Franklin®
Electronic Publishers

DBS-2D

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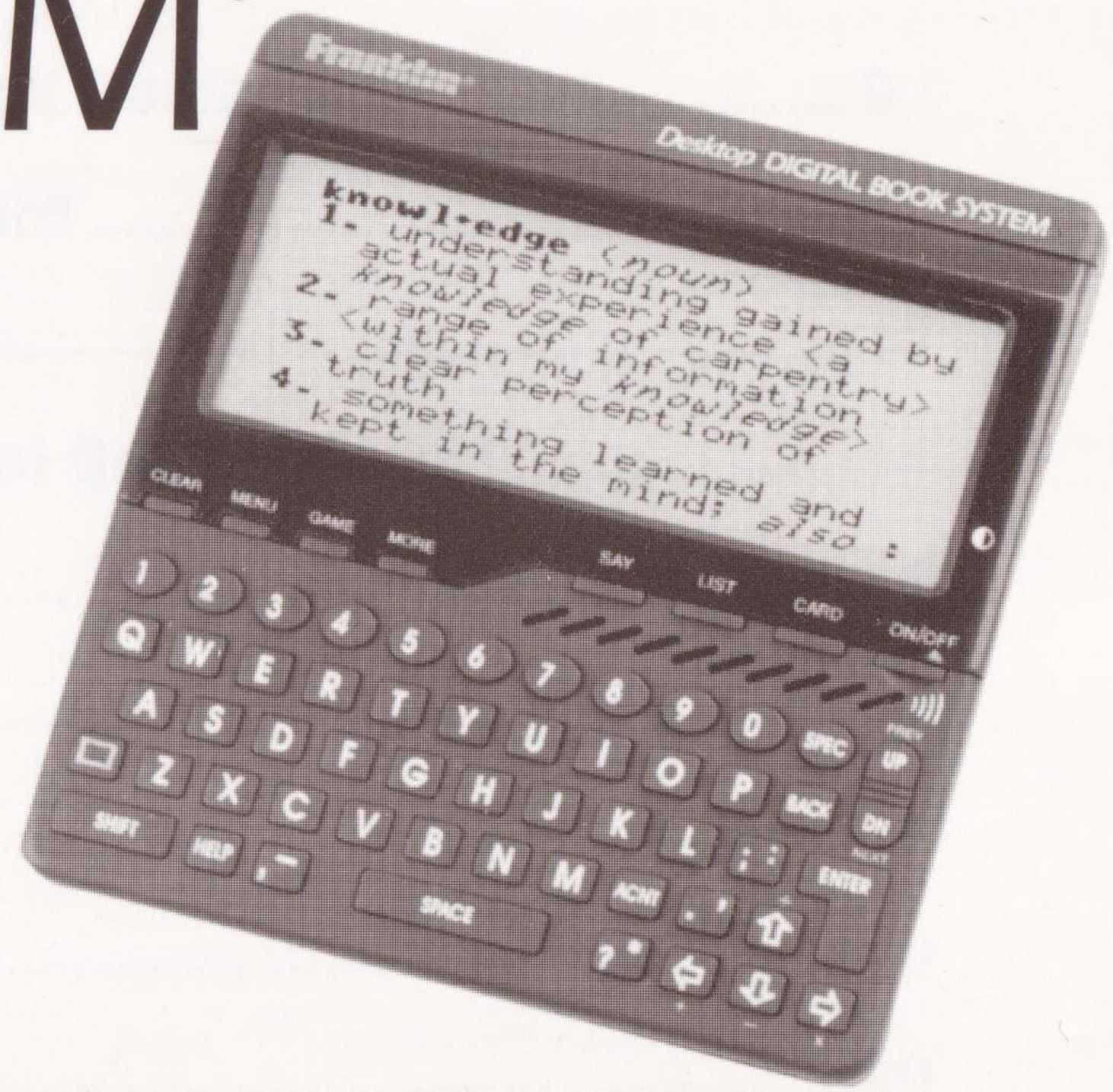
Desktop DIGITAL BOOK SYSTEM®



Basic Operating Guide

Read this Guide first ➡

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Your Desktop 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 can 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 Desktop Digital Book System Do?

At home, work, or school, you can use the desktop 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,
- listen to audio digital books,
- switch between installed digital books, and
- highlight and send words between digital books.

The real power of the desktop 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, then look up the definition of a word in that article in a dictionary digital book.

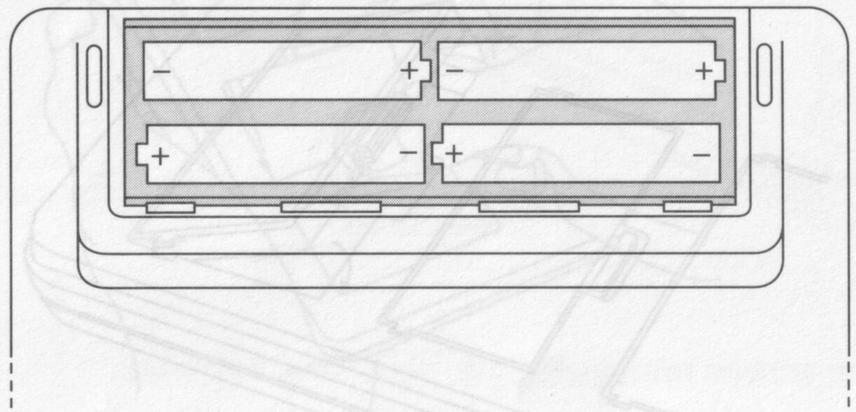
How to Use This Guide

Before you use the desktop 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 desktop Digital Book System is powered by four AA batteries. Here's how to install them.

1. ***Turn the desktop Digital Book System off.***
2. **Press down and then slide off the battery cover on the back.**
3. **Insert the batteries with their plus signs aligned as shown below.**
4. **Replace the battery cover.**



When the batteries are low on power, you'll see a warning message on screen. Replace all four batteries before their power runs out.

Have new batteries on hand before you start. If you remove the batteries for more than two minutes, information that you entered in currently installed digital books may be erased. Never mix old and new batteries, or remove batteries while the unit is on.

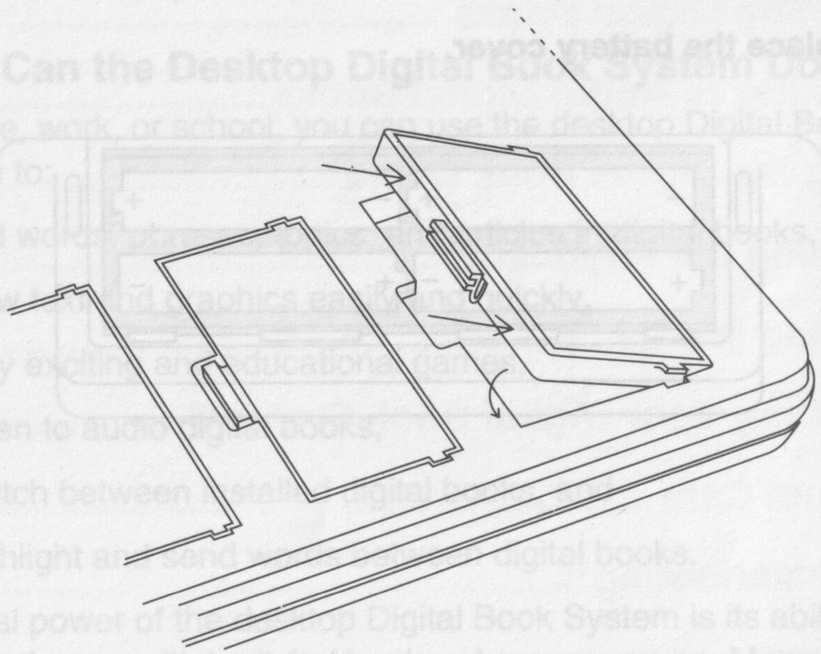
Installing Digital Books

The desktop Digital Book System works only when digital books are installed. If you install only one digital book, it doesn't matter which book slot you use.

1. ***Turn the desktop Digital Book System off.***

2. **Insert a digital book into any digital book slot.**

3. **Snap the digital book into the slot.**



Align the book's tabs with the notches in the slot.
The book's metal contacts should face down.

Never install a digital book while the desktop digital book system is on. If you do, information that you entered in that book could be erased.

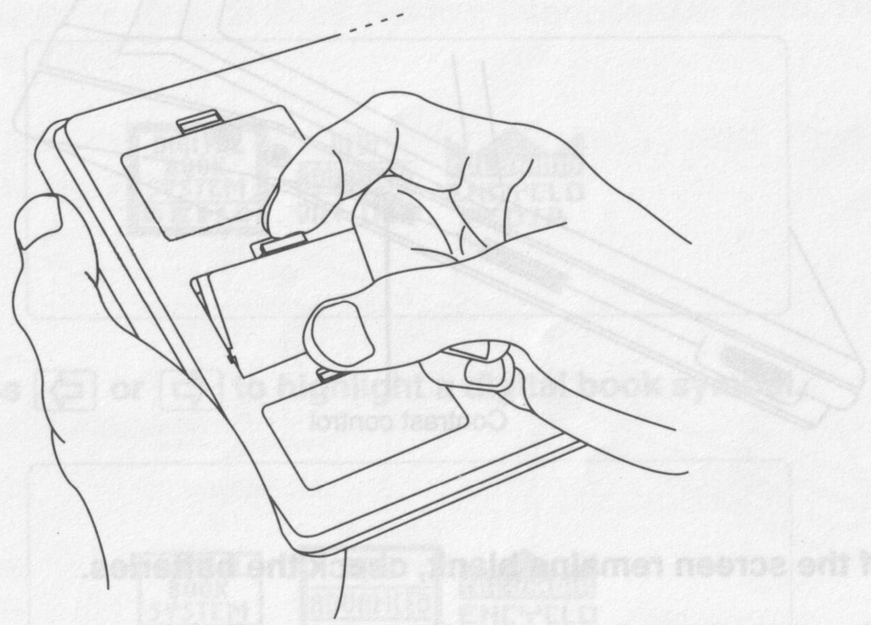
Removing Digital Books

Here's how to remove and replace your digital books.

1. ***Turn the desktop Digital Book System off.***

2. **Compress the tab on an installed digital book.**

3. **Pull the digital book from the book slot.**



Don't pry a digital book's tab with a pen or pencil.

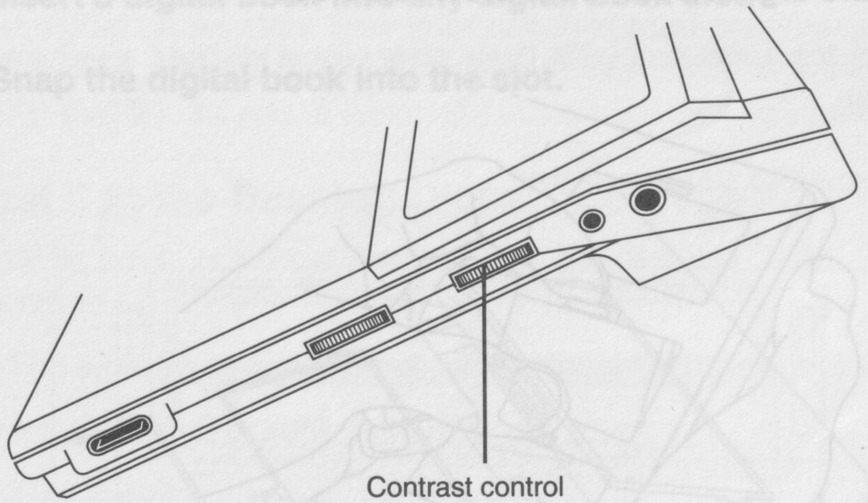
Never remove a digital book while the desktop Digital Book System is turned on. If you do, information that you entered in that book could be erased.

Starting Up

Once digital books are installed, you're ready to start using the desktop Digital Book System.

1. Press (ON/OFF).

2. Adjust the screen contrast to your liking.



3. If the screen remains blank, check the batteries.

See p. 3 of this Guide for information about the batteries.

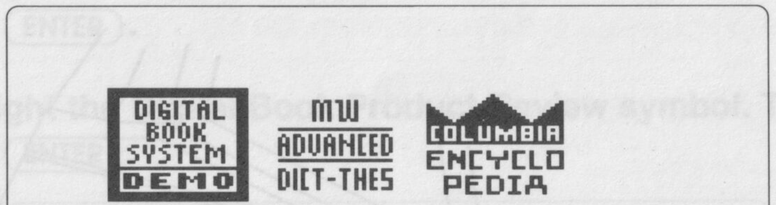
- The desktop Digital Book System has built-in shutoff timing.
- If you forget to turn off the desktop Digital Book System, it will shut off automatically after a few minutes.
- Many digital books allow you to adjust the shutoff timing.

Selecting Digital Books

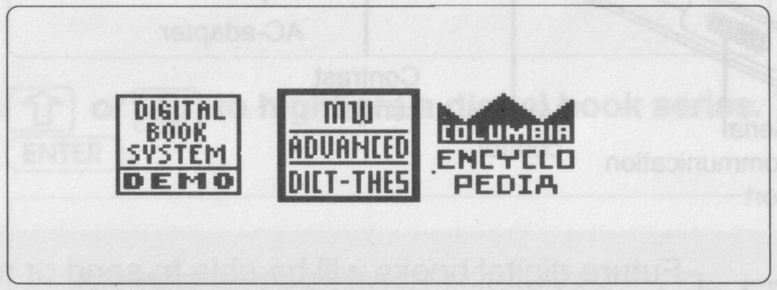
You can select installed digital books at any time by pressing (CARD), highlighting a book symbol, and then pressing (ENTER).

The book symbols in the example below are for the *Merriam-Webster® Advanced Dictionary* , *the Digital Book Demo and the Concise Columbia Encyclopedia.* You may have other digital books installed in your Digital Book System.

1. Press (CARD).



2. Press ⇦ or ⇨ to highlight a digital book symbol.



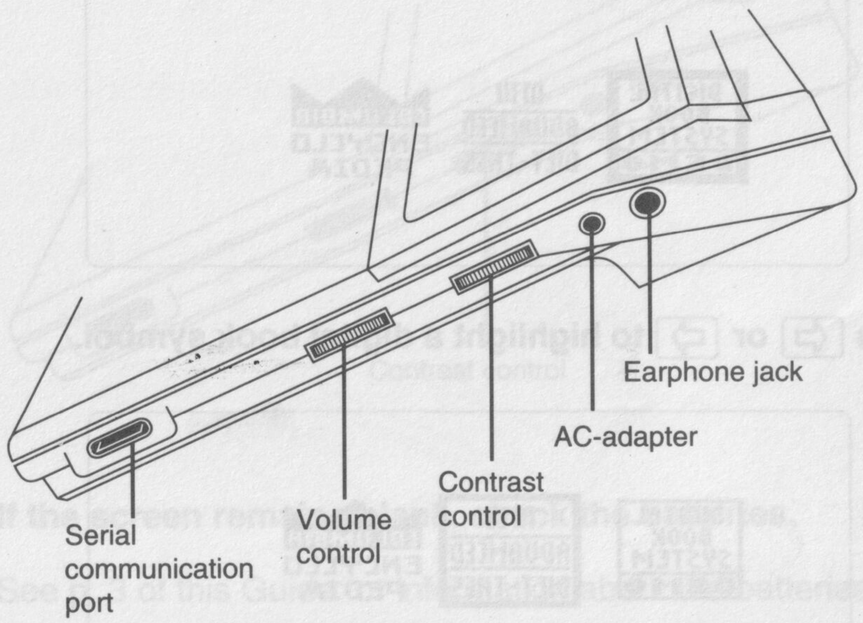
3. Press (ENTER).

4. To return to the other digital book, repeat the above steps.

Listening to Audio Digital Books

Some digital books are audio digital books. Audio digital books can include speech, music and sound-effects. The desktop Digital Book System includes a built-in speaker that allows you to enjoy the entire line of audio digital books. You can also plug standard headphones into your desktop Digital Book System.

With speaking digital books, you can generally hear a word pronounced by pressing (SAY). Use the volume control wheel on the right side of the unit to adjust the volume, if needed.



Future digital books will be able to send or receive information from personal computers. The serial communication port will allow you to plug your desktop Digital Book System into any device that has its own serial communication port (e.g., a personal computer or a modem). A serial port cable is supplied only with certain digital books. For instructions on how to use the serial port, read their User's Manuals.

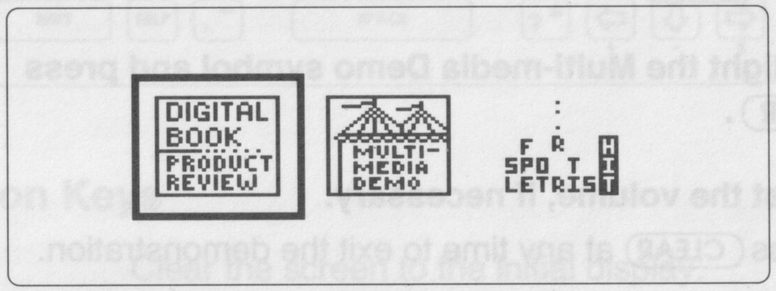
Using the Digital Book Demo

Some desktop Digital Book Systems come with a demonstration card already installed. If your desktop Digital Book System has a demonstration card installed, follow the instructions below. The demonstration card contains a listing of all Digital Book titles published by Franklin, a multi-media demonstration, and a word game called Letris.

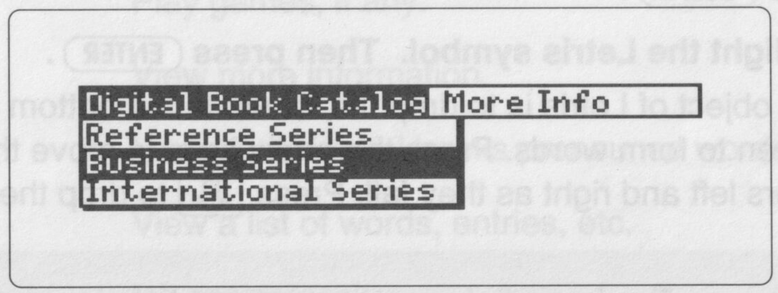
Reviewing Products

1. Highlight the Digital Book System Demo card symbol. Then press (ENTER).

2. Highlight the Digital Book Product Review symbol. Then press (ENTER).



3. Press ⇧ or ⇩ to highlight a digital book series. Then press (ENTER).



4. Press the ⇧ or ⇩ to highlight a title. Then press (ENTER).

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FRANKLIN PERSONAL
ORGANIZER (Model #IC-107)
A powerful 128K organizer
with six easy-to-use
functions.
```

5. To see more information about the book, press ⇩.

You can also press ▭ plus UP or DN to see information about the next or previous book in the list.

Viewing the Multi-media Demonstration

1. Press CLEAR.

2. Highlight the Multi-media Demo symbol and press ENTER.

3. Adjust the volume, if necessary.

Press CLEAR at any time to exit the demonstration.

Playing Letris

1. Press CLEAR.

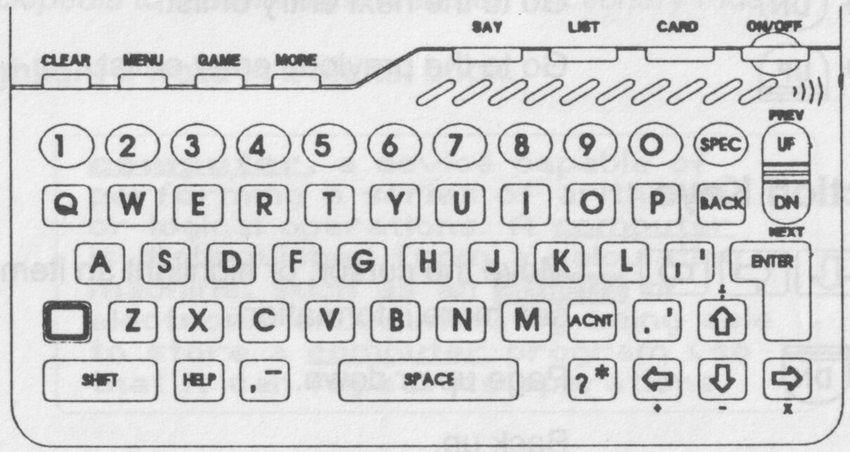
2. Highlight the Letris symbol. Then press ENTER.

The object of Letris is to drop the letters to the bottom of the screen to form words. Press the arrow keys to move the letters left and right as they fall. Press ⇩ to drop the letters.

To view a help message at any time, press HELP. To move down the message press ⇩ repeatedly. To exit a help message, press BACK.

Learning the Keyboard

This is a general guide to the desktop Digital Book System's keyboard. See the User's Manual and Quick Reference Card of each digital book to learn more about how the keys are used with each digital book.



Function Keys

CLEAR	Clear the screen to the initial display.
MENU	View a menu.
GAMES	Play games, if any.
MORE	View more information.
SAY	Hear audio digital books pronounce words.
LIST	View a list of words, entries, etc.
SPEC	Do special tasks.
CARD	Switch between installed digital books.
ACNT	Type accents over certain letters.

Gold Key Combinations*

[ ] + [↓]	Go to the bottom of an entry.
[ ] + [↑]	Go to the top of an entry or list.
[ ] + [DN]	Go to the next entry or list.
[ ] + [UP]	Go to the previous entry or list.

Direction Keys

[↑] [↓] [←] [→]	Move the cursor, or highlight an item, or see more information.
[UP] [DN]	Page up or down.
[BACK]	Back up.

Other Keys

[A] to [Z]	Type letters.
[0] to [9]	Type numbers.
[ENTER]	View an entry, or start a function.
[HELP]	View a help message.
[ON/OFF]	Turn the Digital Book System on or off.
[, -] [; :] [. '] [? *]	Type punctuation.
[SHIFT]	Shift keys.
[SPACE]	Type spaces.

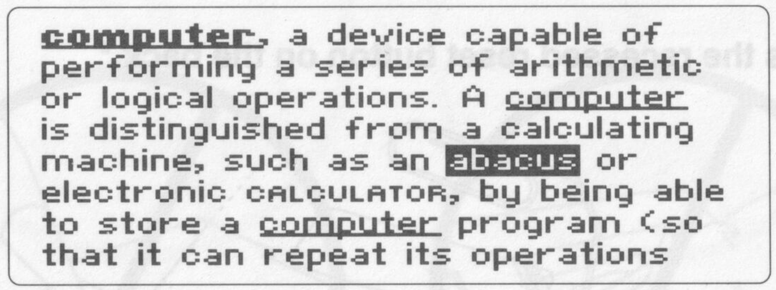
** Hold [ ] while pressing the other key.*

Sending Words

You can highlight and send words between related digital books. See the User's Manual of each digital book to learn how to highlight words in digital books.

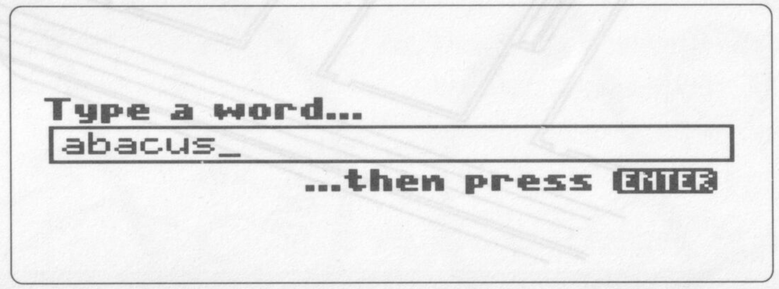
In this example, you'll send a word from the *Concise Columbia Encyclopedia* to the *Merriam-Webster® Dictionary Plus*.

1. Highlight a word in a digital book.



2. Hold [ ] and press [CARD].

3. Highlight the other digital book symbol. Then press [ENTER] to open the book.



4. Press [ENTER] again.

Most digital books can send and receive only one or two words at a time. Some cannot receive any words. See the User's Manual of each digital book for details.

Resetting Your Digital Book System

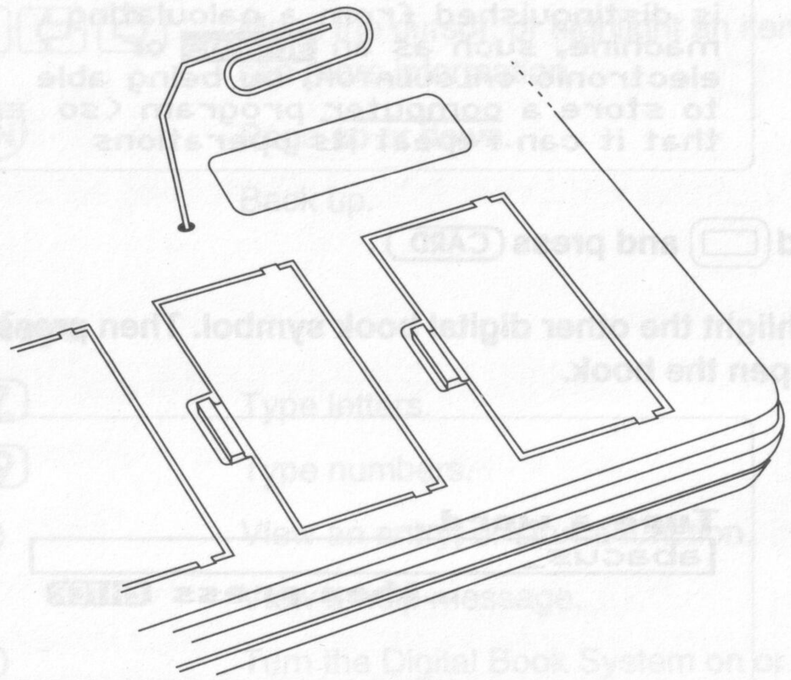
If the keyboard fails to respond, or the screen performs erratically, follow these steps to reset the desktop Digital Book System.

1. Press (CLEAR) .

2. Press (ON/OFF) twice.

3. Hold (CLEAR) and press (ON/OFF).*

4. Press the recessed reset button on the back.*



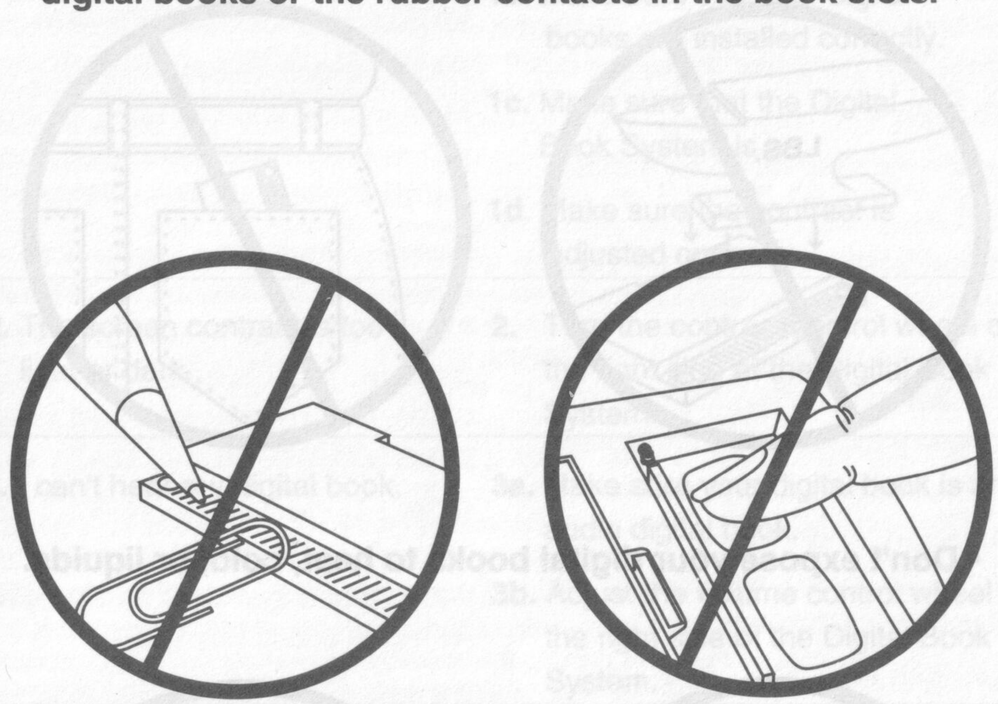
Use a paper clip, not a pen or pencil.

*Steps 3 and 4 will erase the current settings in your installed digital books, as well as any user-entered information saved in the digital book's memory.

Product Care

Follow these precautions when using your Digital Book System.

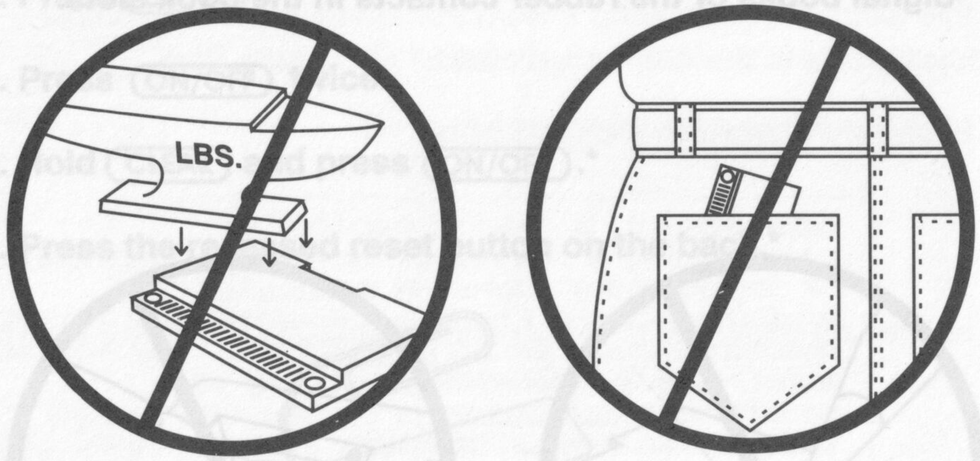
- **Don't touch the metal contacts on the back of digital books or the rubber contacts in the book slots.**



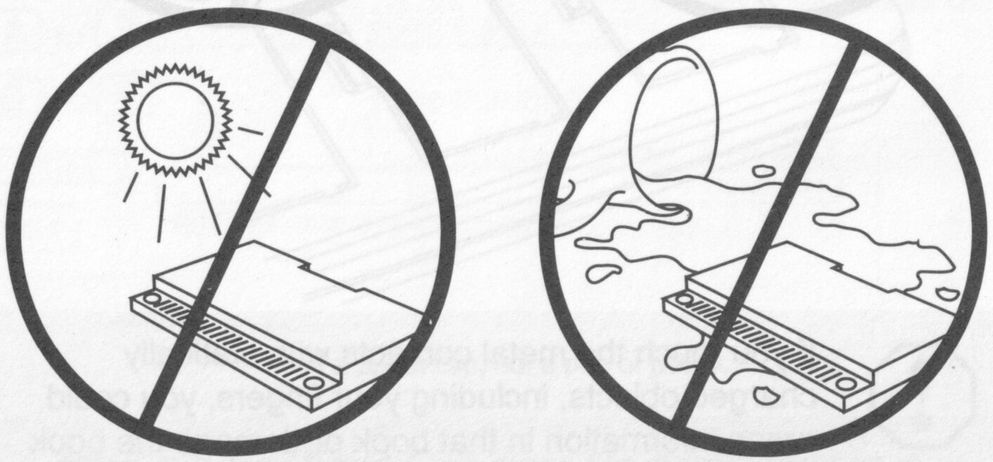
If you touch the metal contacts with statically charged objects, including your fingers, you could erase information in that book or damage the book itself.

If you touch the rubber contacts in the book slots, you could damage them.

• Don't put excessive pressure on your digital books or desktop Digital Book System.



• Don't expose your digital books to heat, cold, or liquids.



Troubleshooting

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

Glossary

Arrow keys • The four keys with arrows that let you move through menus and text.

Book slots • The three openings on the back of the Digital Book System into which the digital books (cards) are placed.

Card • Another name for a digital book.

Digital book • Small memory cards that store information in ROM.

Digital Book System • A portable unit that lets you search for and retrieve information instantly from digital books.

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

Function keys • The nine special keys. Each key pertains to one function.

Gold-key combinations • Perform certain functions by holding down while pressing other keys.

Help message • Information designed to assist you in understanding the screen that you are in when you press (HELP) . They tell you which keys to press at a given screen.

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

RAM (random-access-memory) • Memory that you can enter information to and delete information from. Not all digital books have RAM.

Reset • Returns the Digital Book System to its initial factory set state. To perform a **hard reset**, press the recessed reset button on the back of the unit. To preform a **soft reset**, press (ON/OFF) plus (CLEAR).

ROM (read-only-memory) • Memory programmed during manufacture that can't be changed. All digital books have ROM.

Screen • The liquid crystal display on which the Digital Book System shows information.

Scroll • Move up or down the screen to view information.

Serial port • The input/output connection through which the Digital Book System can send and receive information in certain digital books from a computer, modem, etc.

Shutoff time • Amount of time allowed before the Digital Book System 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-2D Specifications

CPU: 65C816
CPU Speed: 3 MHz
Asynchronous serial port
Internal speaker
Headphone jack
9-volt AC-adapter jack
Screen size: 10 line, 160 x 80 continuous pixel
Batteries: 4 x AA
Size: 143 x 149 x 32 mm (5-5/8 x 5-7/8 x 1 2/8")
Weight: 10.5 oz.
3 digital book slots
Full QWERTY keyboard with 9 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 built-in batteries.

Storing and Cleaning

When you're not using your desktop Digital Book System, keep three digital books (or blanks) installed in its book slots to prevent dust build-up.

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

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U.S. Patents: 4,490,811; 4,830,618; 4,891,775; 5,007,019; 5,113,340; 5, 203, 705; 5, 218, 536; 5,229,936; 5,153,831.
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