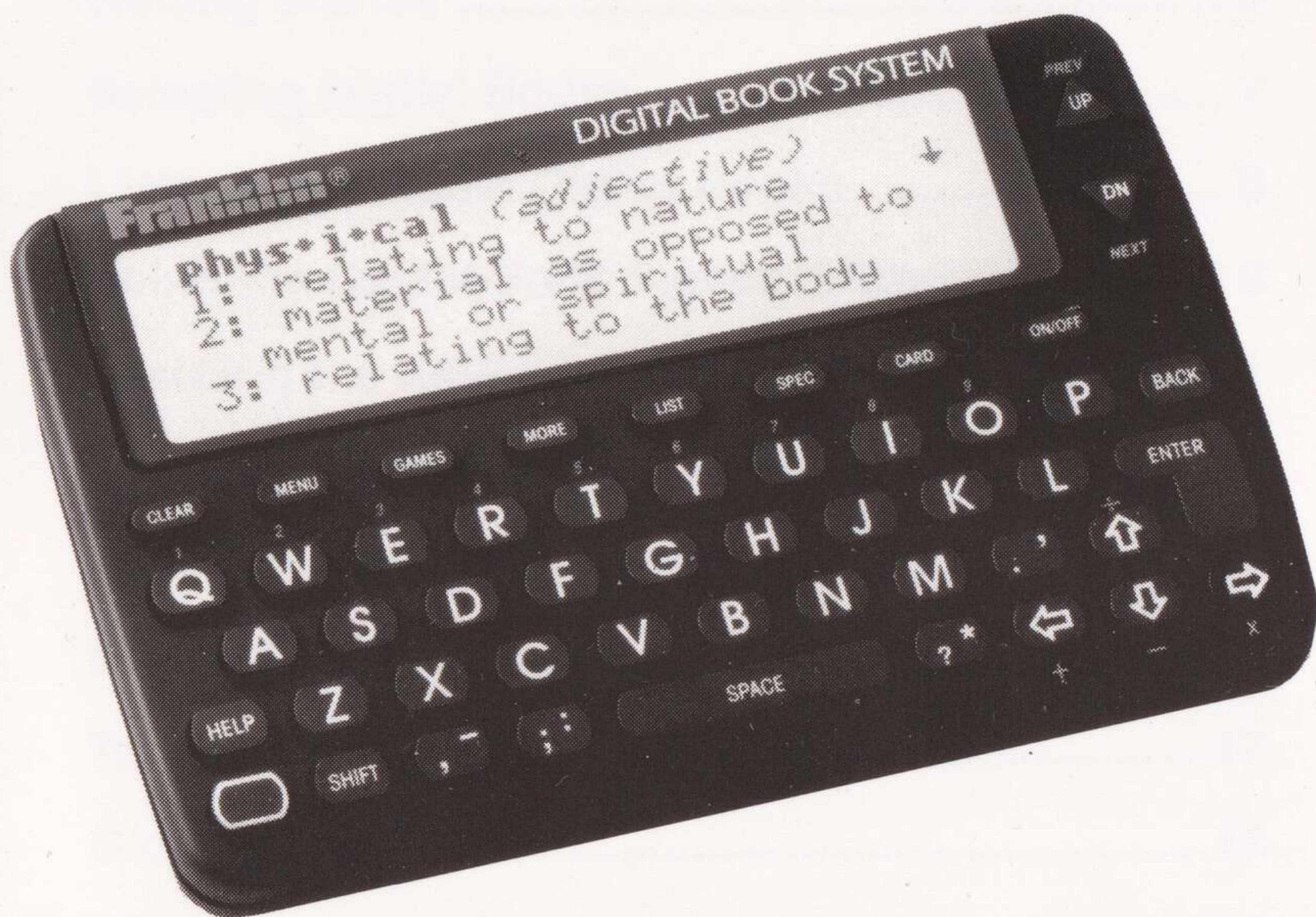




DIGITAL BOOK SYSTEM[®]



Basic Operating Guide

Read this Guide first ➔

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The Digital Book System®

What are Digital Books?

Digital books are matchbox-sized memory cards that can store up to 200 megabytes of information, the equivalent of 20 printed Bibles. Digital books provide searching, scanning, spell-checking, cross-referencing, and other features not found in printed books.

Most digital books store their information in read-only memory (ROM). Some digital books also have random-access memory (RAM) that allows you to enter and store your own information.

What Can the Digital Book System Do?

At home, work, or school, you can use the Digital Book System to

- find words, phrases, topics, and articles in digital books,
- view text and graphics easily and quickly,
- play exciting and educational games,
- switch between installed digital books, and
- highlight and send words between digital books.

The real power of the Digital Book System is its ability to carry and use multiple digital books wherever you go. Many digital books interact. For example, you can find an article in an encyclopedia digital book and then look up the definition of a word in that article in a dictionary digital book.

How to Use This Guide

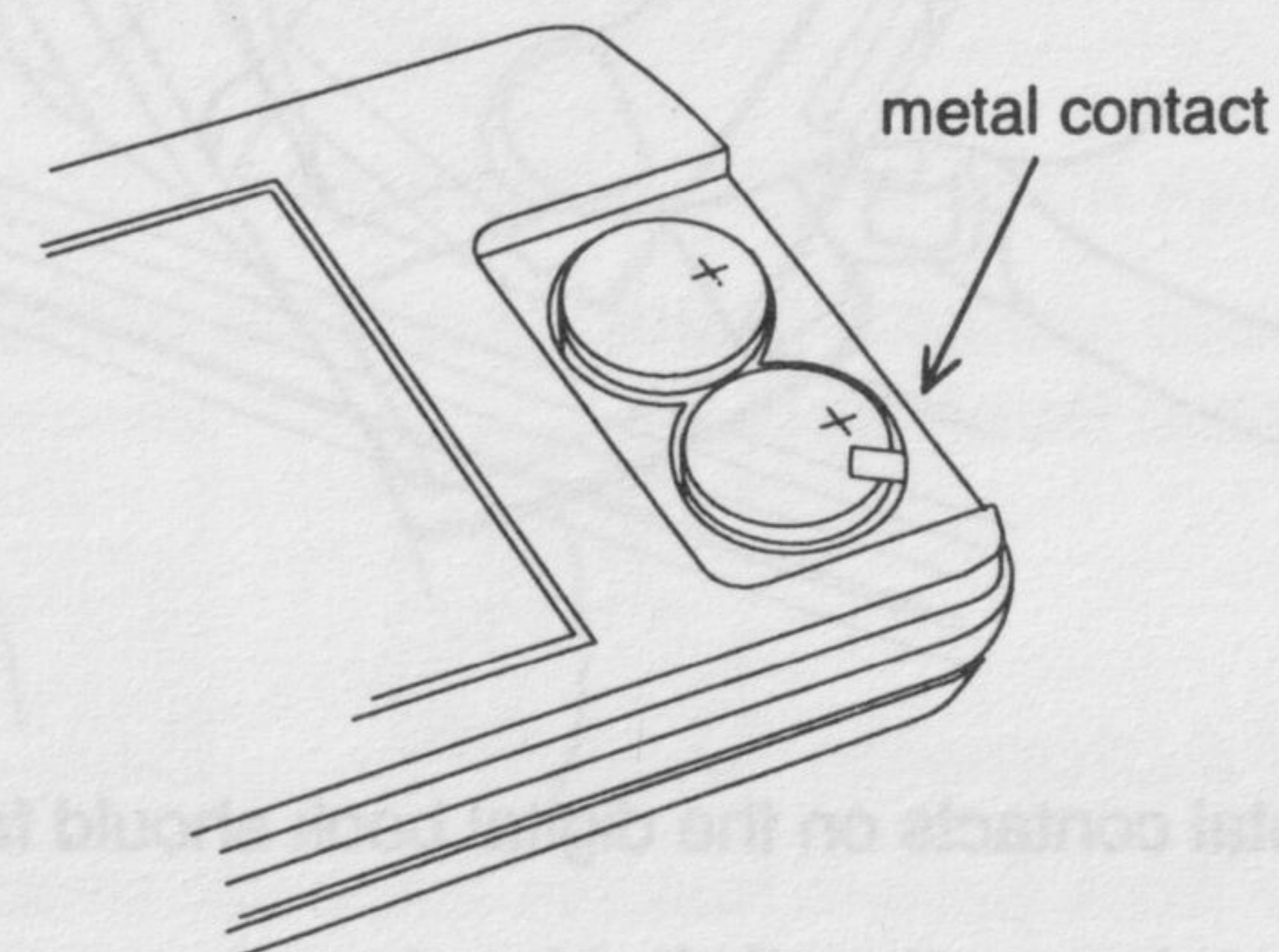
Before you use the Digital Book System, read this Basic Operating Guide. You can follow the numbered steps even if you use digital books other than those shown in the examples.

Installing Batteries

The Digital Book System (model DBS-2) is powered by four lithium batteries. Before following these steps below, have a complete set of fresh batteries ready.

Caution: Always replace the batteries in the Digital Book System before they completely lose power. A warning message appears when the battery power is low.

1. Turn the Digital Book System off.
2. Press down and slide the battery cover off the back.
3. Remove all the batteries.
4. Place a battery, with its plus sign facing you, at the bottom of each battery cavity.
5. Place a battery, plus sign up, at the top of each cavity.



The metal contact must touch the top battery.

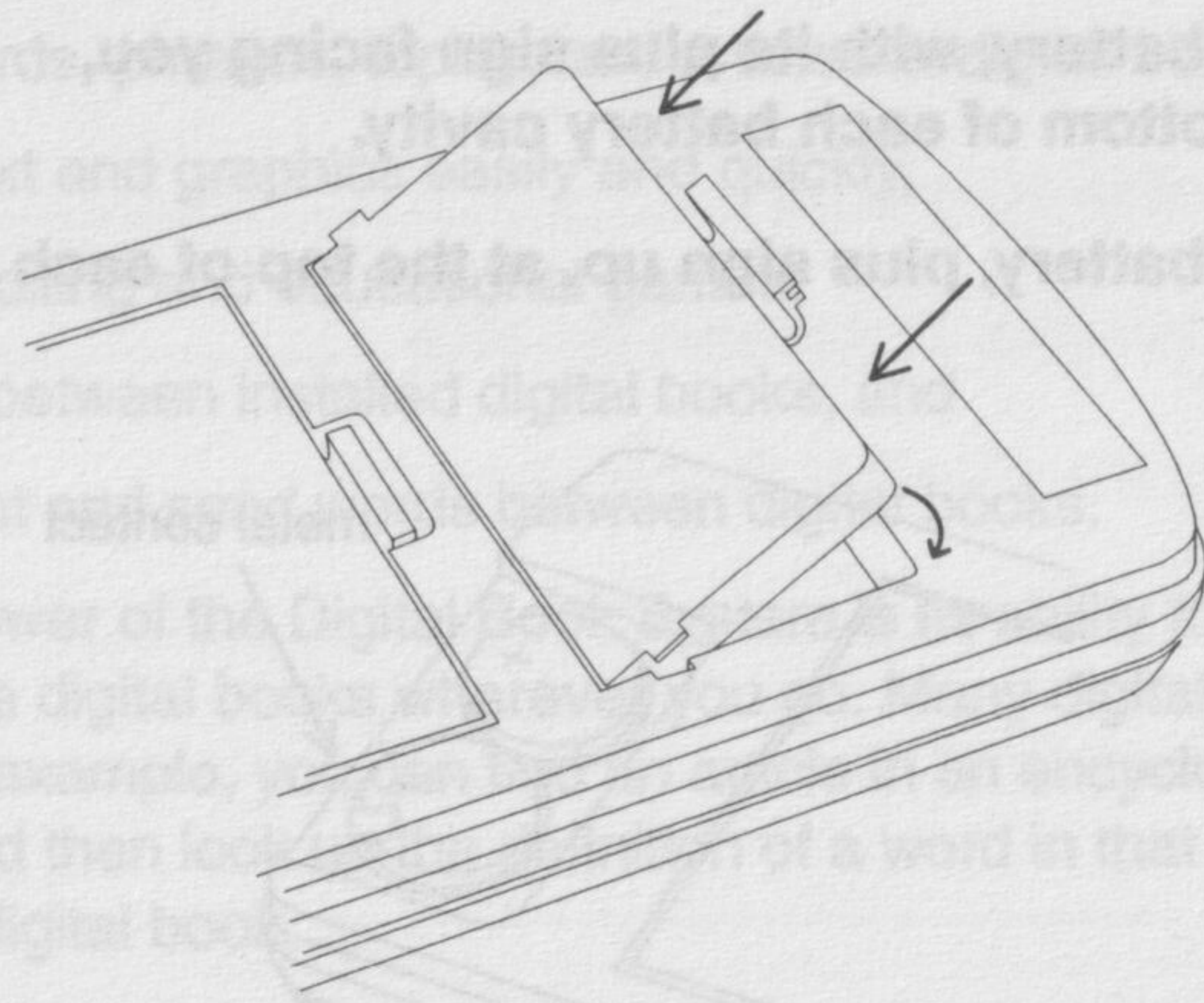
6. Replace the battery cover.

Installing Digital Books

The Digital Book System works only when at least one digital book is installed in a book slot. If you install a single digital book, it does not matter which book slot you use.

Warning: Never install digital books while the Digital Book System is turned on. If you do, information that you entered in those digital books may be permanently erased.

1. Turn the Digital Book System off.
2. Insert a digital book into a slot on the back of the Digital Book System at a 45-degree angle.



The metal contacts on the digital book should face down.

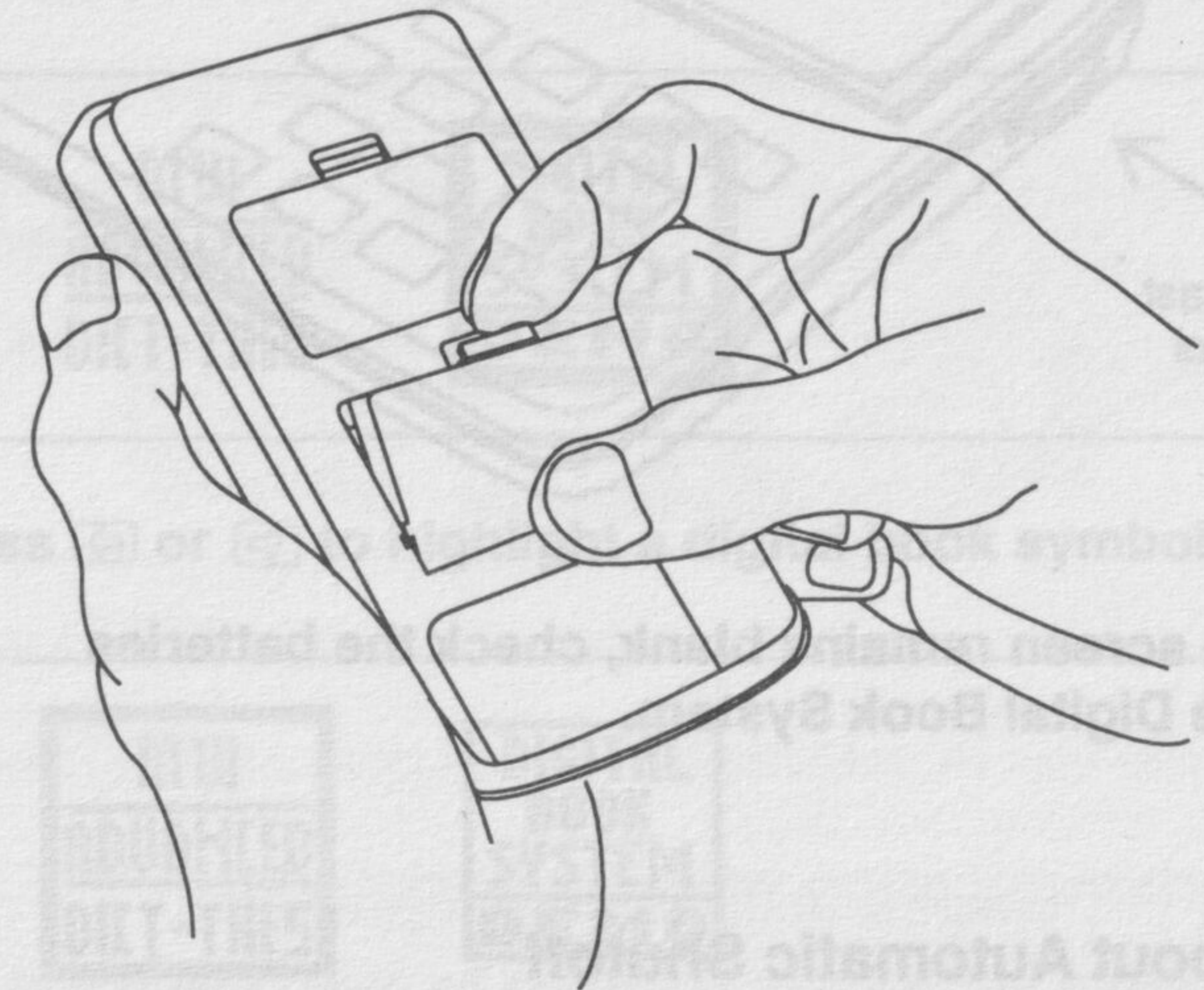
3. Align the tabs on the digital book with the notches in the slot.
4. Snap the digital book into the slot.

Removing Digital Books

Here is how to remove and replace digital books from the Digital Book System.

Warning: Never remove digital books when the Digital Book System is turned on. If you do, information that you entered in those digital books may be permanently erased.

1. Turn the Digital Book System off.
2. Compress the tab on an installed digital book.



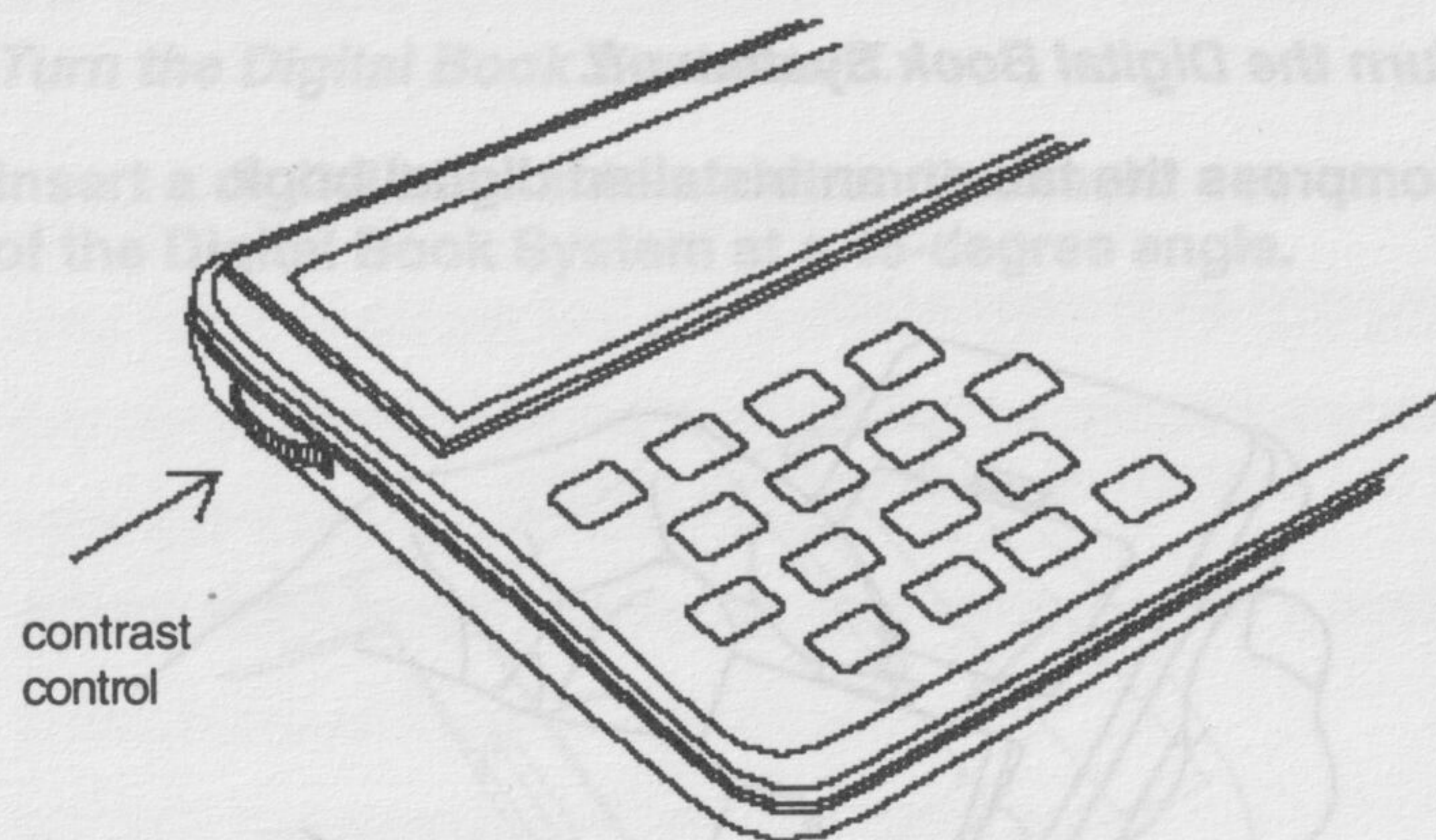
Do not pry the tab with a pen, pencil, or other sharp object.

3. Pull the digital book from its book slot.

Getting Started

Once digital books are installed, you are ready to start using your Digital Book System.

1. Press **ON/OFF**.
2. Adjust the screen contrast to your liking.



3. If the screen remains blank, check the batteries in the Digital Book System.

✓ About Automatic Shutoff

The Digital Book System features automatic shutoff timing. If you forget to turn off the Digital Book System, it will shut off automatically after a few seconds or minutes. Some digital books let you adjust the shutoff timing. To learn how, read their User's Manuals.

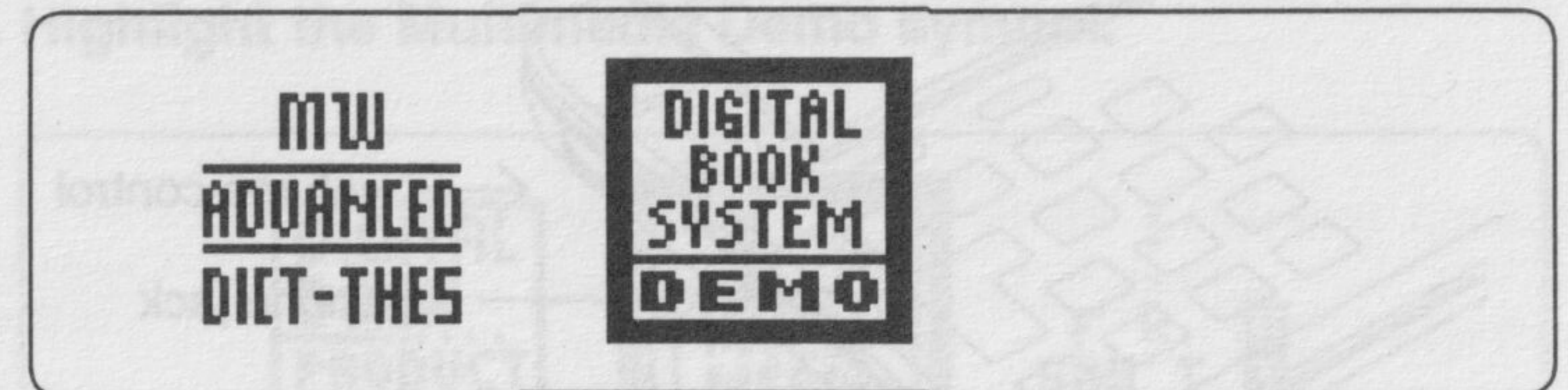
Selecting Digital Books

Since you can install more than one digital book in the Digital Book System, you usually need to select which installed digital book you want to read.

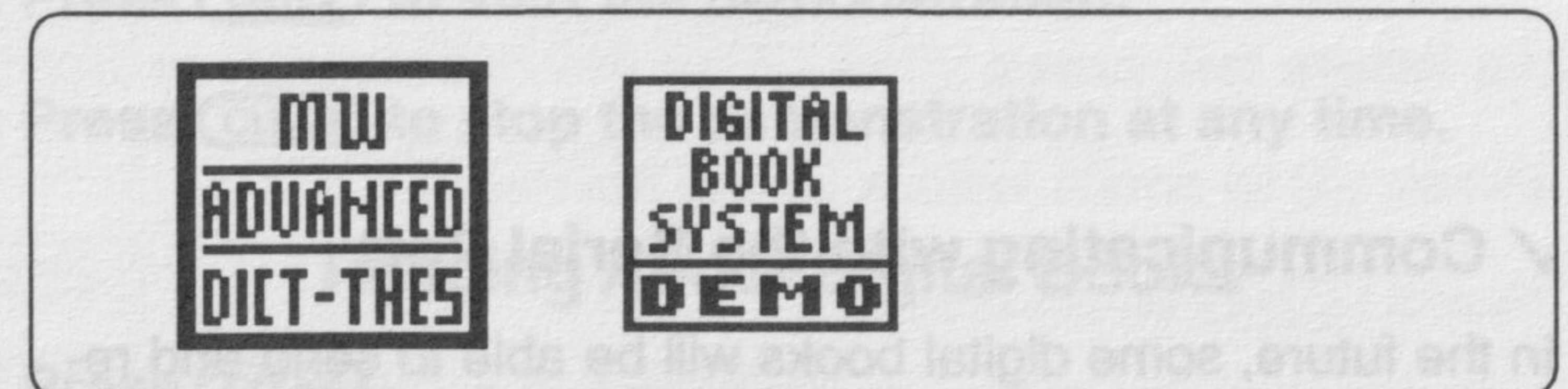
You do this by pressing **CARD** and selecting a digital book symbol. You can select another installed digital book to view at any time.

The digital books in the example below are the *Merriam-Webster® Advanced Dictionary* and the *Digital Book Demo*.

1. Press **CARD**.



2. Press **←** or **→** to highlight a digital book symbol.

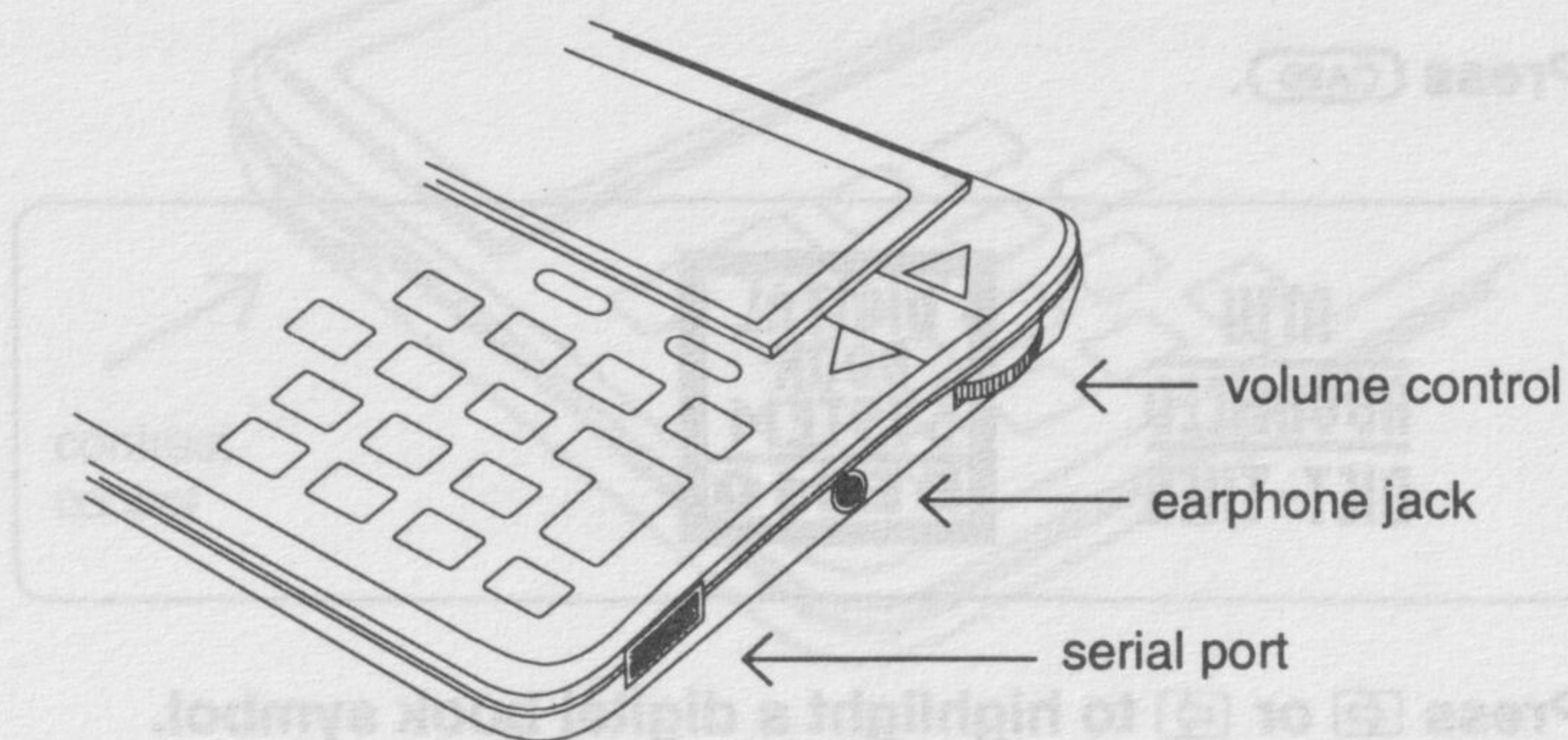


3. Press **ENTER** to select it.
4. To select the other digital book, repeat Steps 1–3.

Listening to Audio Digital Books

Some Digital Book System models include an earphone jack. By using earphones, you can listen to audio digital books that store and play speech, music, or sound effects. *Note:* Not all digital books are audio digital books.

1. Plug earphones into the earphone jack.
2. If needed, adjust the volume.



✓ Communicating with the Serial Port

In the future, some digital books will be able to send and receive information through the serial port. The serial port allows the Digital Book System to connect to another device, such as a personal computer or modem, with a serial port of its own. To learn how to use the serial port, read the User's Manuals of the appropriate digital books, when available.

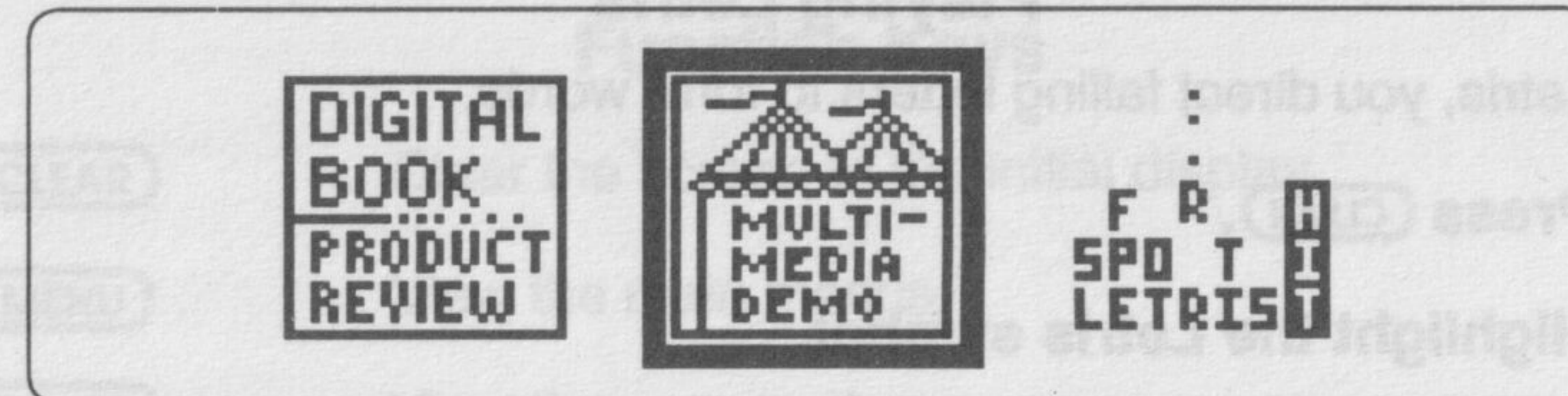
Using the Digital Book System Demo

Your Digital Book System may include a Digital Book System Demo. Besides presenting a multimedia demonstration of what the Digital Book System can do, this digital book lists digital book titles published by Franklin and includes the Letris word game.

Viewing a Demonstration

If your Digital Book System includes an earphone jack, plug in earphones and put them on before following these steps.

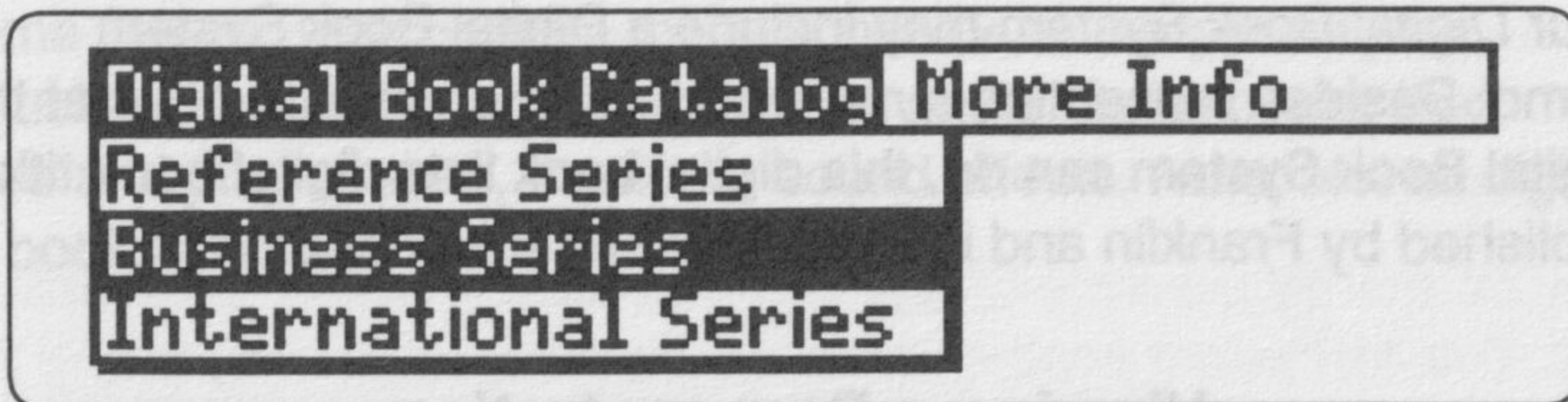
1. With the demo digital book installed, press **CARD**.
2. Highlight the DBS Demo symbol and then press **ENTER**.
3. Highlight the Multimedia Demo symbol.



4. Press **ENTER** to start the demonstration.
5. Press **CLEAR** to stop the demonstration at any time.

Reading About Digital Books

1. Press **CLEAR**.
2. Highlight the Digital Book Product Review symbol and then press **ENTER**.
3. Press **↓** to highlight a digital book series.



4. Press **ENTER** to select a series.
5. Press **↓** to highlight a digital book title.
6. Press **ENTER** to view information about that title.
 Press **↓** to scroll down. Or press **○** plus **↓** or **↑** to view information about the next or previous title.

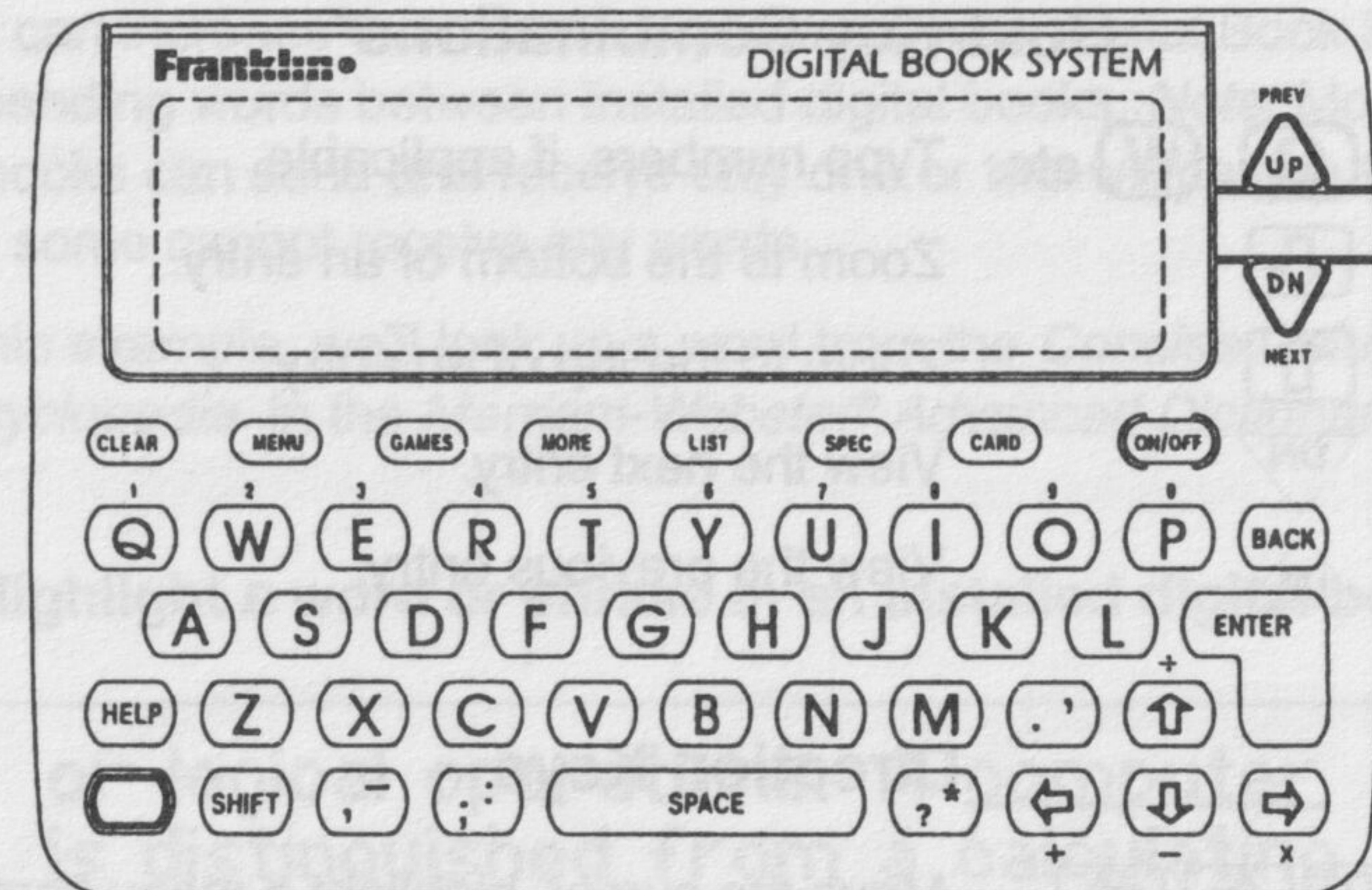
Playing Letris

In Letris, you direct falling letters to form words.

1. Press **CLEAR**.
2. Highlight the Letris symbol.
3. Press **ENTER**.
4. As letters fall, press **←** or **→** to move them left or right.
5. Press **↓** to zoom letters to the bottom.
6. Press **CLEAR** when done.

✓ Help is Always at Hand

When viewing digital books, you can read appropriate help messages by pressing **HELP**. To scroll or page down the message, press **↓** or **DN**. To exit the message, press **BACK**.














Function Keys


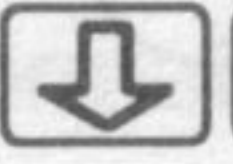





- CLEAR** Clear the screen to the initial display.
- MENU** View the main menus.
- GAMES** View the games, if any.
- MORE** View more information.
- LIST** View a list of words, notes, etc.
- SPEC** Do special tasks.
- CARD** Exit the digital book.

* This is a general guide to the keyboard of the Digital Book System. To learn the key functions when using a specific digital book, read its User's Manual or Quick Reference Card.









Gold-Key Combinations*

-  + ,  etc. Type numbers, if applicable.
-  +  Zoom to the bottom of an entry.
-  +  Zoom to the top of an entry.
-  +  View the next entry.
-  +  View the previous entry.

Direction Keys

-     Move the cursor, highlight a menu item, or scroll in the indicated direction.
-   Page down or up.
-  Back up or erase typed characters.

Other Keys

-  to  Type letters.
-  Make an entry or select a menu item.
-  View a help message.
-  Turn the Digital Book System on or off.
-  Type punctuation.
-  Shift keys to type capital letters, etc.
-  Type a space.

* Hold  while pressing the other key.


Sending Words Between Books




You can increase the reference power of your Digital Book System by sending words between installed digital books. *Note:* Most digital books can send and receive only one or two words at a time, and some cannot receive any words.


In this example, we'll look up a word from the *Concise Columbia Encyclopedia* in the *Merriam-Webster® Advanced Dictionary*.

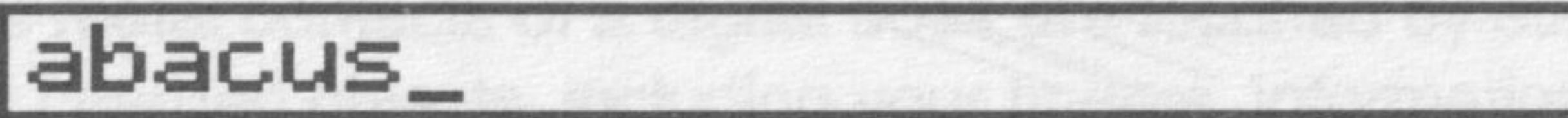
1. Highlight a word or phrase in an installed digital book.


or logical operations. A computer is distinguished from a calculating machine, such as an abacus or electronic CALCULATOR, by being able to

To learn how to highlight words in a digital book, read its User's Manual. Usually, you press  and then the arrow keys to highlight a word.

2. Hold  and press .
3. Highlight the other digital book symbol.
4. Press  to select it.

Type in a word, then press .



Press  for other options.

5. Press  again to search for the word.

Resetting the Digital Book System

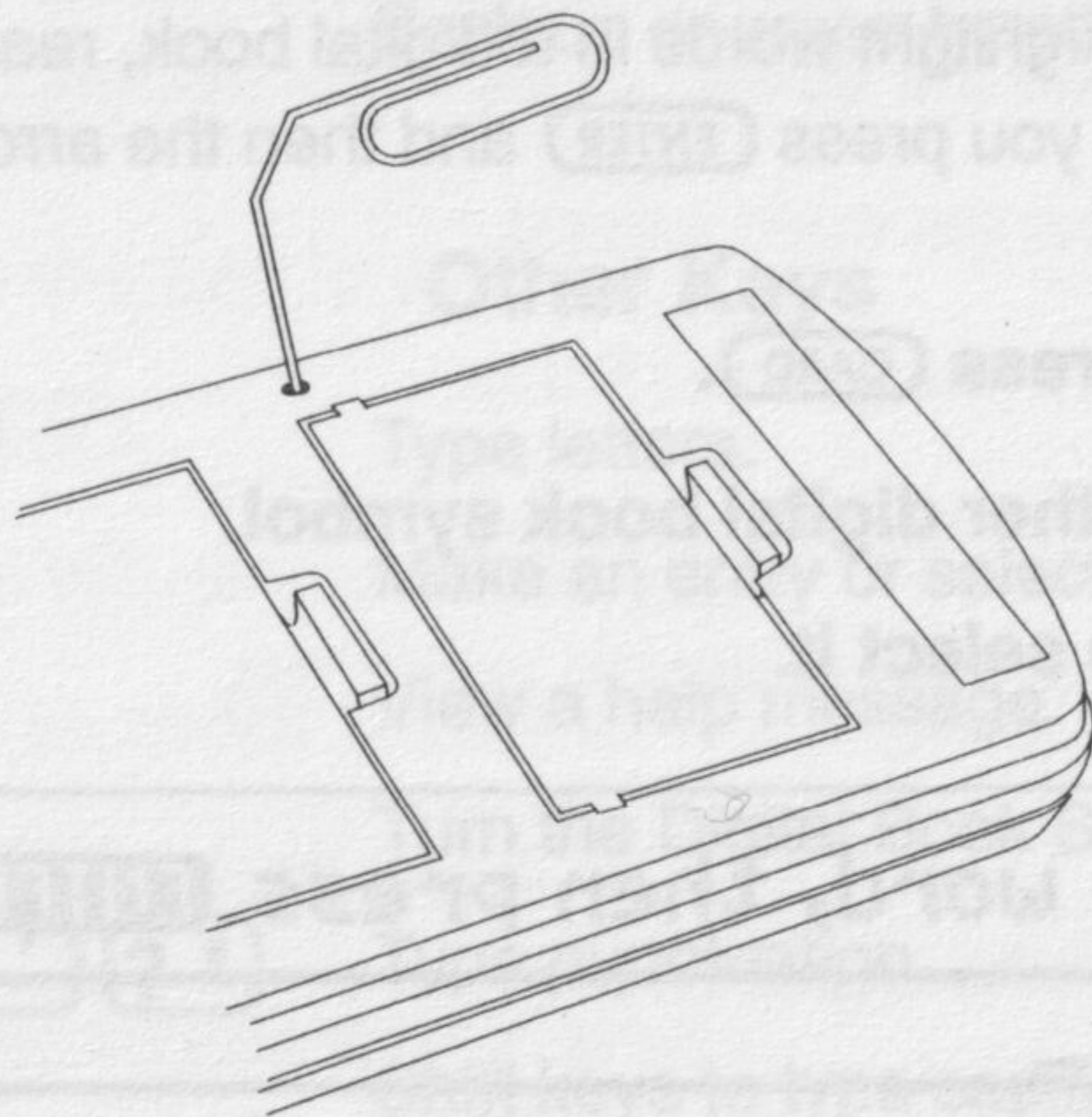
Should the keyboard fail to respond or the screen perform erratically, you can reset the Digital Book System. *Note:* Before resetting, press **CLEAR** once and, if nothing happens, press **ON/OFF** twice. These steps may eliminate the need for resetting.

Warning: Resetting the Digital Book System resets the installed digital books to their default settings and may permanently erase information, such as notes, that you have entered in them.

1. Hold **CLEAR** and press **ON/OFF**.

This is a soft reset.

2. Press the recessed reset button on the back of the Digital Book System using a paper clip.



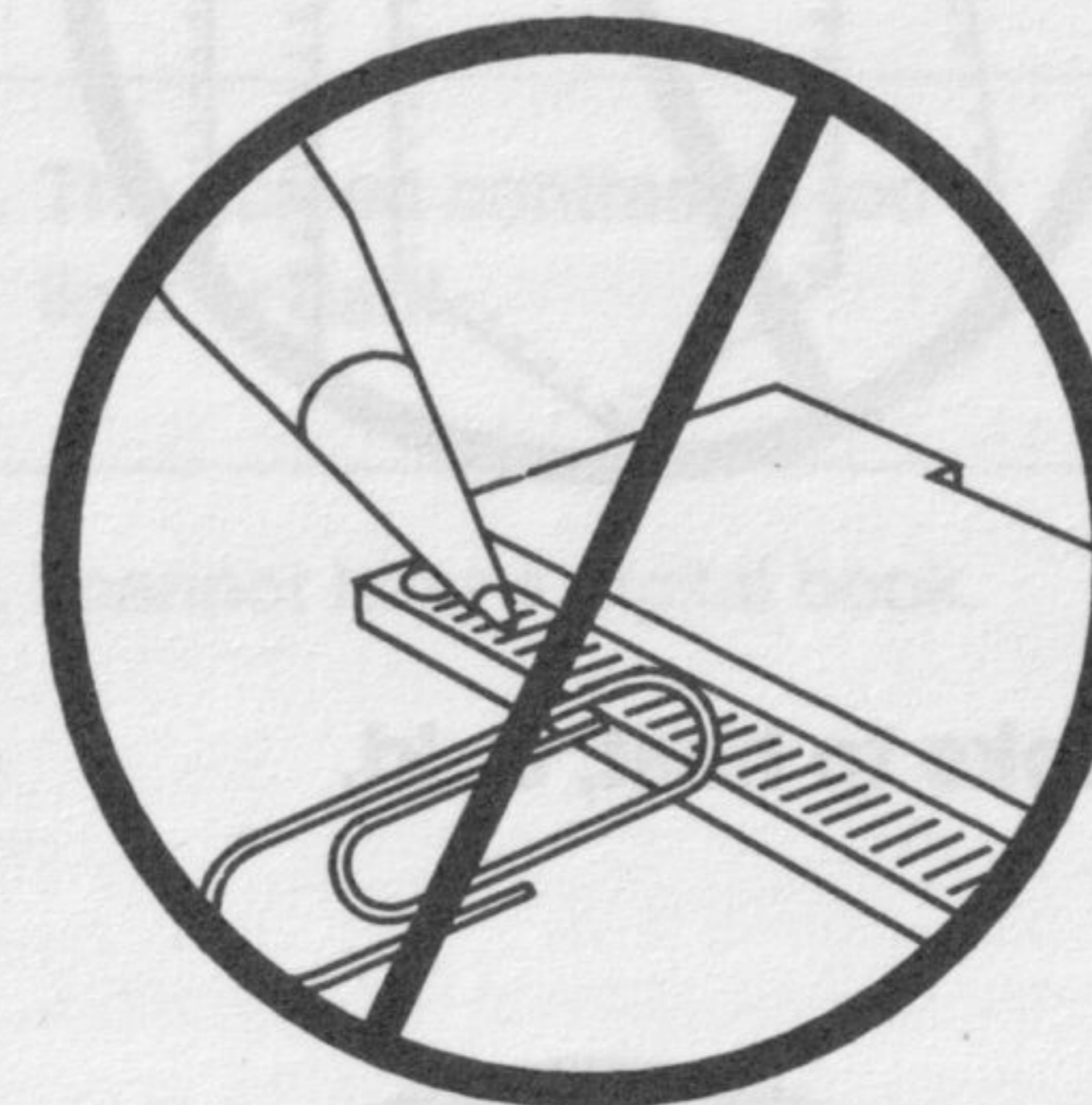
Do not use a pen or a pencil. This is a hard reset.

3. Press **ON/OFF** to turn on the Digital Book System.

Product Care

To enjoy the maximum performance and longest use of your Digital Book System and digital books, follow these precautions.

- Do not touch the metal contacts on the back of digital books or the rubber contacts in the book slots of the Digital Book System.

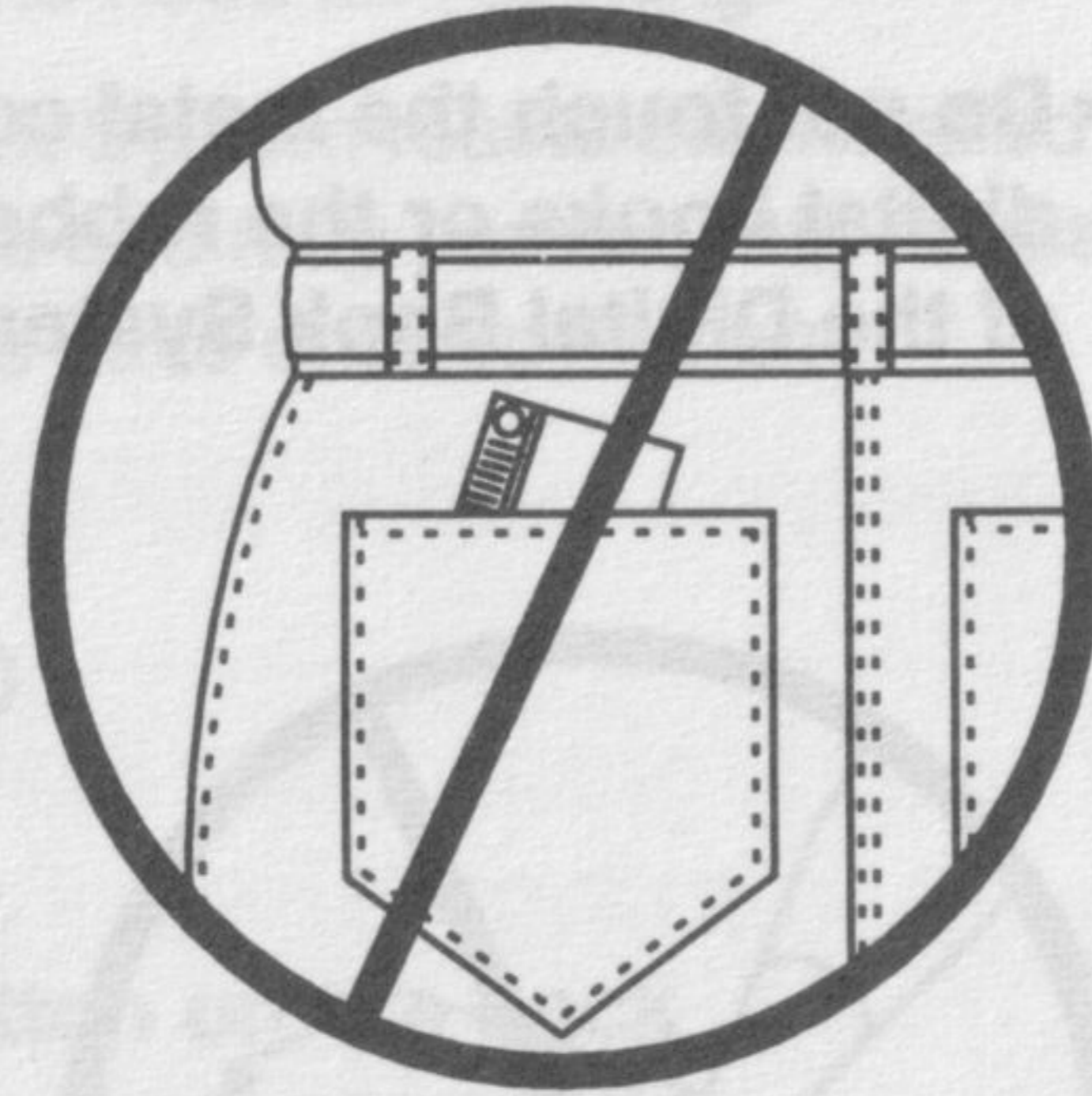
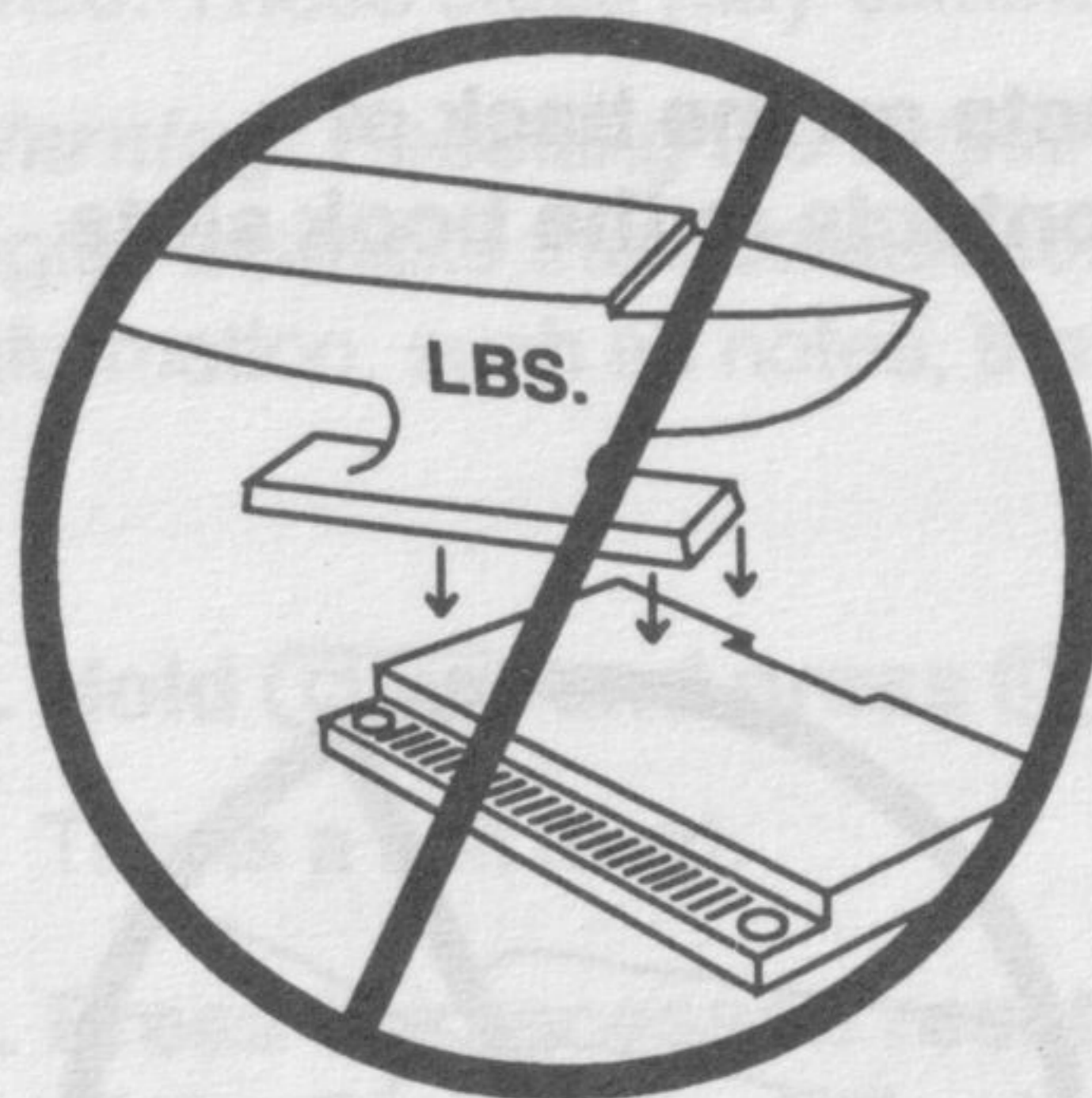


✓ Protecting Your Information

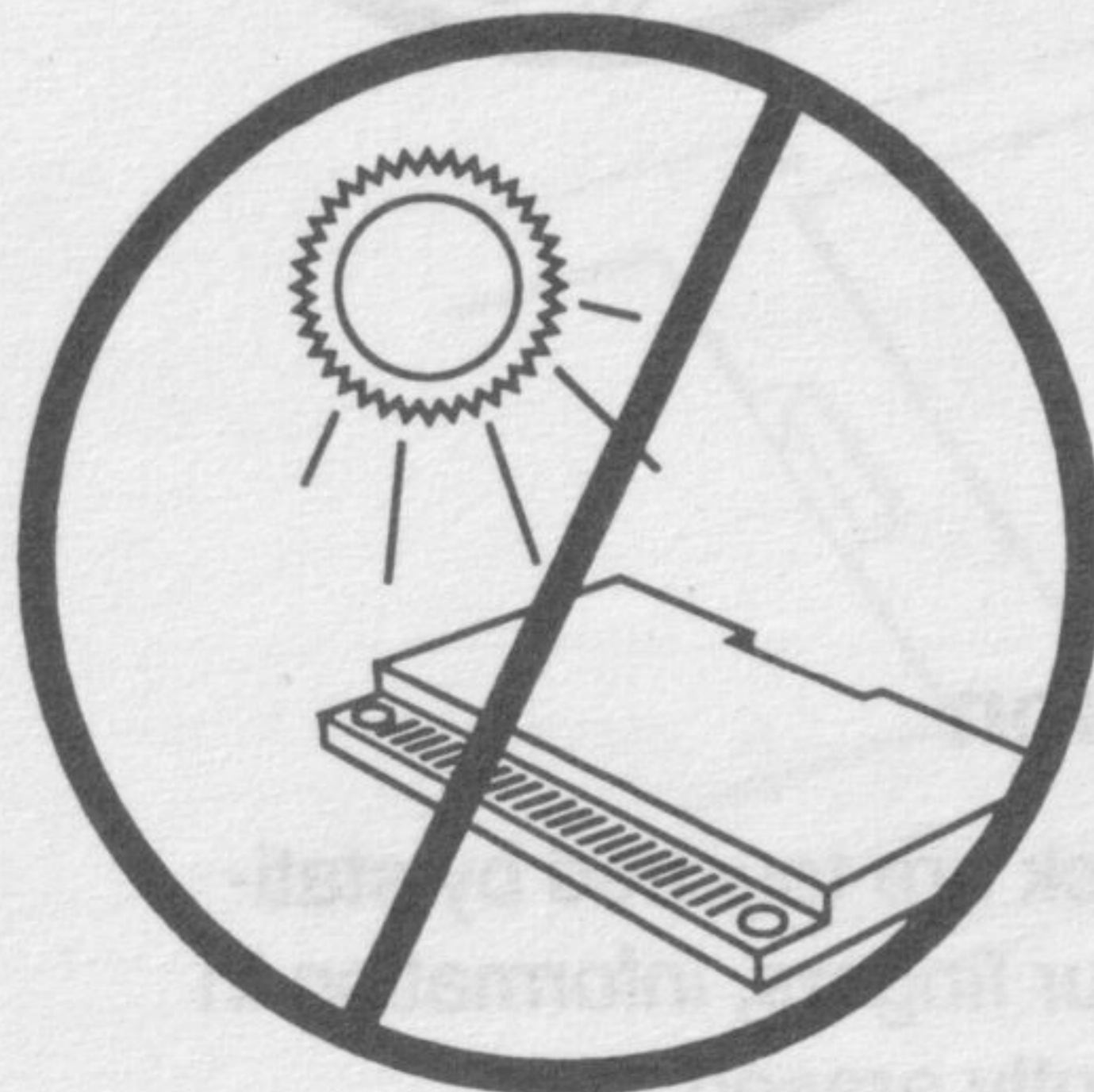
If the metal contacts of a digital book are touched by statically charged objects, including your fingers, information in that digital book could be permanently erased.

Also, touching the rubber contacts in the book slots of the Digital Book System could damage them.

- Do not put excessive pressure on your digital books or Digital Book System.



- Do not expose your digital books to heat, cold, or liquids.



Troubleshooting

Problems	Solutions
1. I don't see anything on the screen.	<p>1a. Check that the batteries are installed correctly.</p> <p>1b. Check that the digital books are installed correctly.</p> <p>1c. Check that the Digital Book System is turned on.</p> <p>1d. Check that the screen contrast is adjusted properly.</p>
2. The screen contrast is too light or dark.	2. Turn the contrast control wheel on the side of the Digital Book System.
3. I cannot hear a digital book.	<p>3a. Be sure that the digital book is an audio digital book.</p> <p>3b. Turn the volume control wheel on the side of the Digital Book System.</p>
4. My Digital Book System is performing erratically.	<p>4a. Check that your digital books are installed correctly. In particular, check that their metal contacts are dirt- and dust-free.</p> <p>4b. Check or change the batteries.</p>
5. The keyboard or screen doesn't respond.	<p>5a. Press CLEAR.</p> <p>5b. Press ON/OFF twice. If nothing happens, try Steps 5c and 5d.</p> <p>5c. Press CLEAR + ON/OFF.</p> <p>5d. Press the reset button on the back of the Digital Book System.</p>

Glossary

Arrow keys • The keys with arrows on them that let you scroll through menus and text.

Book slots • The openings on the back of the Digital Book System into which the digital books are installed.

Card • Another name for a digital book.


Default settings • The settings for type size, shutoff time, etc., that apply to a digital book from the factory or after resetting the Digital Book System.

Digital book • Small, portable memory cards that store and retrieve information.

Digital Book System • A portable unit that lets you read information in digital books.

Direction keys • The arrow keys and all Gold-key combinations that let you move through menus and text.

Function keys • The eight keys at the top of the keyboard. Each function key performs a unique function.

Gold-key combinations • Combination keystrokes performed by holding  while pressing another key.

Help message • Information that explains the current display and keystroke options.

On-card battery • A small battery built into certain digital books. It lets you remove a card from the Digital Book System without losing information that you have entered.

Page • Move screen by screen.

RAM • Random-access memory. Memory to which information can be added or deleted.

Reset • Returns the Digital Book System to its default settings. There is a soft reset and a hard reset.

ROM • Read-only-memory. Memory that cannot be changed. All digital books have ROM.

Screen • The liquid crystal display (LCD) on which information appears.

Scroll • Move line by line.

Serial port • The connection through which certain digital books can send and receive information from a computer, modem, etc.

Shutoff timing • The time in which the Digital Book System automatically shuts off when it is not being used.

Limited Warranty (U.S.A. only)

FRANKLIN warrants to you that the DIGITAL BOOK SYSTEM will be free from defects in materials and workmanship for one year from purchase. In the case of such a defect in your DIGITAL BOOK SYSTEM, FRANKLIN will repair or replace it without charge on return, with purchase receipt, to the dealer from which you made your purchase or Franklin Electronic Publishers, Inc., 122 Burrs Road, Mt. Holly, NJ 08060, within one year of purchase. Alternatively, FRANKLIN may, at its option, refund your purchase price.

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Specifications

DBS-2 Specifications

RAM size: 32 kilobytes

CPU: 65C816

CPU Speed: 3 MHz

Asynchronous serial port

Earphone jack

LCD: 5-line, 40 x 160 continuous pixel

Batteries: Four CR2032, 3-volt lithium batteries

Size: 129 x 84 x 15 mm (5 x 3-1/4 x 5/8")

Weight (with batteries and 2 digital books): 4.6 oz.

2 digital book slots

QWERTY keyboard with 8 function keys

Contrast and volume control

Digital Book Specifications

Size: 58 x 31 x 6 mm (2-1/4 x 1-1/4 x 1/4")

Weight: 0.3 oz.

ROM: varies according to the title.

RAM: varies according to the title.

Batteries: Some digital books have on-card batteries.

Storing and Cleaning

When you are not using your Digital Book System, keep two digital books installed in its book slots to prevent dust buildup.

To clean your digital books, apply isopropyl alcohol with a cotton swab. To clean the Digital Book System, apply a mild household cleaner on to a soft cloth and then wipe the unit.

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Model DBS-2 © 1992-94 Franklin Electronic Publishers, Inc.

Mt. Holly, NJ, 08060. All rights reserved. This manual is copyrighted by Franklin. Digital Book System is a registered trademark of Franklin. Letris is a trademark of Franklin. *Merriam-Webster* is a registered trademark of Merriam-Webster, Inc.

U.S. Patents: 4,490,811; 4,830,618; 4,891,775; 5,007,019;

5,113,340; 5,203,705; 5,218,536. European Patent: 0 136 379.

Patents Pending.

ISBN 1-56712-029-6.

FCC Notice

NOTE: 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.

NOTE: This unit was tested with shielded cables on the peripheral devices. Shielded cables must be used with the unit to insure compliance.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.

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Electronic Publishers

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