXE**.



4. The first currency that you can now change is the one to the left, dollars. But we don't want to change that, so press **EXE** without entering anything.

If you don't want to change the highlighted currency name, simply press **EXE**.

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5. Now the cursor has moved to allow you to change the other currency name. This is the name you'd like to change, to accomplish our goal of changing German marks into Mexican pesos. You can enter up to four letters for each currency name. That's convenient for our example.
6. Type "MEX." Press **FUNCTION**. Use **▲** to highlight "Symbols." Then press **EXE**. Use **▲**, **▼**, **◀**, and **▶** again to highlight "\$." (The dollar sign is also the symbol used for Mexican pesos.) Press **EXE**. Then press **EXE**.
We've chosen to refer to Mexican pesos as "MEX \$." We could also simply have entered "Peso," with no symbol. See page E-22 for information on entering other characters and symbols.
7. Now the conversion rate appears for editing. For our example, we want to leave the first figure at \$1, so press **EXE** without making any changes.
8. The second currency value now can be edited. Instead of the DM rate, type in the number of pesos per dollar: 3 . 1. Then press **EXE**.

Deleting Data

Use the procedures described here to delete phone directory, schedule, and memo "diary" data. Remember that you must access the Secret Memory Area to delete data there.

To delete a single item:

1. Enter the mode that contains the data you wish to delete, and recall the data.
2. Press **FUNCTION**. Then use **▲** and **▼** to highlight "Delete." Press **EXE**.
3. Use **▲** to highlight "1 Data." Press **EXE**.

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Delete OK?

⊙

Yes / **No**

4. Use **◀** to highlight "Yes." Press **EXE**.
 - To abort the delete operation, highlight "No," and press **EXE**.
5. When the deletion is completed, one of the following will appear on the screen:
 - a prompt for new data input
 - other data for whatever mode you are in.

To delete all data in a specific mode:

1. Enter the mode which contains data you want to delete.
2. Press **△** and **▽** to display data.
3. Press **FUNCTION**. Then use **▲** and **▼** to select "Delete." Press **EXE**.
4. Use **▼** to highlight "Mode Data." Press **EXE**.
5. Use **◀** to highlight "Yes." Then press **EXE**.
 - To abort the delete operation, highlight "No," and press **EXE**.
6. When the deletion is completed, a new data input prompt for whatever mode you are in will appear on the screen.

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Chapter 14 Fortune Telling Mode

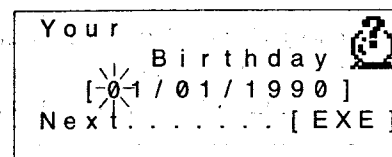
The Fortune Telling Mode lets you check your fortune on any date from January 1, 1901 through December 31, 2099. Fortunes are indicated both graphically and with messages.



The Fortune Telling Mode is meant for entertainment purposes only. The manufacturer makes no claims as to the accuracy of any of the fortune-telling messages or indicators produced by My Magic Diary.

To tell someone's fortune:

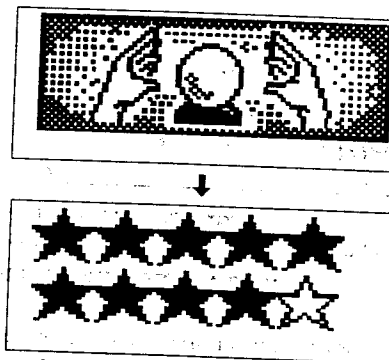
1. Enter the Fortune Telling Mode by highlighting its icon in the main menu, then pressing **EXE**.



2. Enter the birthday of the person whose fortune is to be told. For example, someone born on January 5, 1980. Type: 01051980. Then press **EXE**.

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- The date format depends on how you have specified that it should appear. See the Timekeeping Mode, page E-59.
3. Now type in the date for which you want the fortune. For example, type: 10101993. Then press **EXE**.



The more black stars that appear, the better your luck on this day! For your Fortune, press **EXE** again.

4. To return to the birthday input screen, press **EXE**.

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With the Match Maker Mode, you can check the compatibility of any two people born between January 1, 1901 and December 31, 2099. Compatibility is indicated both graphically and with messages.



The Match Maker Mode is meant for entertainment purposes only. The manufacturer assumes no responsibility for the success of marriages or other relationships fostered by use of My Magic Diary.

To use the Match Maker Mode:

1. Enter the Match Maker Mode by highlighting its icon in the main menu, then pressing **EXE**.

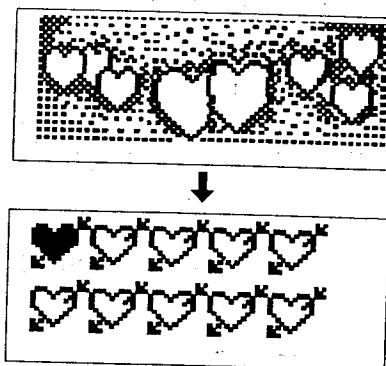
Your Birthday

[01/01/1990]

Next..... [EXE]

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2. Enter the two birthdays of the people whose compatibility is to be checked. For example, someone born on January 5, 1980 and someone born August 25, 1979.
Type: 01051980. Then press **EXE**.
Type: 08251979. Press **EXE** again.
- The date format depends on how you have specified that it should appear. See Timekeeping Mode, page E-59.

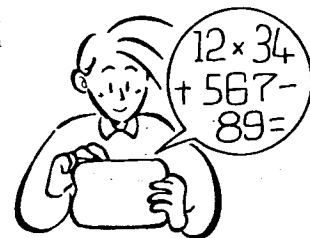


The more black hearts that appear, the better the compatibility between the two people! To display a message about the compatibility between these two people, press **EXE** again.

3. To return to the birthday input screen, press **EXE**.

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My Magic Diary 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, 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*.
- Press **►** to shift the displayed value to the right, deleting the rightmost digit.

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- 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.

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 independent 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.

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Calculation Examples

Example	Operation	Display
	AC	0.
53 + 123 - 63 =	53 + 125 (Error)	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
	AC	0.
$\sqrt{3} \times 5 =$	3 √ × 5 =	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
12% of 1500	1500 × 12 %	180.
Percentage of 660 against 880	660 ÷ 880 %	75.
15% add-on of 2500	2500 × 15 % +	2875.

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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	MC 80 × 9 M+	M = 720. 720.
-) 50 × 6 = 300	50 × 6 M-	M = 420. 300.
20 × 3 = 60	20 × 3 M+	M = 480. 60.
480	MR	M = 480. 480.

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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 "Diary", or Calendar mode, press **FUNCTION**.
2. Use **▲** and **▼** to select "Memory Capacity" and then press **EXE**.

Remaining memory
(Unit: bytes)

Memory Capacity		
Free	5954	3%
Used	190	

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.

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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**.

Open Memory Area

Tel (Busi)	:	15
Tel (Pers)	:	8
Schedule	:	3
Data Memo	:	7

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 6,144 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 6,144 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.

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Mode	Bytes per Data Item
Telephone Directory	(name) + (telephone number) + (address, etc.) + 15
Schedule	(description) + 12
Calendar	6 bytes per calendar that contains highlighted dates
Data Memo "Diary"	(memo name) + (memo contents) + 3

Examples:

Telephone Directory data only

When all items use 10 characters for the name, 12 characters for the phone number, and 16 characters of the address, you can store approximately 110 items.

Schedule data only

When all items use 20 characters, you can store approximately 190 items.

Data Memo "Diary" data only

When all items use 10 characters for the memo name and 10 characters for the memo content, you can store approximately 260 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 "Diary" Mode.

1	\$	30	8	59	V	88	t	117	i	146	ô	175	ñ
2	→	31	9	60	W	89	u	118	ò	147	á	176	í
3	←	32	:	61	X	90	v	119	û	148	ê	177	š
4	÷	33	;	62	Y	91	w	120	ç	149	ï	178	t'
5	x	34	<	63	Z	92	x	121	ł	150	ô	179	À
6	Space	35	>	64	"	93	y	122	ž	151	û	180	E
7	!	36	?	65	¥	94	z	123	à	152	À	181	Č
8	"	37	@	66	"	95	«	124	è	153	Ú	182	Ň
9	#	38	A	67	i	96	£	125	l	154	Ú	183	Š
10	\$	39	B	68	č	97	»	126	ò	155	á	184	Ý
11	%	40	C	69	a	98	~	127	ù	156	é	185	Ž
12	&	41	D	70	b	99	Á	128	ç	157	í	186	Ž
13	'	42	E	71	c	100	É	129	†	158	ô	187	ə
14	(	43	F	72	d	101	í	130	ž	159	û	188	ę
15	)	44	G	73	e	102	Ó	131	Ā	160	ā	189	ć
16	*	45	H	74	f	103	Ú	132	Ē	161	ú	190	ń
17	+	46	I	75	g	104	Ā	133	ī	162	ū	191	ś
18	,	47	J	76	h	105	Ō	134	Ö	163	Ä	192	ý
19	-	48	K	77	i	106	Ň	135	Ů	164	Ě	193	ž
20	•	49	L	78	j	107	á	136	Æ	165	Č	194	ž
21	/	50	M	79	k	108	é	137	Œ	166	Ď	195	Ø
22	0	51	N	80	l	109	í	138	Ó	167	Ň	196	ø
23	1	52	O	81	m	110	ó	139	ā	168	Ř	197	ß
24	2	53	P	82	n	111	ú	140	ë	169	Š		
25	3	54	Q	83	o	112	ā	141	ī	170	Ť		
26	4	55	R	84	p	113	ō	142	ö	171	ā		
27	5	56	S	85	q	114	ñ	143	ü	172	ê		
28	6	57	T	86	r	115	Ä	144	æ	173	č		
29	7	58	U	87	s	116	É	145	œ	174	d'		

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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 E-13 of this manual.
Send Error! Receive Error!	Poor connections or some other problem has caused data transfer to be aborted.	Correct the problem and try again. (See page E-93.)

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Chapter 18 Data Communication

CASIO's SB-62 Data Communication Cable is available as an option. You can use this to connect My Magic Diary to another My Magic Diary unit, or to a CASIO SF-A10, SF-A20, or SF-A30. Data can be shared among all of these products.

Data Type	How received data is stored
Telephone Directory Data Memo "Diary" 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.

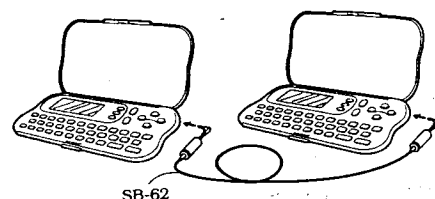
Important!

Some of the other products with which My Magic Diary can exchange data may use different icons, or they may not have a Fun Face Maker function. When you send My Magic Diary data to one of these units, icon and Fun Face Maker data are not sent.

Basic hardware set up for data communication:

1. Switch off the power of both the sending and receiving units.
2. Remove the connector covers of both units.
3. Connect the two units with a CASIO SB-62 Data Communication Cable. Be sure to insert the connectors at the ends of the cable securely into the units.

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4. Switch on the power of both sending and receiving units.

To prepare one unit to receive:

1. On the unit intended for reception, while in the main menu or a data display, press **FUNCTION**. Then use **▼** to highlight "Communication." Press **EXE**.
2. Use the **▲** or **▼** to highlight "Receive Data." Press **EXE**.

Sending Data for a Specific Mode

You can send either a single data item (the smallest packet of data which can be sent in the Calendar Mode, for example, is a single month), or all the data items stored in a specific mode. Different procedures are used to send all the data in a mode, depending on whether you start from within that mode, or from the main menu.

To send one data item:

1. Enter the mode that contains the data; then search for and display the data you wish to send.
2. Press **FUNCTION**. Then use **▼** to highlight "Communication." Press **EXE**.
3. Use **▲** to highlight "Send Data." Press **EXE**.
4. Use **▲** to highlight "1 Data." Press **EXE**.

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Send OK?	
⊙	Yes / No

5. Use **◀** to highlight "Yes." Then press **EXE**. This begins data transfer to the receiving unit.

To send all the data in a mode, starting from within that 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**. Then use **▼** to highlight "Communication." Press **EXE**.
3. Use **▲** to highlight "Send Data." Press **EXE**.
4. Use **▲** and **▼** to highlight "Mode Data." Press **EXE**.
5. Use **◀** to highlight "Yes." Then press **EXE**. This begins data transfer to the receiving unit.
6. After the transmission has been completed, the data display for the item sent will appear on screen.

To send all the data in a mode, starting from the main menu:

1. Start from the main menu.
2. Press **FUNCTION**. Then use **▼** to highlight "Communication." Press **EXE**.
3. Use **▲** to highlight "Send Data." Press **EXE**.
4. Use **▲** to highlight "Mode Data." Press **EXE**.

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5. Use ▲ and ▼ to select the name of the mode from which data you wish to send. Press **EXE**.
6. Use ◀ to highlight "Yes." Then press **EXE**. This begins data transfer to the receiving unit.
7. After the transmission has been completed, the main menu will reappear.

Sending All Data

Important!

The following procedure sends either all Open Memory Area data or all Secret Memory Area data. Before starting to transmit, be sure to access the memory area (Open or Secret) which contains data you wish to send.

To send all data:

1. Begin from either the main menu or from a data display (Telephone Directory, Schedule, Data Memo "Diary", or Calendar).
2. Press **FUNCTION**. Then use ▼ to highlight "Communication." Press **EXE**.
3. Use ▲ to highlight "Send Data." Press **EXE**.
4. Use ▼ to highlight "All Data." Press **EXE**.
5. Use ◀ to highlight "Yes." Then press **EXE**. This begins data transfer to the receiving unit.
6. After the transmission has been completed, the display you started from will reappear.

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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 My Magic Diary. Note, that the parameters should always be set to "None" (Parity) and "9600" (BPS) for data communications between two units.

Data Communication and Error Messages

Error messages will appear, and data communication will be interrupted, when any of the following conditions occur. If this happens, press **AC/ON** to clear the message and take the appropriate action.

Message	Cause
Stopped!	<ul style="list-style-type: none"> • 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!	<ul style="list-style-type: none"> • Low battery power.
Receive Error!	<ul style="list-style-type: none"> • Connector disconnected. • No data transferred for more than one minute after the receiving unit starts to stand by to receive data.
Memory Full!	<ul style="list-style-type: none"> • Not enough memory in the receiving unit.

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Message	Cause
Send Error!	<ul style="list-style-type: none"> • 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: JD-5000

Telephone Directory Mode

Storage and recall of telephone directory data (name, telephone number, address, etc.). Each item can contain up to 380 characters with a Fun Face. 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 with an icon. 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 "Diary" 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)

Conversion Mode

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

Fortune Telling Mode

Fortune telling on any date from January 1, 1901 to December 31, 2099.

Match Maker Mode

Compatibility of any two people whose birthdays are from January 1, 1901 to December 31, 2099.

Calculator Mode

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: 6,144 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) × 145 (W) × 163 (D) mm

(3/8" (H) × 5 3/4" (W) × 6 3/8" (D))

Closed: 13.9 (H) × 145 (W) × 84 (D) mm

(1 1/2" (H) × 5 3/4" (W) × 3 1/4" (D))

Weight: 112 g (4 oz) including batteries

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Español

Introducción

Muchas gracias por la compra de My Magic Diary. Para una cabal comprensión de todas las funciones, lea atentamente este manual de instrucciones antes de su uso. Después de leerlo, guarde el manual en un lugar seguro para futuras consultas.

My Magic Diary puede visualizar mensajes en cualquiera de los cinco idiomas siguientes: inglés, español, italiano, alemán y francés. Todos los mensajes que figuran en este manual están en español.