

User Manual
JUKEBOX FIVE
Automatic disk changer for the Macintosh



Macintosh SE/30



FIFTH GENERATION SYSTEMS *The Publishers of Suitcase II*

JUKEBOX FIVE

USER MANUAL

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GETTING STARTED

Chapter 1 Overview

JUKEBOX FIVE

Have you ever spent an entire afternoon loading and unloading stacks of floppy diskettes from your Mac? Then, you're familiar with the time involved in handling multiple diskettes.

Fifth Generation Systems has a solution - JUKEBOX FIVE. It's a new way to handle floppy diskettes and your Macintosh. JUKEBOX FIVE is an automatic disk feeder. It is a hardware device that attaches to your Mac and automatically feeds and ejects up to 15 floppies into your drive.

To make JUKEBOX FIVE the ultimate accessory for your Mac system, we have included a utility that formats multiple floppies, copies data from your hard drive to floppies, and duplicates multiple floppies.

JUKEBOX FIVE is also essential when backing up your hard disk to floppies. If you value backups, you are well aware of the time involved in making them. It takes a while; especially if you're doing a full backup.

JUKEBOX FIVE requires an AC adapter or 4 AA batteries to operate. An AC adapter is included with JUKEBOX FIVE. The technical requirements for the adapter are provided in **CHAPTER 9 MAINTAINING JUKEBOX FIVE**.

This manual is divided into three parts. **PART I OVERVIEW** discusses the features of JUKEBOX FIVE and the software program and orients you to the organization of the manual. **PART I** also helps you get started using JUKEBOX FIVE by taking you through the installation procedures for attaching the proper interface to JUKEBOX FIVE, mounting JUKEBOX FIVE to your Mac, making a working copy of the software and installing the software to your hard drive.

PART II USING JUKEBOX FIVE is a step-by-step guide for using the JUKEBOX software to format multiple floppies, copy information from your hard drive to floppies, and duplicate multiple floppies. **PART II** includes suggestions for using JUKEBOX FIVE to make backups of your hard drive.

PART III REFERENCE is a quick reference guide for using the the software program to format, copy and duplicate floppy diskettes. The reference chapter is intended for those who want a brief explanation of each feature. It includes a chapter on special cleaning requirements for keeping JUKEBOX FIVE in the best operating condition. A **TROUBLESHOOTING** guide is also included in the **REFERENCE** providing suggestions for overcoming problems you may have when using JUKEBOX FIVE or its software.

A **GLOSSARY** is included to help familiarize you with the terminology used in this manual.

For further assistance with JUKEBOX FIVE, please contact FIFTH GENERATION SYSTEMS' Technical Support (number listed on back cover of manual).

Chapter 2

Mounting Jukebox Five

Power Supply / Batteries

In this chapter, you will learn how to attach the proper interface plate to JUKEBOX FIVE and mount the JUKEBOX FIVE on your Macintosh computer.

JUKEBOX FIVE is equipped with an AC adapter jack on the right-hand side of the enclosure. As a convenience to you, we have included the AC adapter in the package. To avoid damage to your JUKEBOX FIVE, use only the adapter accompanying JUKEBOX FIVE. The technical specifications for the adapter are provided below:

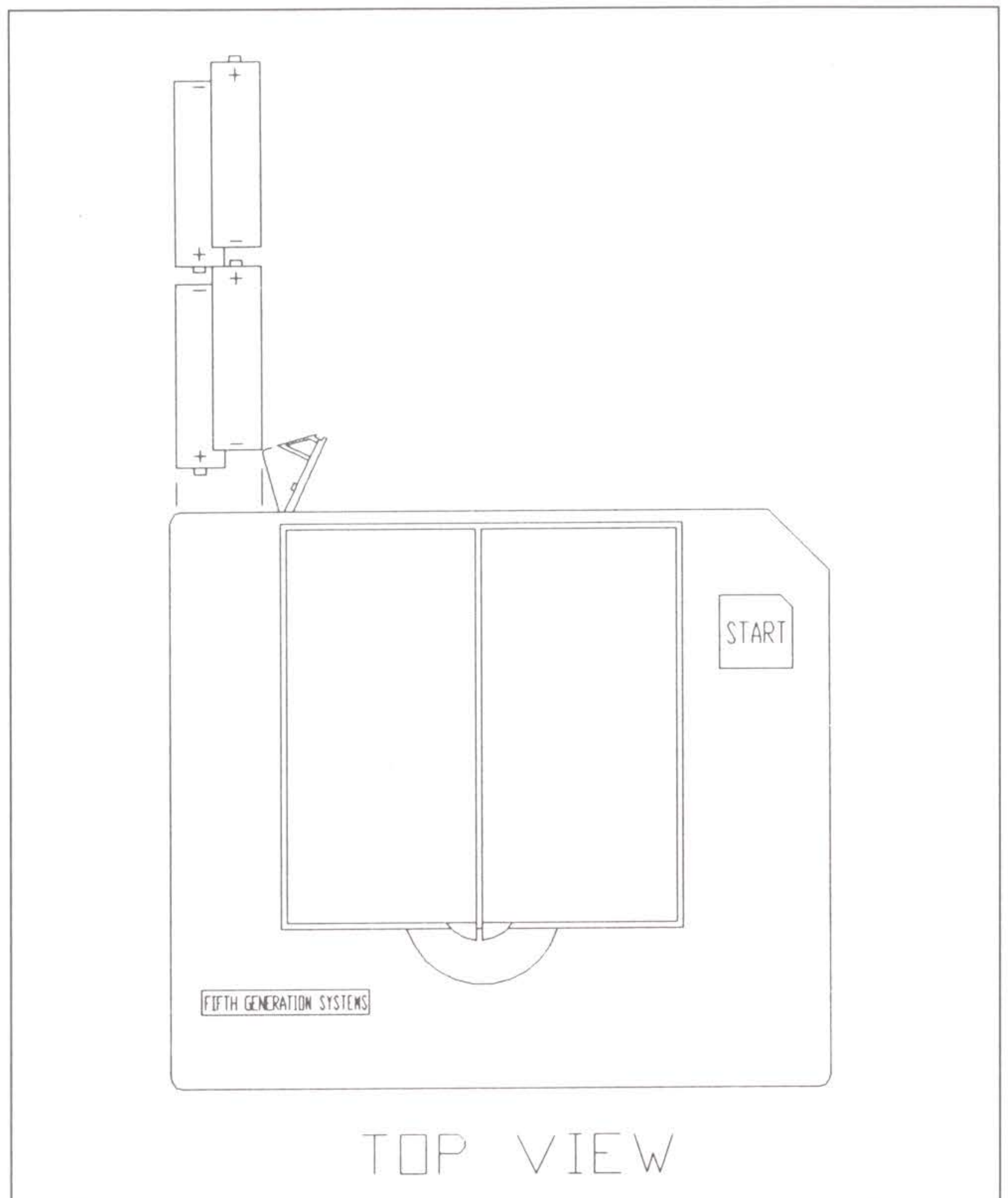
Input Voltage: 115Vac +/- 10%; 60Hz

Output Voltage: 6 Vdc @ 800 mA

Center pin = Ground

Outer pin = +6 Vdc

JUKEBOX FIVE can also be run with 4 AA batteries. On the left side of JUKEBOX FIVE (opposite the **START** button), find the battery compartment. Open the door with a fingernail or coin and place the batteries inside. The bottom batteries should go in the compartment with the + end facing in, and the top batteries go + end facing out. (See diagram on next page and label on the bottom of JUKEBOX FIVE.)



Inserting Batteries

Self-Test

After you have attached the adapter to JUKEBOX FIVE, plug it into an electrical outlet. Press the **START** (blue) button on JUKEBOX FIVE and release it.

The carriage (black plastic part) inside should move from the front to the back of JUKEBOX FIVE; then return to the front. This is called a "cycle." If your JUKEBOX FIVE does not complete a cycle, refer to **CHAPTER 10, TROUBLESHOOTING**.

Interface Plates

The 3 interface plates are each labelled according to the Macintosh model family they are designed to fit. The interface plates are metal pieces that slide on the front of JUKEBOX FIVE allowing it to hang

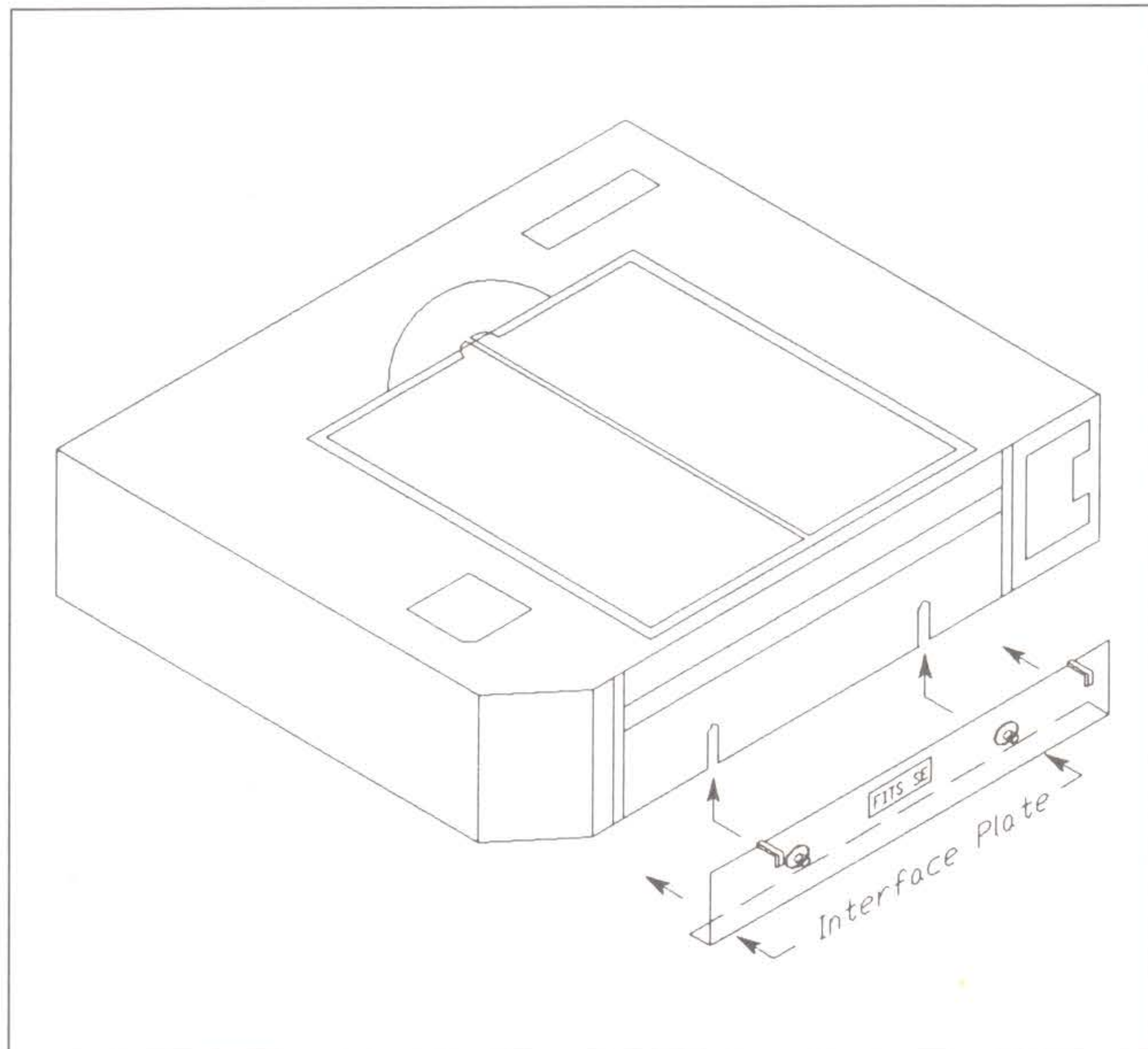
from the floppy disk drive on the computer. The table below will help you select which plate to use.

LABEL SHOWS	PLATE FITS
SE family	SE, and SE/30 (designed to fit only on the lower drive)
II family	II, IIfx, and IIx (designed to fit only on the right hand drive)
IIcx family	IIcx, and IIci

NOTE: JUKEBOX FIVE is not designed to fit on PLUS or PORTABLE models.

Once you decide which interface plate to use, put the other two away for safekeeping. You may want to use JUKEBOX FIVE on a different Macintosh model in the future.

The plate fits on JUKEBOX FIVE such that the white engagement pins (on the side opposite the plate's label) fit in the slots on the front of JUKEBOX FIVE; and the sides of the plate fit under the grooves on the JUKEBOX FIVE. Slide the required interface plate up, and press it firmly onto JUKEBOX FIVE.



Attaching Interface Plate

Mounting Procedures

Before mounting the JUKEBOX FIVE on your Mac, be sure no floppy disk is inside the floppy drive.

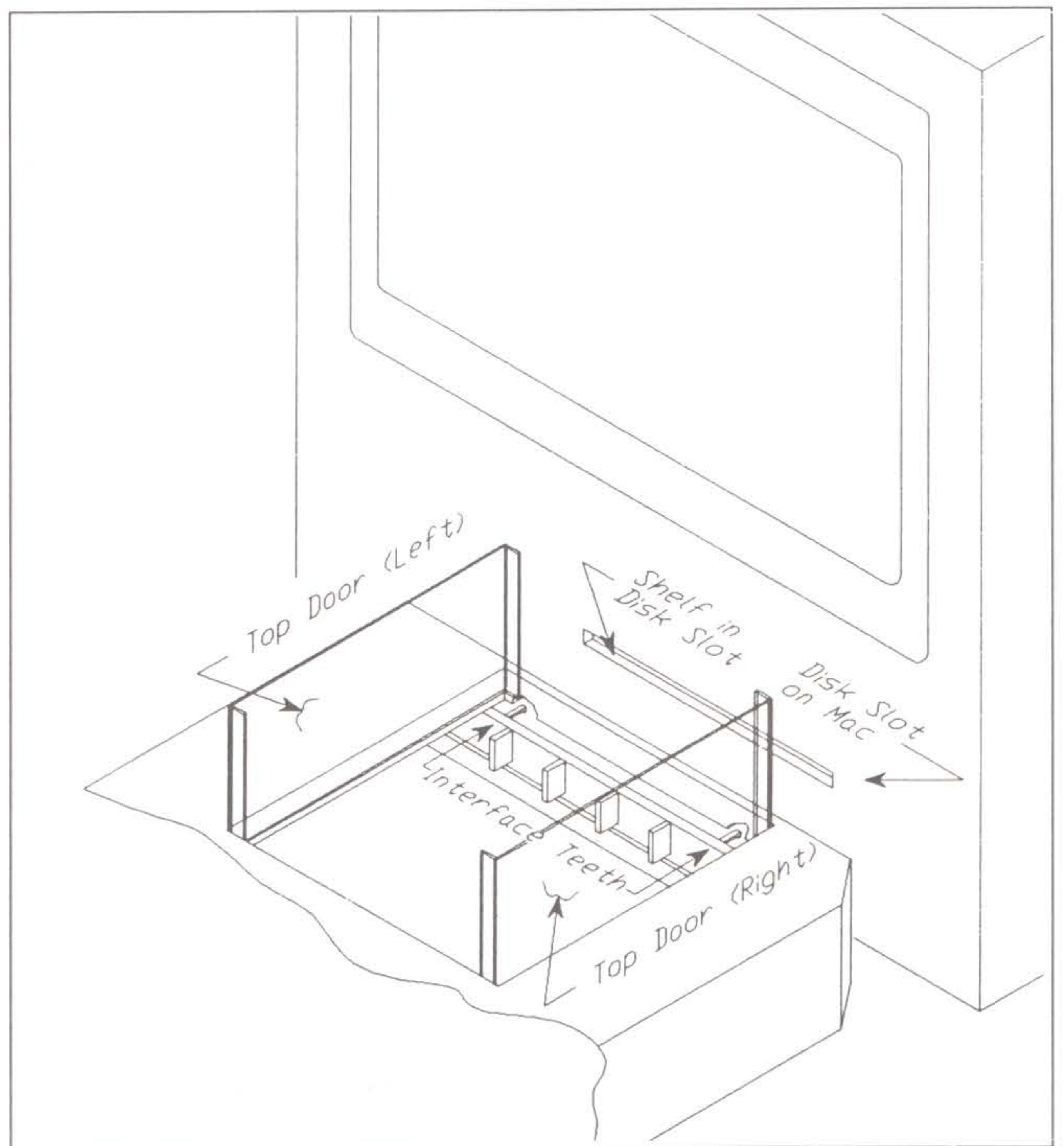
After you have attached the appropriate interface, open the doors of JUKEBOX FIVE. The top doors should be perpendicular to the top of the unit (forming a 90° angle from JUKEBOX FIVE), and the bottom doors should be a bit less than vertically straight (slightly less than a 90° angle).

Hold JUKEBOX FIVE with both hands. Press the **START** button and hold it down. The carriage must be at the back end of the JUKEBOX FIVE as you mount it on your Mac.

CAUTION: The metal interface plates are intentionally designed to be the weak link which attaches the JUKEBOX FIVE to the computer. This minimizes the possibility of damage to either the JUKEBOX FIVE or the Macintosh in the event that excessive force is applied to the JUKEBOX FIVE. The interface plates will bend and be damaged if

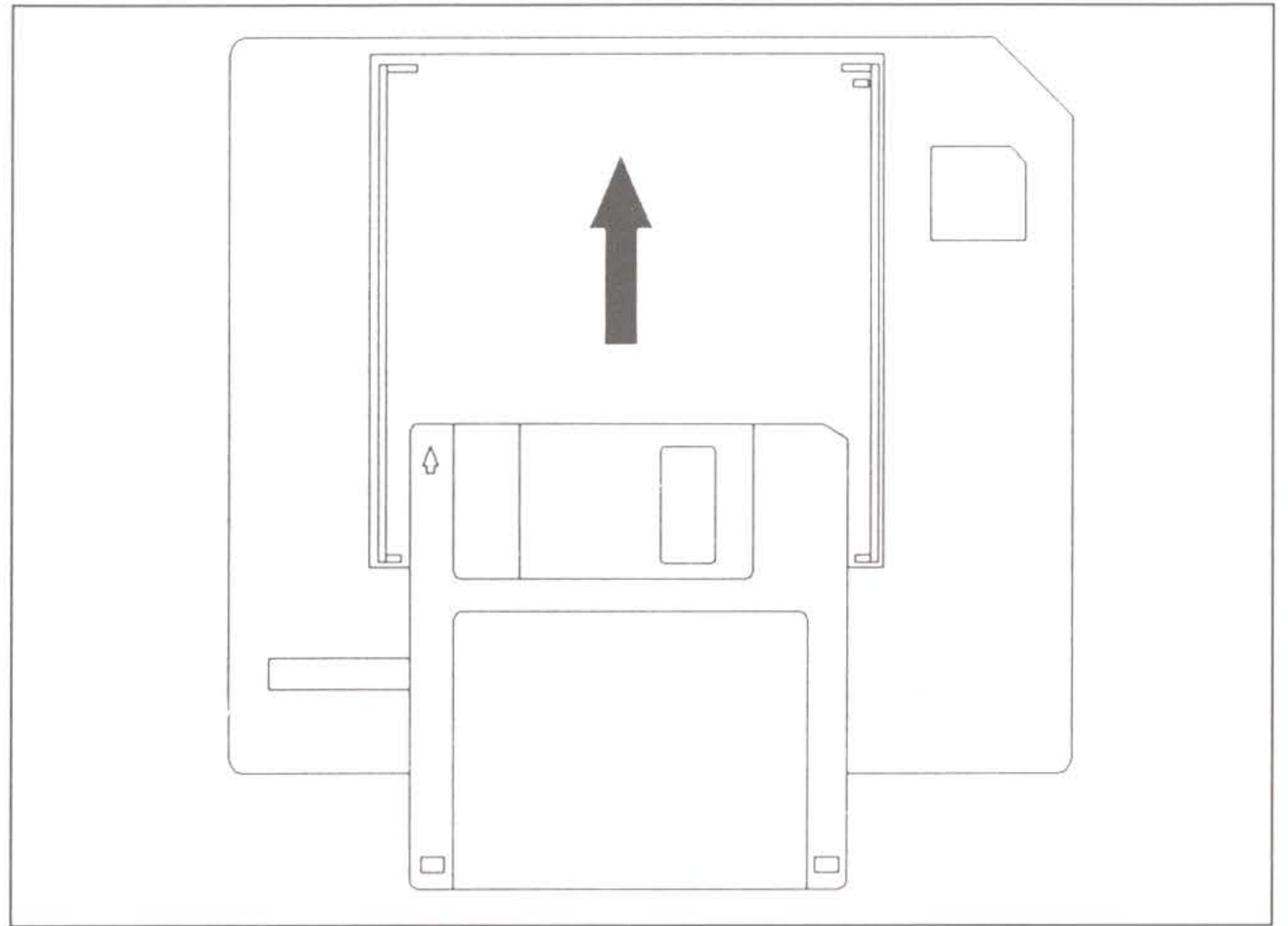
excessive force is applied during mounting. **When mounting the JUKEBOX FIVE, extreme care should be taken to ensure that the carriage has been retracted to its rear position by pressing and holding the START button.** Also be sure the hooked teeth are inserted all the way into the disk slot and are gently lowered behind the disk shelf so that these teeth are not deformed during mounting.

While holding the **START** button down, place the hooked teeth into the floppy disk slot and position JUKEBOX FIVE directly against the face of the Macintosh. You can watch what you are doing by looking through the opened doors. Lower the JUKEBOX FIVE so that the teeth hook into the slot and sit flat on the disk shelf as shown. After mounting JUKEBOX FIVE, release the **START** button.



Mounting the Jukebox Five

Now that JUKEBOX FIVE is mounted on your Mac, test it to see if everything is working properly. Place 2 floppy diskettes in the top hopper of JUKEBOX FIVE. The diskettes should face the same way they would face if you were inserting them into the drive.



Placing Diskettes in Jukebox Five

Press the **START** button on JUKEBOX FIVE. The first diskette is inserted. Once the disk icon shows on your screen, drag it to the Trash Can. JUKEBOX FIVE catches it as it comes out of the drive and drops it in the bottom hopper. The next floppy is inserted automatically in the drive.

You should handle the JUKEBOX FIVE with both hands to dismount it. The doors can be opened or closed. Remove all diskettes from the top and bottom hoppers. Press the **START** button and hold it down so that the carriage is in the back of the JUKEBOX FIVE.

While holding the **START** button down, lift the JUKEBOX FIVE slightly and remove it from your Mac. After you remove it, release the **START** button.

Dismounting Procedures

About Handling Floppy Diskettes

Make sure the sides of floppies are not contaminated with moisture or oils before placing them in JUKEBOX FIVE. When the sides of floppies are not clean, JUKEBOX FIVE may malfunction (or jam).

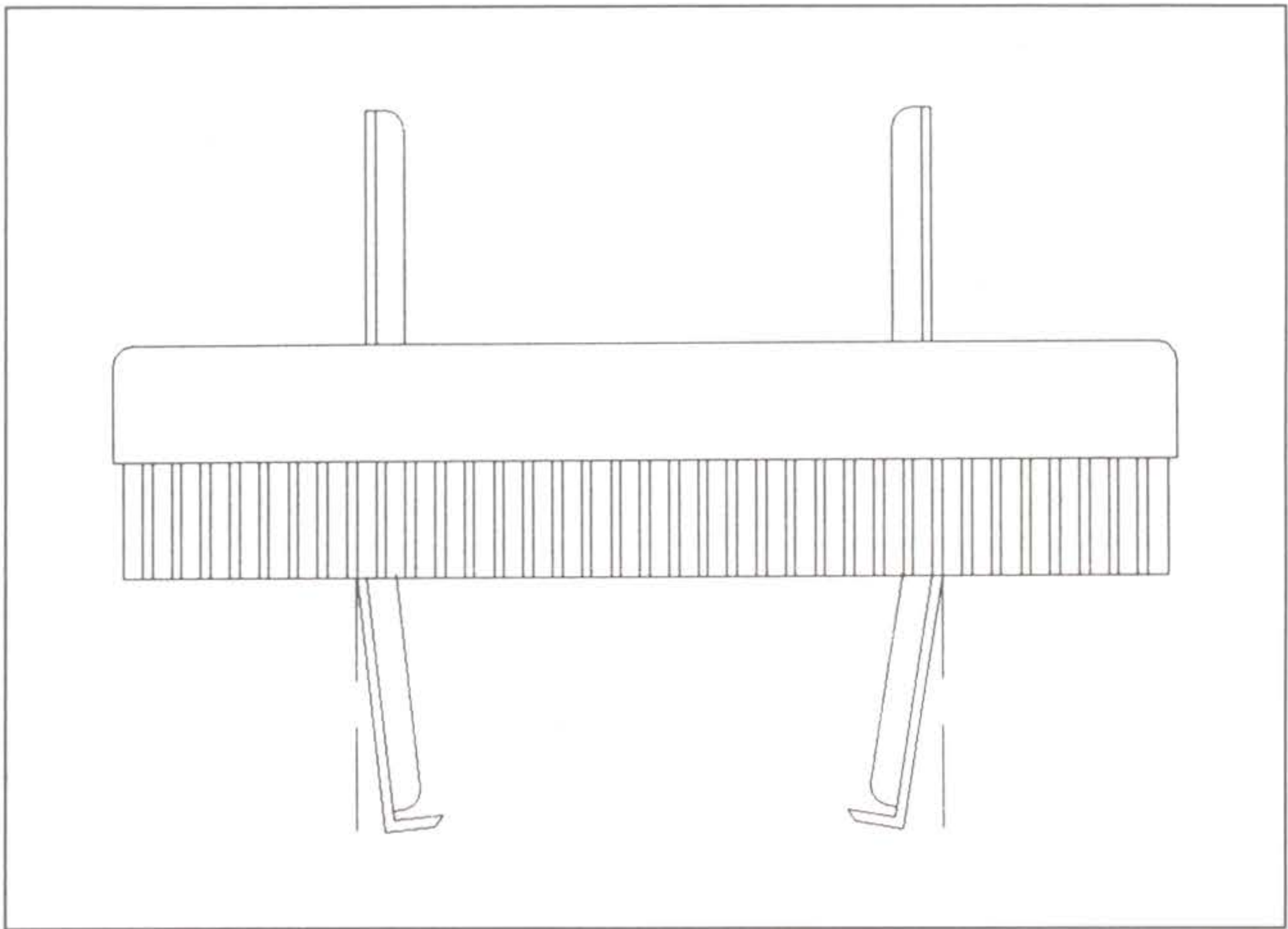
The diskettes are placed in the top hopper of the JUKEBOX FIVE with the doors opened perpendicular to the top of JUKEBOX FIVE (90° angle from the JUKEBOX FIVE). For easiest loading, you should place only 5 or 6 diskettes at a time in JUKEBOX FIVE until you have loaded the JUKEBOX FIVE with the required quantity of disks. (The bottom-most diskette in the top hopper will be inserted into the drive first; the top-most diskette in the top hopper will be inserted last.)

The diskettes fit into the JUKEBOX FIVE facing the way they face if you inserted them directly into the drive.

There is a small plastic rib molded into the top right door which will align itself with the small cut-out in the right-hand corner of the floppy disk. If the top doors won't align to a 90° angle properly after inserting disks, remove the stack and check for an upside-down disk in the stack, then reinsert with all disks stacked correctly.

CAUTION Under no circumstances should more than 15 diskettes be loaded into JUKEBOX FIVE at any time. The mechanism is designed to work properly with stacks of up to 15 diskettes only.

The bottom hopper holds the diskettes which have been loaded/unloaded by JUKEBOX FIVE. For best results, use the bottom hopper doors in their "catch" position (slightly less than a 90° angle from JUKEBOX FIVE see diagram below).



*Catch Position of Bottom Doors
(slightly less than a 90° angle)*

A Note About Backups

With JUKEBOX FIVE you can make a complete backup of your hard drive without having to insert all those floppies. Following are step-by-step procedures for using JUKEBOX FIVE with FASTBACK II.

Make sure the floppy drive is empty.

- 1 Mount JUKEBOX FIVE on your Mac. The top and bottom doors should be opened.
- 2 Place up to 15 diskettes, 5 at a time, in the top hopper of the JUKEBOX FIVE.
- 3 Locate the FASTBACK II icon, or your backup program's icon on your hard drive and double-click it.
- 4 Set FASTBACK II, or other, for a Full Backup.
- 5 When FASTBACK II asks for a disk to be inserted, press the **START** button on JUKEBOX FIVE.

When necessary, the diskettes will be exchanged and dropped in the bottom hopper. Depending on the size of the backup, however, JUKEBOX FIVE may need to be reloaded with floppies.

- 6 When the Backup is complete, select **Quit** from the Fastback II **FILE** menu (Q).



Chapter 3

Jukebox Five Software

Working Copy / Installation

In this chapter you will learn how to make a working copy of the JUKEBOX FIVE software, and install it on your hard drive. You should make a copy of the original diskette before using it.

Be sure to lock the original JUKEBOX FIVE diskette before copying it.

- 1 Insert the locked program diskette into the drive.
- 2 Drag the program icon to the hard drive icon. A prompt tells you when the process is complete.

At this point, the program is installed on your hard drive.

- 3 Choose **Eject** from the **FILE** menu (E). When the program diskette comes out, remove it and insert a blank diskette. If necessary, format and name it.
- 4 Drag the program disk icon from the hard drive to the new disk icon.
- 5 A dialog box appears reporting the progress of the copy. The copy is complete when the dialog box disappears.

USING JUKEBOX FIVE

Chapter 4 Formatting Diskettes

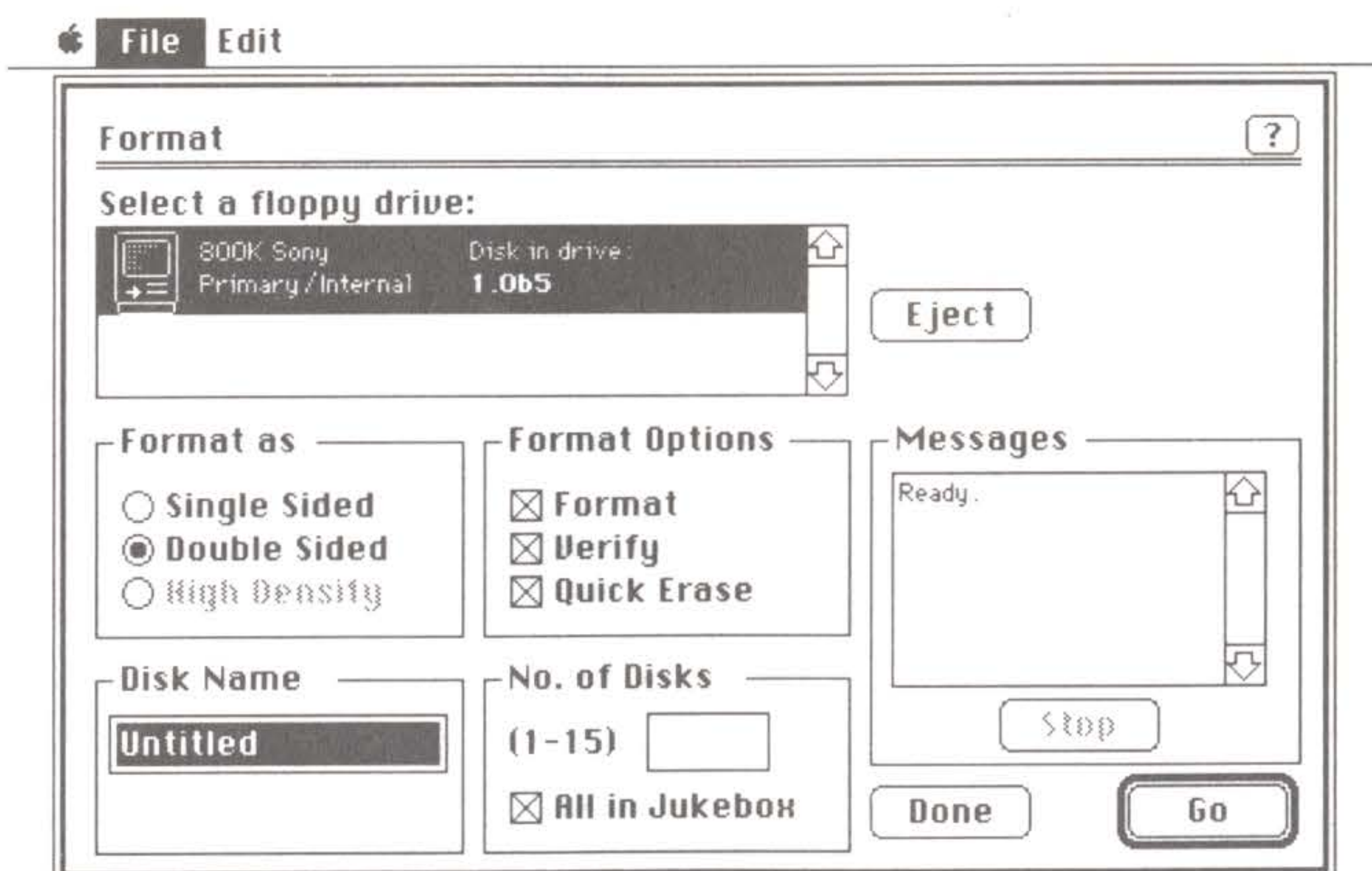
ONLINE HELP

To view the HELP screen, click the  button. When you are done, click in the HELP screen.

In this chapter, you will learn how to format/initialize multiple diskettes using JUKEBOX FIVE.

Before formatting, be sure the floppy drive is empty.

- 1 Mount JUKEBOX FIVE on your Mac. The top and bottom doors should be opened. Place up to 15 diskettes, 5 at a time, in the top hopper of the JUKEBOX FIVE.
- 2 Locate the JUKEBOX FIVE application icon on your hard drive and double-click it to launch the program.
- 3 Select **Format** from the **FILE** menu ( F). The FORMAT dialog box appears.



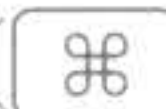
- 4 A drive list in the upper part of the window shows the available floppy drive(s). If necessary, use the scroll bar to view any other available drives. This list also shows the status of any other disk in the floppy drive. If necessary, select the drive icon corresponding to the appropriate drive to which JUKEBOX FIVE is mounted.

- 5 In the **Format as** area, select the type of format you want to apply to your diskettes. The default setting corresponds to the type of floppy in the drive.
- 6 The **Format Options** area lets you decide the format options to apply when formatting floppies. Click in the box(s) that corresponds to your choice. (**Format** initializes all the floppies, **Quick Erase** deletes all the files from the floppy but does not format floppies, and **Verify** reports the format/erase status.) An x in any box indicates the option is selected.
- 7 You can name your diskettes in the **Disk Name** box. Delete **Untitled** by highlighting it, and pressing the Delete Key or by entering the new name. All disks will have the name typed in the **Disk Name** box.

The tab key also moves the cursor from the **Disk Name** box to the **No. of Disks** box.

- 8 The **No. of Disks** area lets you tell JUKEBOX FIVE how many disks to format. Enter a number between 1 and 15 or select **All in JukeBox**.
- 9 Once you have entered all this information, click **GO** (or return).
- 10 Press the **START** button on JUKEBOX FIVE.

When necessary, the diskettes will be exchanged; the formatted floppies are dropped in the bottom hopper. JUKEBOX FIVE reports its progress in the **Messages** area. To stop formatting at any time, click **STOP**.

- 11 When the procedure is complete, click **DONE**. To exit the program, select **Quit** from the **FILE** menu ( Q).

Chapter 5

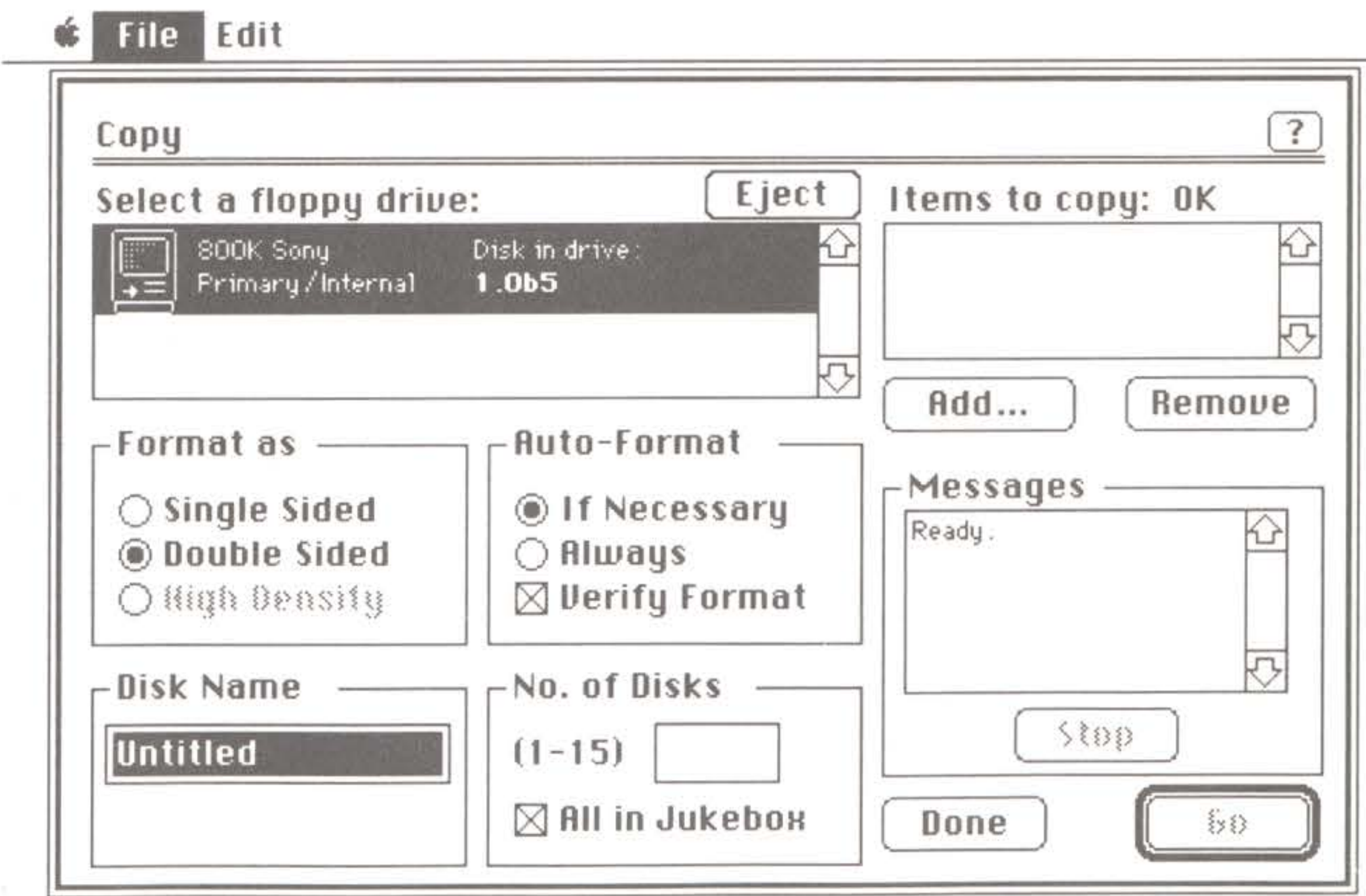
Copying Folders and Files

In this chapter, you will learn how to copy folders and files from your hard drive to floppies using JUKEBOX FIVE. Copy allows you to duplicate files and folders from your hard drive to multiple floppies. Copy does not add files to the floppies. For this procedure, the diskettes do not have to be formatted.

Before formatting, be sure the floppy drive is empty.

- 1 Mount JUKEBOX FIVE on your Mac. The top and bottom doors should be opened. Place up to 15 diskettes, 5 at a time, in the top hopper of the JUKEBOX FIVE.
- 2 Locate the JUKEBOX FIVE application icon on your hard drive and double-click it to launch the program.
- 3 Select **Copy** from the **FILE** menu (**⌘C**). The COPY dialog box appears.

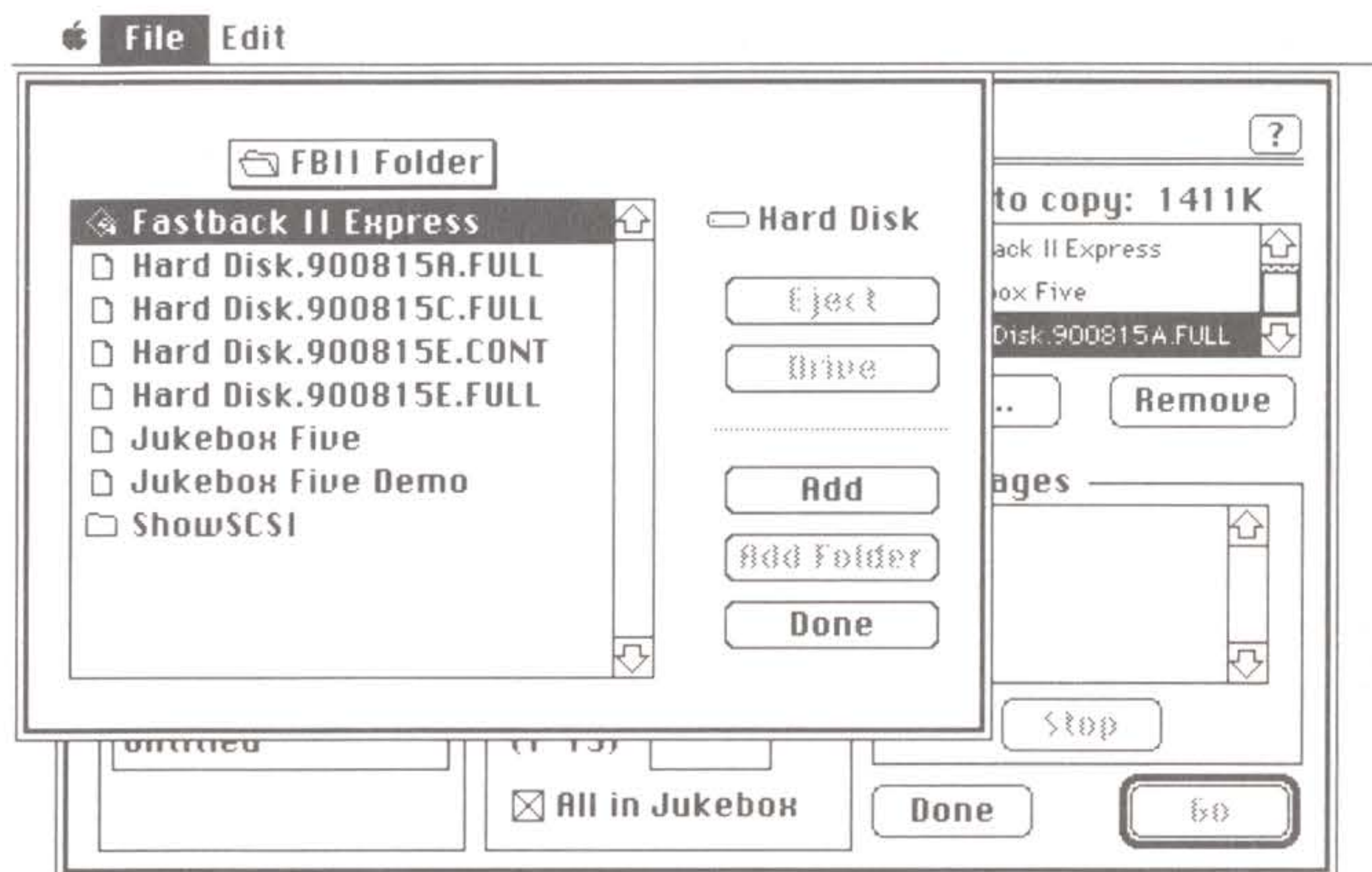
ONLINE HELP
To view the HELP screen, click the **?** button. When you are done, click in the HELP screen.



- 4 A drive list in the upper part of the window shows the available floppy drive(s). If necessary, use the scroll bar to view any other available drives. This list also shows the status of any other disk in the floppy drive. If necessary, select the drive icon corresponding to the

appropriate drive to which JUKEBOX FIVE is mounted.

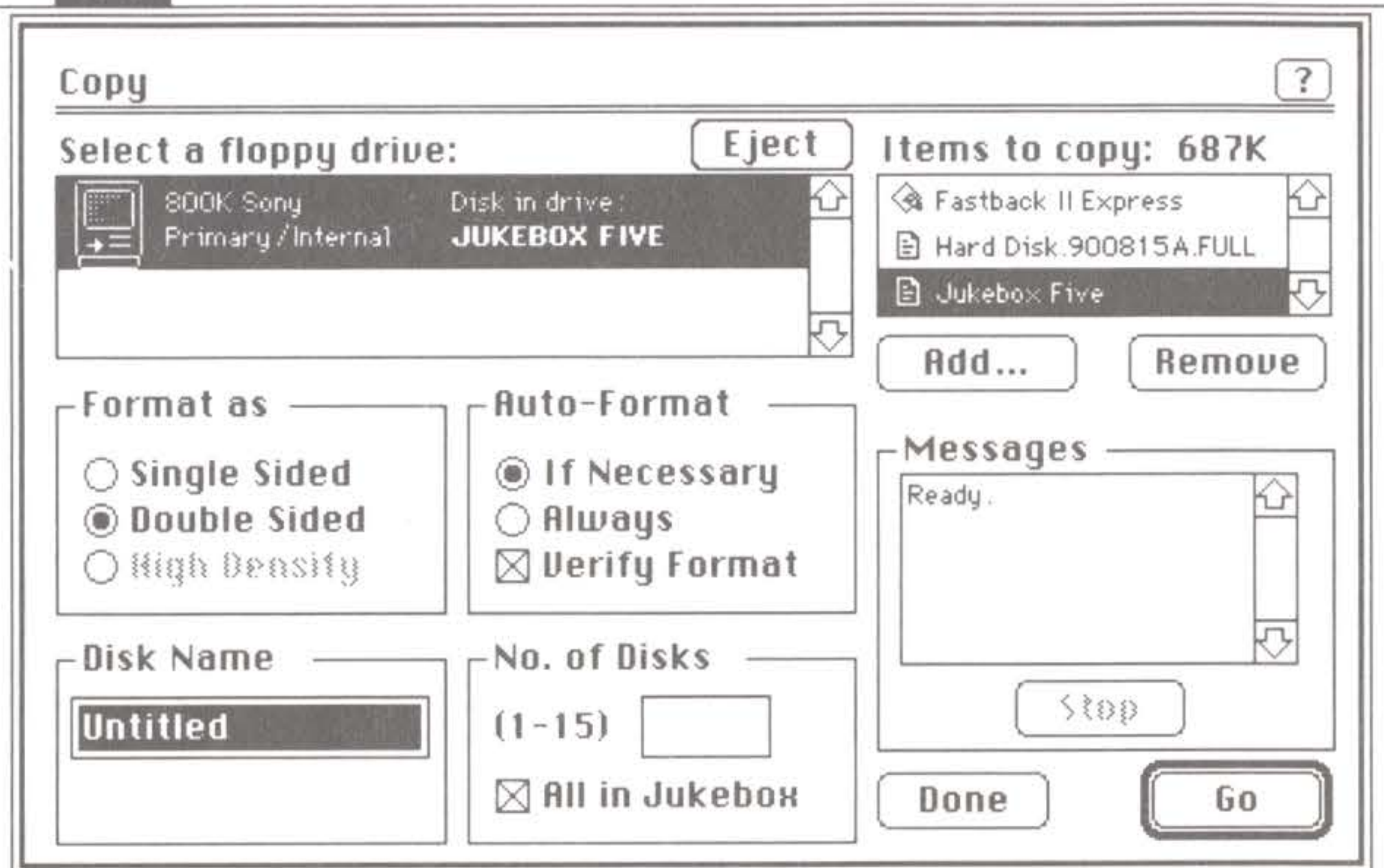
- 5 Click **Add** to copy folders/files. Use the **Drive** button if necessary to locate folders/files.



Adding Files and Folders

To add a folder(s) to the list, select it then click **Add folder**. To add file(s) to the list, double-click it or select it then click **Add**. To deselect folders/files, select them and click **Remove**.

- 6 When you are done selecting folders/files, click **Done** to return to the COPY dialog box. The folders/files you added to be copied are listed in **Items to copy**.



Items to Copy Box

- 7 In the **Format as** area, select the format you want to apply to your floppies.
- 8 The **Auto-Format** area lets you automatically format diskettes. (**If Necessary** formats floppies that are not already formatted, **Always** formats all floppies, **Verify Format** reports and verifies the format status.)
- 9 To name the floppies, delete **Untitled** in the **Disk Name** box by highlighting it, and pressing the Delete Key or by entering the new name. All disks will have this name.

The tab key also moves the cursor from the **Disk Name** box to the **No. of Disks** box.

- 10 The **No. of Disks** area lets you tell JUKEBOX FIVE how many disks to format. Enter a number between 1 and 15 or select **All in JukeBox**.
- 11 Once you have entered all this information, click **GO** (or return).
- 12 Press the **START** button on JUKEBOX FIVE.

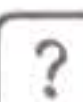
When necessary, the diskettes will be exchanged; the formatted floppies are then dropped in the bottom hopper. JUKEBOX FIVE reports its progress in the **Messages** area. To stop formatting at any time, click **STOP**.

- 13 When the procedure is complete, click **DONE**. To exit the program, select **Quit** from the **FILE** menu (Q).

Chapter 6

Duplicating Diskettes

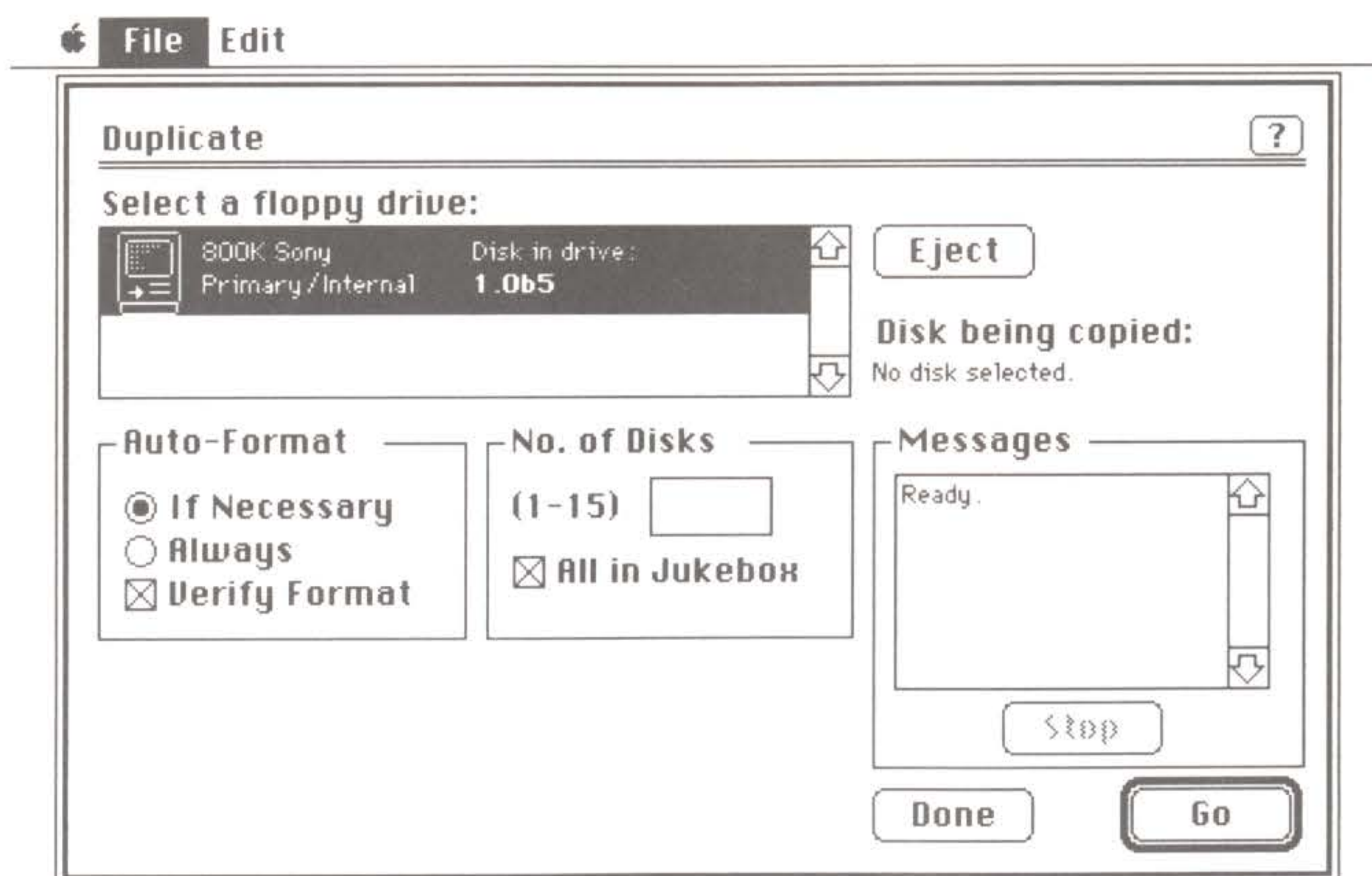
ONLINE HELP

To view the HELP screen, click the  button. When you are done, click in the HELP screen.

In this chapter you will learn how to make duplicate copies of floppy diskettes. Duplicate allows you to copy the entire contents of one floppy to various others. For this procedure, the floppies do not need to be formatted.

Be sure the floppy drive is empty.

- 1 Mount JUKEBOX FIVE on your Mac. The top and bottom doors should be opened. Place the diskette containing the data to be copied in the JUKEBOX FIVE first (as a precaution, lock the diskette being copied). Then place the blank diskettes (up to 15 will fit but place them 5 at a time) in JUKEBOX FIVE.
- 2 Select **Duplicate** from the **FILE** menu (D).



- 3 The list at the top of the window shows the available floppy drive(s). If necessary, use the scroll bar to view all drives. Select the drive on which JUKEBOX FIVE is mounted by clicking on it.
- 4 Select the desired **Auto-Format** option. (**If Necessary** formats floppies that are not already formatted, **Always** formats all floppies, and **Verify Format** reports the format status.)

- 5 Enter the number of diskettes to be duplicated, in the **No. of Disks** area.
- 6 Click **GO**. When the message "**Insert source disk to duplicate**" appears in the **Messages** area, press the **START** button on JUKEBOX FIVE. The **Disk being copied** message shows that the floppy is being duplicated. When necessary, the diskettes will be exchanged and dropped in the bottom hopper. To stop at any time, click **STOP**.
- 7 When the procedure is done, click **DONE**. To exit the program, select **Quit** from the **FILE** menu (Q).

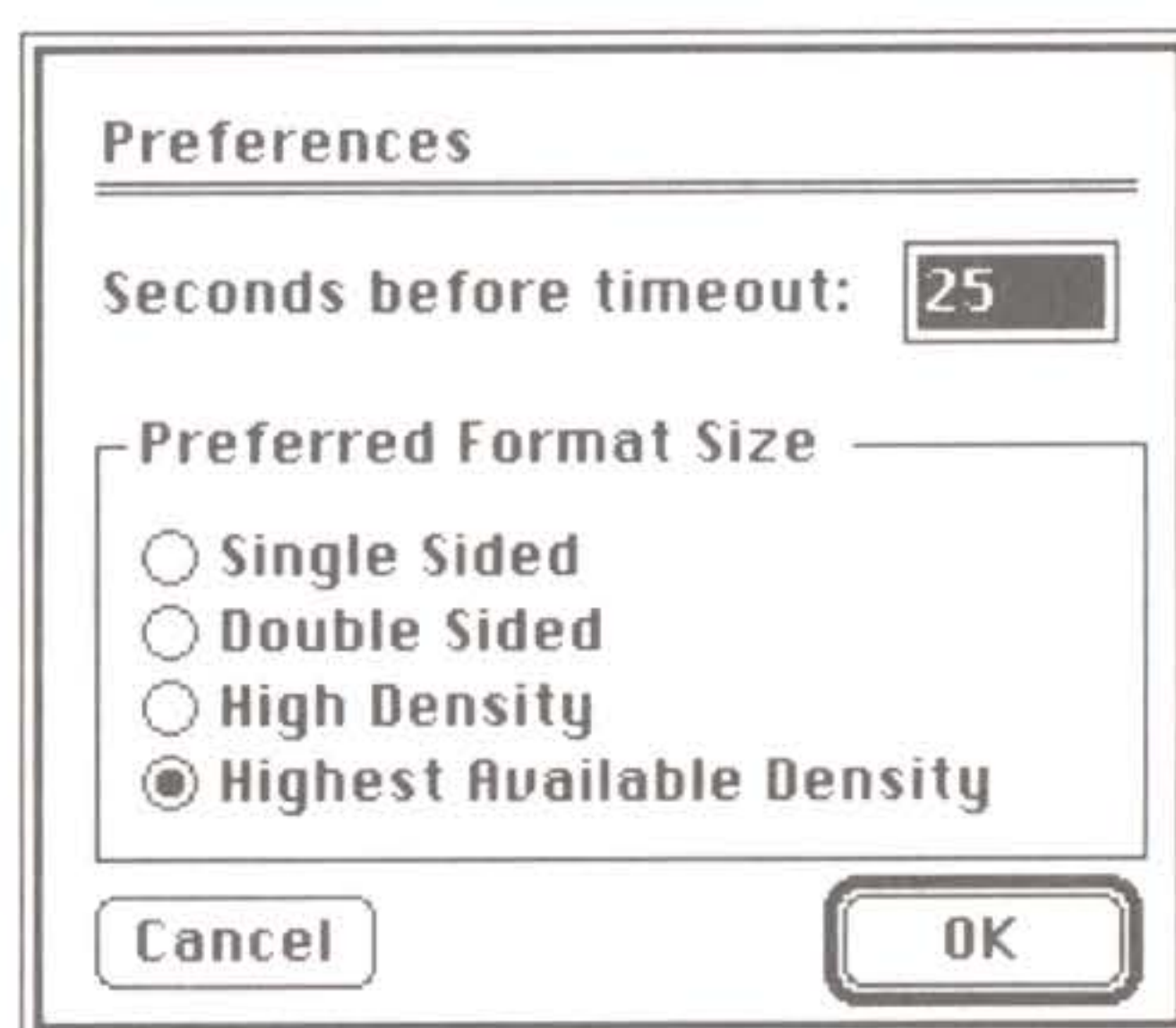
Chapter 7

Saving Preferences

Preferences let you save default settings for the time out (the time, in seconds, JUKEBOX FIVE waits for a disk to be inserted before it stops the procedure) and format options (Single Sided, Double Sided, High Density, Highest available density). Once these settings are saved as Preferences, JUKEBOX FIVE defaults to them.

- 1 Select **Preferences** from the **FILE** menu (**⌘P**).

⌘ File Edit



- 2 At the dialog box, enter the desired time out in seconds.
- 3 Select the desired format.
- 4 When you are done, select **OK**.

REFERENCE

Chapter 8 Jukebox Five Program Menus

FILE

This chapter provides you with a brief description of the features available with the JUKEBOX FIVE software. If you need more specific instructions on how to use the features to format, copy or duplicate, see **PART III USING JUKEBOX FIVE**.

FORMAT

Allows you to format diskettes, copy data from hard drive to floppy, or make duplicate copies of diskettes. Select the desired option from the **FILE** menu.

COPY

Allows you to format up to 15 diskettes continuously.

DUPLICATE

Allows you to copy folders or files from your hard drive to diskettes.

PREFERENCES

Allows you to copy the entire contents from one diskette to many others.

Allows you to set the default "time out," in seconds, the JUKEBOX FIVE software waits for another diskette to be inserted before it stops the procedure. Preferences also allows you to save a default format option for **Auto-format**.



Chapter 9

Maintaining Jukebox Five

Batteries

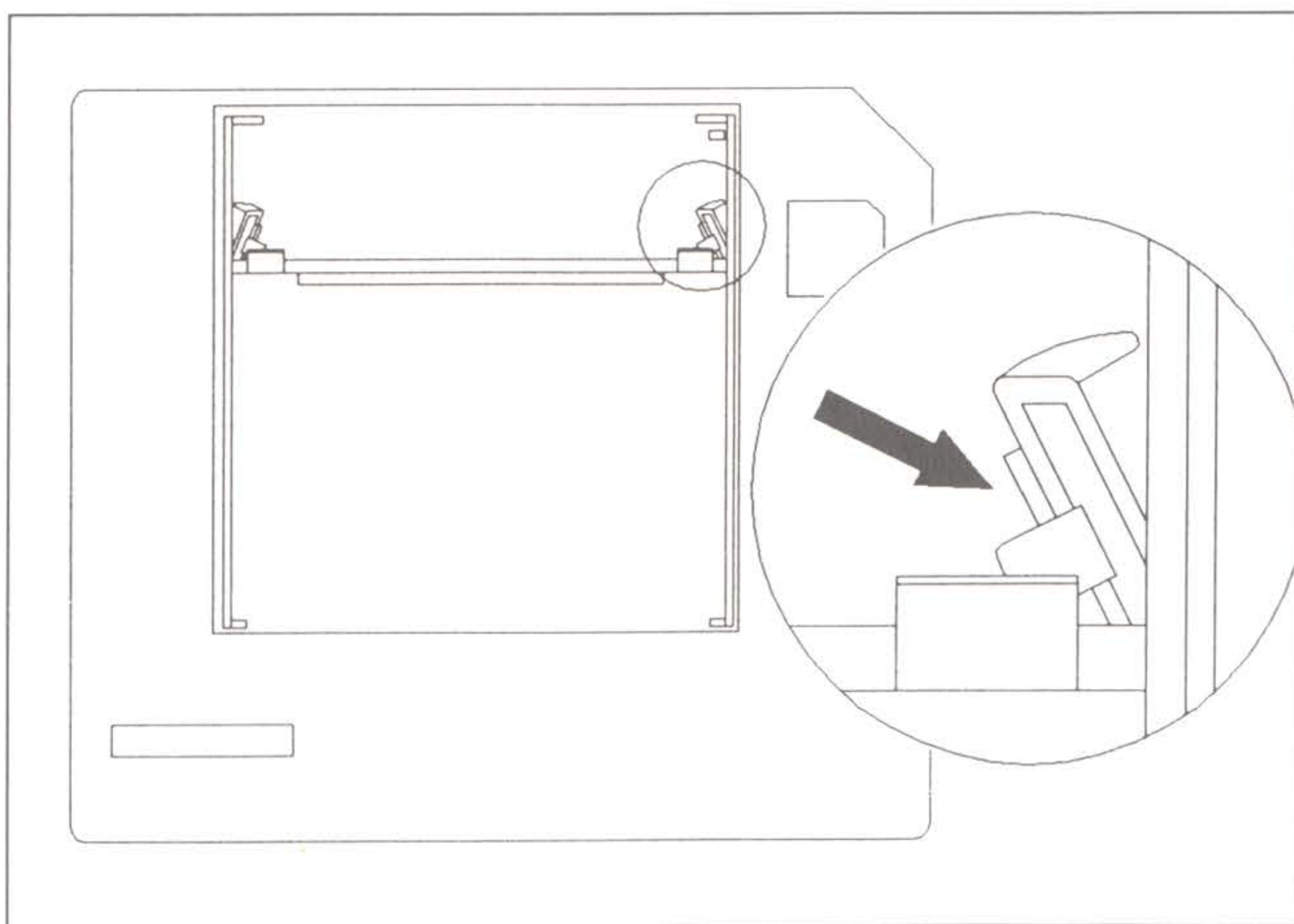
This chapter provides some helpful hints for maintaining JUKEBOX FIVE.

You should always use fresh alkaline batteries. As batteries weaken, JUKEBOX FIVE's performance will degrade. After 300 disks are run in JUKEBOX FIVE, the batteries should be changed.

Cleaning JUKEBOX FIVE

After you have run 300 disks in JUKEBOX FIVE or each time you replace the batteries, you should clean the rubber gripper pads. JUKEBOX FIVE is most likely to jam when the rubber gripper pads are dirty. The pads will naturally get soiled with use; so, cleaning is a must.

To clean the pads, you should only use rubbing alcohol and cotton swabs. The pads are located in the front of the JUKEBOX FIVE (near the **START** button) on the carriage and are easy to spot because they are white. Moisten a cotton swab with alcohol and brush the cotton swab over each pad. Allow the pads to "air dry."



Gripper Pads

Cleaning Floppies

You should always clean diskettes before placing them in JUKEBOX FIVE. Wipe the sides of the floppies with a fresh tissue before putting them in the JUKEBOX FIVE.

AC Adapter

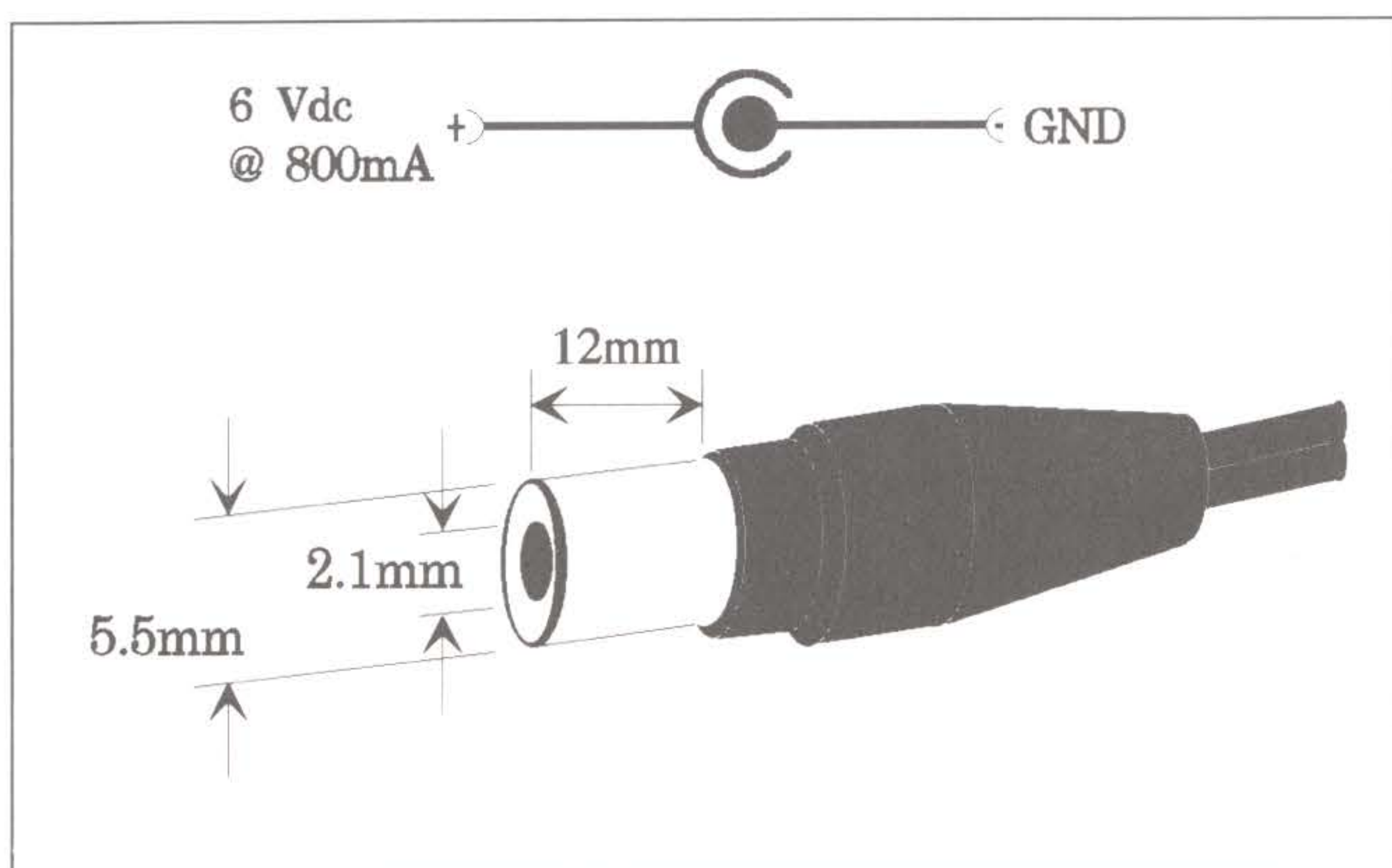
Only AC adaptors with the following specifications should be used with the JUKEBOX FIVE. (The included adapter meets these specifications.)

Input Voltage: 115 Vac +/- 10%; 60Hz

Output Voltage: 6 Vdc @ 800 mA

Center pin = Ground

Outer pin = +6 Vdc



AC Adapter for Jukebox Five

Chapter 10

Trouble-shooting

Jamming

This chapter provides help for solving some problems you may face when using JUKEBOX FIVE and its software. For further assistance, contact Fifth Generation Systems' Technical Support at the number listed on the back cover of this manual.

In the unlikely event a diskette gets jammed in JUKEBOX FIVE, do not panic. The mechanism is designed to ensure the unit will not destroy a jammed diskette. The mechanism will "time-out" or shut-down within about 12 seconds if the carriage fails to complete a cycle.

Once JUKEBOX FIVE "times-out," remove the diskettes from the top hopper by pressing and holding the **START** button down. This should retract the carriage and hold it in the rear-most position allowing you to remove the jammed disk. During clearing handle JUKEBOX FIVE carefully to avoid damage to the interface plate's teeth, which can be deformed if excessive force is applied on the mechanism itself.

Mislabeled Disks

Only labels which are supplied with diskettes or which fit within the recessed area provided on diskettes should be used. Diskettes should be labelled carefully to avoid causing conditions which would effect the operation of JUKEBOX FIVE. (Examples of this would be using labels or scotch tape that wrap around the sides of the disk.) Labels with excessive "bubbles" or labels which protrude from the back of the disks (where they wrap around to the bottom) may cause a malfunction if used in JUKEBOX FIVE.

NORMAL LABELS WHEN APPLIED WITH CARE SHOULD NOT ADVERSELY EFFECT THE PERFORMANCE OF JUKEBOX FIVE.

Defective Shutters

A deformed metal shutter on a diskette (metal cover which protects the disk media from the user) may cause problems with the JUKEBOX FIVE. If

Not Completing A Cycle

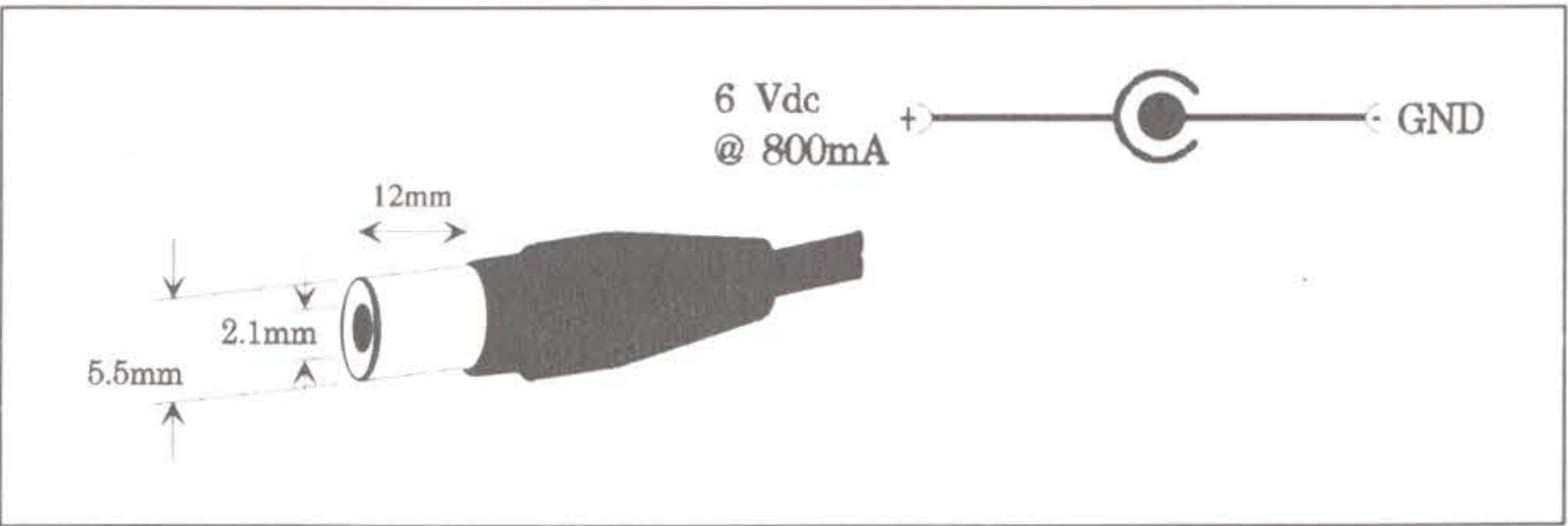
the metal shutter is bent (so that it either hangs down or is pryed off the top) the diskette will not function properly. Any diskette which exhibits evidence of this type of defect should be removed from the stack and disposed of.

If JUKEBOX FIVE fails to cycle, the batteries may be installed incorrectly or may be weak or dead. Be sure to use only alkaline, brand-name batteries and note the polarity indicated on the label on the bottom of JUKEBOX FIVE (bottom batteries go with + end facing into JUKEBOX FIVE and top batteries go with + end facing out).

If your batteries are fresh and JUKEBOX FIVE fails to cycle, contact Fifth Generation Systems' Customer Service at the number listed on the back cover of this manual for repair or replacement.

JUKEBOX FIVE is equipped with an AC adapter jack on the right-hand side of the enclosure. To avoid damage to your JUKEBOX FIVE, use the adapter included in the package. The technical specifications for the adapter are provided below:

- Input Voltage: 115 Vac +/- 10%; 60Hz
- Output Voltage: 6 Vdc @ 800 mA
- Center pin = Ground
- Outer pin = +6 Vdc



Glossary

Always - An option under **Auto-Format**. **Always** formats all diskettes regardless of their current format status.

Auto-Format - An option under the **FORMAT** and **COPY** dialog boxes. **Auto-Format** formats diskettes automatically according to your specifications. You can select to format floppies only when necessary, or all of the time. You can also select the status of the format to be reported by selecting **Verify**.

Battery Compartment - holds the batteries.

Carriage - Refers to the black plastic part inside of **JUKEBOX FIVE**. The carriage holds the diskettes when they are in **JUKEBOX FIVE** and moves from the front of **JUKEBOX FIVE** to the back and then to the front when the **START** button is pressed.

Copy - A feature available in the **FILE** menu of the **JUKEBOX FIVE** software. **Copy** allows you to reproduce folders or files from the hard drive to floppies. **Copy** does not add files to the floppy; it replaces the contents of the floppy with the selected files.

Cycle - A cycle occurs when the **START** button is pressed and the carriage (black plastic part) moves from the front to the back of **JUKEBOX FIVE** then to the front again.

Doors - Refers to the clear, plastic sections on **JUKEBOX FIVE**. There are two sets of doors: one set on the top and one set on the bottom. The top doors help hold diskettes to be inserted and the bottom holds diskettes that have been ejected.

Duplicate - A feature available in the **FILE** menu of the **JUKEBOX FIVE** software. Duplicate allows you to reproduce information from one floppy to many others.

Format - A feature available in the **FILE** menu of the JUKEBOX FIVE software. **Format** is the process of preparing floppies for use in a particular computer system (also called Initialize).

Format As - A feature available in the **FORMAT** dialog box. **Format as** allows you to choose the format to apply to floppies. You can select **Single Sided**, **Double Sided**, or **High Density**.

Format Option - A feature available in the **FORMAT** dialog box. **Format Option** allows you to select the kind of format to apply to floppies. The choices are **Format**, **Quick Erase**, and **Verify**.

Hoppers - The upper and lower compartments on JUKEBOX FIVE that hold the diskettes. Both hoppers have 2 clear, plastic doors that open to hold the floppies before they are inserted and after they have been ejected.

If necessary - An option under **Auto-Format**. **If necessary** formats diskettes only when they are not already formatted.

Interface Plate - Metal plates that slide onto the front of JUKEBOX FIVE allowing it to hang from the Macintosh drive. Three plates are provided with the JUKEBOX FIVE. Each is labelled according to the model family it supports.

The interface labelled **SE** supports the **SE**, and **SE30** models and should be mounted on the lower floppy drive. The interface labelled **II** supports **II**, **IIfx**, and **IIx** models and mounts on the right-hand floppy drive. The **IIcx** interface supports **IIcx**, and **IIci** models.

JUKEBOX FIVE - A hardware device that automatically feeds diskettes in and out of the floppy drive on Macintosh computers.

Mount - To attach the JUKEBOX FIVE on your floppy drive so that it hangs freely from your Macintosh computer.

Pins, or Engagement Pins - The two white pins on the inside of the interface plate that fit in the grooves on the front of JUKEBOX FIVE.

Quick Erase - An option under **Format as**. **Quick Erase** erases all files from the disk without reformatting the diskette.

Teeth - The two metal, hooked teeth protruding from the front of the interface. The teeth slide into the floppy drive opening so that JUKEBOX FIVE hangs freely from the Macintosh computer.

Time Out - the amount of time the JUKEBOX FIVE software waits for disks to be inserted into the drive before it stops the procedure. **Time Out** is also a default. When a jam occurs when the JUKEBOX FIVE software is not used, JUKEBOX FIVE stops for 12 seconds. **Time Out** can be saved as a default through the **PREFERENCES** option.

Time Out Waiting - A message that appears in the FORMAT, COPY, and DUPLICATE dialog boxes when a floppy jams or when no more floppies are inserted. When a jam occurs, JUKEBOX FIVE stops for 12 seconds to prevent the batteries from draining.

Verify - An option under **Format as**. **Verify** reports the status of diskettes during formatting or copying.



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