

HP 95LX

Quick Start Guide



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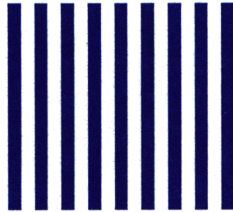
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HP 95LX Quick Start Guide



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Ready, Set, ...

This chapter covers the preliminaries—the things you need to do and know before using the HP 95LX. Run through them all—it won't take long. There is nothing to install except the batteries!

About This Manual

This *HP 95LX Quick Start Guide* is to get those of you with Lotus® 1-2-3® experience off to a quick start with the HP 95LX. If you do *not* know 1-2-3, then you should read chapter 2 of the *HP 95LX User's Guide*, “Using 1-2-3.”

It's best if you read this book from cover to cover. It's easy going, and you'll be surprised at how much you'll learn. The features that are introduced here are:

- 1-2-3: for spreadsheets on the HP 95LX.
- The Filer: for file transfer between the HP 95LX and a PC (personal computer).
- The Financial Calculator: for calculations in money matters. If you have used HP financial calculators, this will be very familiar.
- The Appointment Book: for your schedules.
- The Phone Book: for records of names and other data.
- The Memo Editor: for simple text entry.

Remember that all procedures and information appear in the comprehensive *HP 95LX User's Guide*. Once you have read the *Quick Start Guide*, the *User's Guide* can serve you as a reference manual.

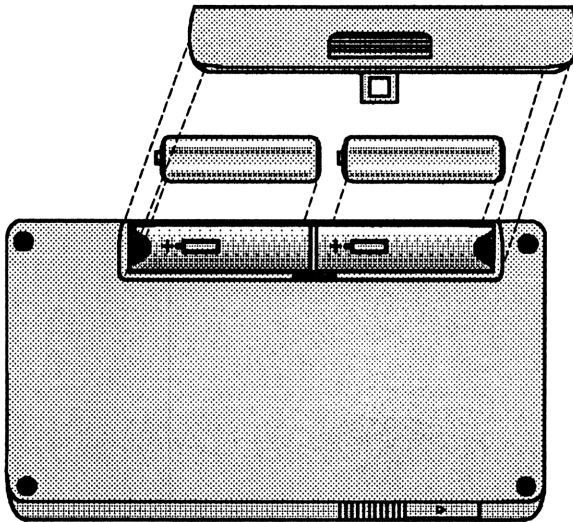
The Name Plate

Packaged with the manual is an envelope containing a metal plate, suitable for engraving with your name or identification. You can then adhere the plate to the back of the case of the HP 95LX, as illustrated on the envelope.

Install the Batteries

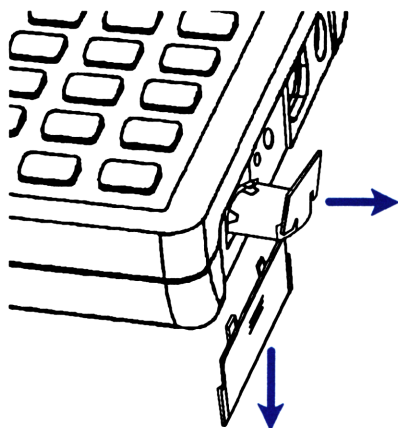
The HP 95LX is shipped without its batteries installed. There should be three batteries in the box: two AA batteries and a back-up coin cell.

1. Remove the battery cover on the underside of the HP 95LX.

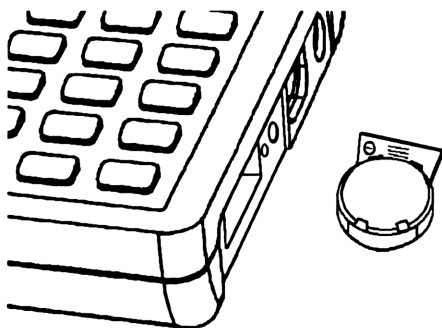


2. Insert the two AA batteries, orienting them as shown by the symbols in the battery compartment.
3. Replace the bottom battery cover.

4. Remove the battery cover on the right side of the HP 95LX and pull out the backup-battery tray.



5. Insert a fresh, 3-volt CR2032 coin cell. *Be sure the + on the battery is facing down in the tray.*



6. Insert the battery tray back into the HP 95LX and replace the side battery cover.

Turn the HP 95LX On

Press **ON** (in the upper right corner of the keyboard). If you are the first user, the display you now see is a blank template for entering the time, date, and owner's information (name, title, company). If this is *not* the display you see, skip to the Note on the next page.

```
Welcome to the 95LX. Please type in the
following information. Press ENTER when
you finish.

Current date is Thu 02/14/91
Enter new date (mm/dd/yy):

Current time is 0:01:43
Enter new time:

Name:
Title:
Company:
```

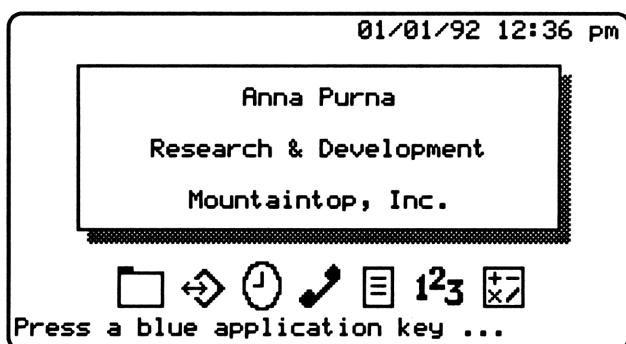
If the HP 95LX does not turn on, go back over the above steps for installing the batteries.

A power-saving feature automatically shuts the HP 95LX off after 3 minutes of no use if the optional ac adaptor is not plugged in. Using an ac adaptor greatly prolongs battery life. The HP 95LX saves all information even when it is off.

Fill in the Date, Time, and Owner's Information

1. Fill in the current date.
2. Fill in the current time. Use 24-hour time (15:45) or type **PM** for an afternoon time (3:45 **PM**).
3. Press **ENTER** to record the information and move to the next field.
4. Fill in each remaining field, ending with **ENTER**.

Your entries here supply the time and date used throughout the HP 95LX. Your name, title, and company entries are used for the owner's information that appears in the display whenever you quit all applications.



Note



To specify a different time format, date format, or language, use the Setup utility (chapter 21 in *The HP 95LX User's Guide*). Also use Setup to change the date, time, or owner's information.

Adjust the Display Contrast

To adjust the legibility of the display, you can adjust its contrast.

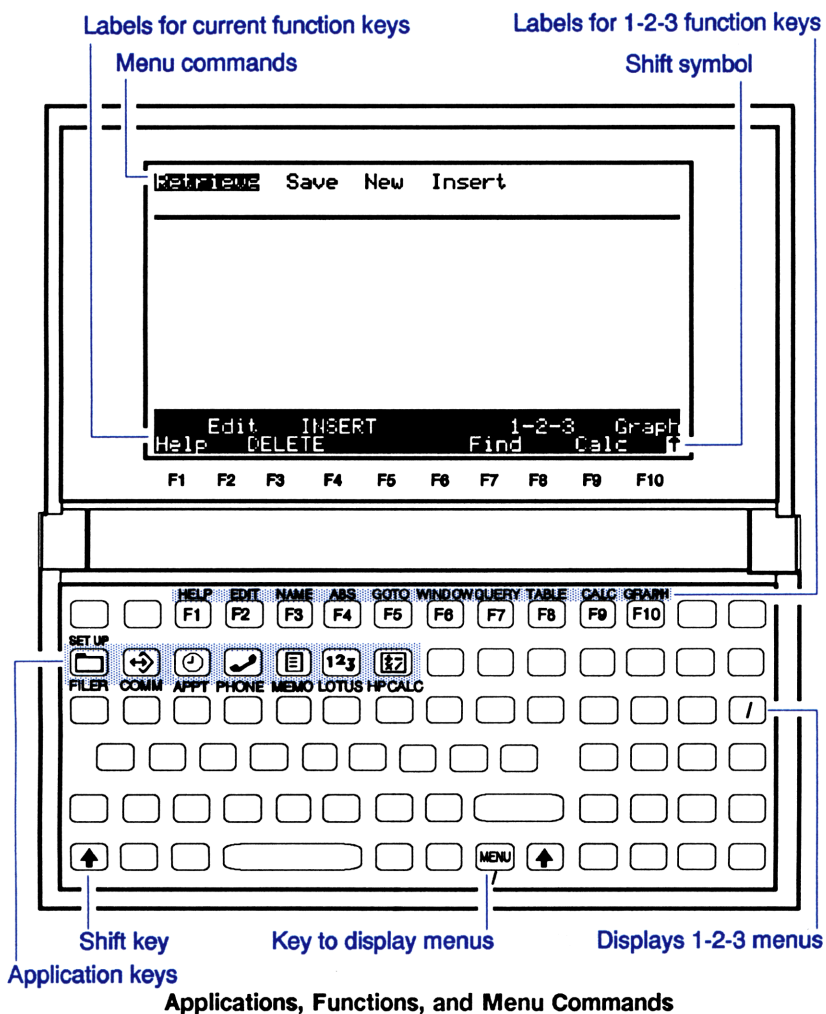
1. Press **ON**-**+** (**ON** and **+** simultaneously) to darken the background.
2. Press **ON**-**-** to lighten the background.

The Big Picture

What Applications Are

The HP 95LX **applications** are like built-in software. They are accessed by the seven blue keys in the second row of the keyboard. Each application is a powerful set of operations for a specific topic, such as 1-2-3 for spreadsheets and the Appointment Book for scheduling.

The operations that you can use within an application appear in one of two places: on **function keys** or in **menus**.



What Function Keys Are

The top row of the keyboard includes the **function keys**, (F1) through (F10). Their definitions depend on the current context of the current application. The current function keys are labeled at the bottom of the screen.

1-2-3 Function Keys

The functions for 1-2-3 are printed on the keyboard above the appropriate function key (HELP above **F1**, EDIT above **F2**, etc.), so labels do *not* appear along the bottom of the display.

Using Function Keys

When you start most applications, labels appear across the bottom of the display. Each label lines up with a function key. Just press the function key to execute the function: for instance, in the Phone Book, press **Insert** (**F8**) to insert an entry. (Press **ESC** to cancel the effect of pressing **Insert**.)

What Menu Commands Are

Each application has its own **menus**. Pressing **MENU** displays a menu of **commands** at the top of the display. The current menu depends on the current context of the current application.

If you are familiar with 1-2-3, then you also are familiar with menu commands. They work the same throughout the HP 95LX, except that all menus are accessed by pressing **MENU** (instead of **/**). (However, 1-2-3's menus are also accessible by pressing **/** on the number keypad.)



Using Menu Commands




- Press **MENU** to display the current menu.
- Press **ESC** to cancel the current menu.
- If pressing **MENU** causes a beep, press **ESC** and try again. (**MENU** does not work if another operation is pending.)

To select a menu command, either:




- Type the first letter of the command; or
- Highlight the command (move the highlight bar left or right) and press **ENTER**.


Using the Shift Key

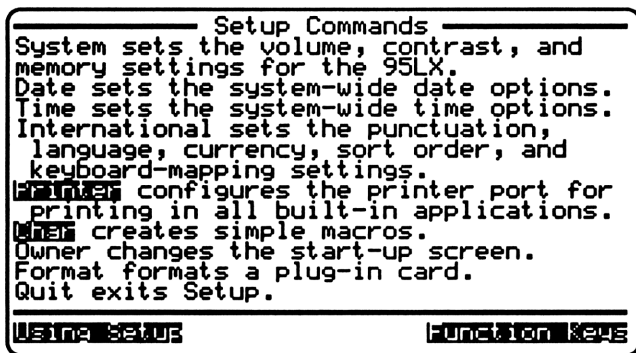
Many keys have **shifted** operations printed above them. Press , the shift key, before another key to invoke its shifted operation. You do *not* need to hold down  while pressing the operation key.

The symbol  appears in the lower right corner of the display after you press , indicating that the next key pressed will produce a shifted operation. Press  again to cancel it.





Need Help?


The HP 95LX has Help screens that display pertinent information whenever you press . (In Data Communications, press -.) The Help information varies depending on the current application and situation.

Press  now to view a Help screen.



A Help Screen











The highlighted words are **links** to more Help topics. To see more information about function keys, for instance, press  (or ) to move the blinking cursor to Function Keys, then press . To return to the previous Help screen, press .

Press  to exit the Help system.

Ready, Set, Go!

To start an application, just press its key.

This works even from inside another application—you do not need to exit the current application before starting another one.


Press	To Start
	the Filer
 ( )	the Setup utility
	Data Communications
	the Appointment Book
	the Phone Book
	the Memo Editor
	Lotus 1-2-3
	the Financial Calculator

To change to a different application, just press its key.

You can do this without exiting (quitting) the current application first. The new application “covers” the old one, which remains available “underneath” the new one.

To exit an application, select Quit.

To print out the display, press ().

Check the printer configuration settings in the Setup utility. (Select  Printer Config.)

Password Security

You can make your HP 95LX secure by requiring a password for its use. Refer to “Activating Password Protection” in chapter 1 of the *HP 95LX User's Guide*.

Introducing 1-2-3 on the HP 95LX

This chapter demonstrates the look and feel of 1-2-3 on the HP 95LX. It is written for those of you already familiar with 1-2-3 on a PC. Rather than teaching 1-2-3, this chapter demonstrates the similarity between 1-2-3 on the HP 95LX and 1-2-3 on the PC.

For more information on any 1-2-3 topic, see part 2 of the *HP 95LX User's Guide*. There are also good introductory and advanced training materials on 1-2-3 at bookstores that carry books on computers.

1-2-3 Compatibility with Release 2.2

The version of 1-2-3 in the HP 95LX is essentially 1-2-3 release 2.2 with limited modifications, mostly due to the smaller screen size of the HP 95LX. 1-2-3 in the HP 95LX is completely compatible with 1-2-3 release 2.2, so worksheets from a PC will work on the HP 95LX and vice-versa. (To transfer files from and to a PC, use the HP Connectivity Pack.)

A Quick Look at 1-2-3

If you are not an experienced user of 1-2-3, please read chapter 2 of the *HP 95LX User's Guide*. The quick look that follows demonstrates the familiarity of 1-2-3 on the HP 95LX to those who already know 1-2-3, but it does not teach it to those who do not.

For information on downloading an existing 1-2-3 file from a PC to the HP 95LX, see chapter 3, "Introducing the Filer and File Transfer."

The screens and procedures in this section will show you:

- How a 1-2-3 worksheet looks on the HP 95LX.
- How a graph from a worksheet looks, and how to zoom in on it.
- How to backsolve for a 1-2-3 value using the Calculator.
- How to check the printer settings in Setup.

Press **(123)** to start 1-2-3.

A typical worksheet might look like this:

A1: [W12] 'INCOME STATEMENT 1992: M337100

	Q1	Q2
Net Sales	\$30,000	\$38,000
Operating Expenses:		
Payroll	6,000	7,600
Utilities	4,500	5,700
Rent	2,000	2,000
Ads	2,400	3,040

In the Display

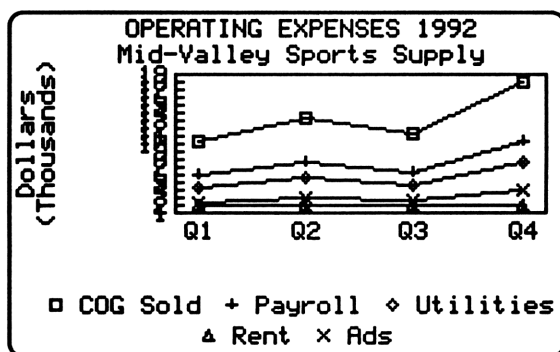
INCOME STATEMENT 1992: Mid-Valley Sports Supply					
	Q1	Q2	Q3	Q4	YTD
Net Sales	\$30,000	\$38,000	\$32,000	\$51,000	\$151,000
Operating Expenses:					
Payroll	6,000	7,600	6,400	10,200	30,200
Utilities	4,500	5,700	4,800	7,650	22,650
Rent	2,000	2,000	2,000	2,000	8,000
Ads	2,400	3,040	2,560	4,080	12,080
COG Sold	10,500	13,300	11,200	17,850	52,850
Tot Op Exp	25,400	31,640	26,960	41,780	125,780
Op Income	\$4,600	\$6,360	\$5,040	\$9,220	\$25,220

On Paper

To enter, edit, and move around a worksheet:

- You enter the data, labels, formulas, and formats as you would in any version of 1-2-3.
- You edit cells as you would expect, using **⌫** (backspace), **DEL** (delete), **F2** (EDIT), and **F5** (GOTO).
- You move around the worksheet as you would expect, using arrow keys and cursor-movement keys. Note that **PG UP**, **PG DN**, **HOME**, and **END** are shifted keystrokes.

A typical graph might look like this:

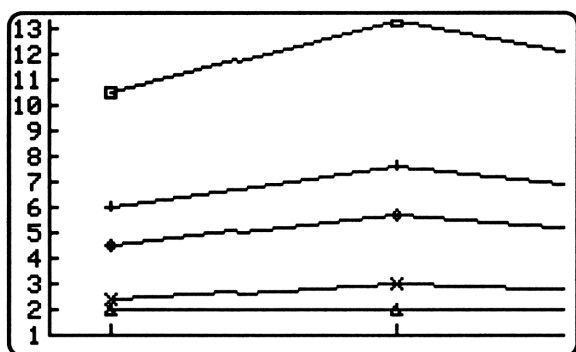


Graph View

Notice that at this size, the numbers marking the Y axis are too small to read. It's time to use graph zooming.

To zoom in on a graph:

- Press **+** to increase the magnification of the graph by half, up to 4 times the scale of the original. Press the arrow keys, **CTRL** **←**, or **CTRL** **→** to shift the displayed screen.
- Press **-** to reduce the magnification again.



Graph Zoom

Backsolving in 1-2-3 Using the Calculator

Suppose you have a time-value-of-money calculation in a worksheet that uses @RATE to calculate the interest rate yielded by a given investment, given the term of investment and the future value of the money. Finding the periodic interest rate for a \$10,000 bond that matures in 5 years with a maturity value of \$18,000 would look like this:

Diagram illustrating the @RATE function in a worksheet calculator window, showing inputs and outputs with annotations:

Cell format (points to the formula bar)

Future value (points to the input field for \$18,000)

Present value (points to the input field for \$10,000)

Term (points to the input field for 60)

Mo. interest rate: (points to the output field showing 0.58%)

Altering C1, C2, or C3 recalculates C5 automatically. (points to the input fields)

The calculator window displays the formula: `C5: (P2) @RATE(C3,C1,C2)`

	H	E	C	D
Investment:			\$10,000	
Term (months):			60	
Future value:			\$18,000	
Mo. interest rate:			0.58%	

The interest rate is the only value you can calculate in this worksheet. It is automatically recalculated if you change C1, C2, or C3. However, you can **backsolve** for the other values (investment, term, or future value) by using Solve 1-2-3 on the Calculator.




Example: Changing the Interest Rate and Backsolving for the Future Value.

Enter the worksheet shown above, then calculate what the maturity value would be if this \$10,000, 5-year bond yielded 12% annual interest (1% monthly interest). Remember to enter a percentage rate as a decimal fraction (that is, 0.01 for 1%).

For the worksheet:

- The cell format for C1 and C3 is set by /Range Format Currency 0. The cell format for cell C5 is set by /Range Format Percent 2.
- The formula for cell C5 is @RATE(C3,C1,C2).
- Cell C1 contains the investment value \$10,000 and cell C2 contains the term 60 months.
- Enter a future value of \$18,000 in cell C3, and the monthly interest rate of 0.98% (11.76% annually) is automatically calculated.

Change the interest rate and backsolve for the future value:

Keys:	Description:
	Starts the Calculator.
 S 	Selects Solve 1-2-3.

Solve 1-2-3			
Make:			
Formula cell.....	Form	=	A1
equal to:			
Formula value.....	VALUE	=	0.00
by changing:			
Solve cell.....	Solve	=	C5
Solve result.....		=	0.00
			0.00
Help	UNDO	Form	Solve
		VALUE	

We will make the interest rate (the **formula cell**) equal to 1% (the **formula value**) by changing the future value (the **solve cell**).

Keys:

Description:

Form

Prepares to specify the formula cell in 1-2-3.

Highlight cell C5

Highlights C5, the interest rate, in the 1-2-3 worksheet.

ENTER

In the calculator, specifies the formula cell as C5.

Formula cell.....Form = C5

.01 **VALUE**

Specifies the desired monthly interest rate (C5 value). 1% is 0.01.

Formula value.....VALUE = 0.01

Solve

Highlight cell C3

(ENTER)

Highlights and solves for C3, the future value.
The calculation takes several seconds and displays two rapidly changing numbers.

Solve 1-2-3		
Make:		
Formula cell.....	Form =	C5
equal to:		
Formula value.....	VALUE =	0.01
by changing:		
Solve cell.....	Solve =	C3
Solve result.....		= 18,166.97
Solve result = 18,166.97		
Help	UNDO	Form Solve VALUE

Therefore, at 12% annual (1% monthly) interest, the \$10,000 bond would yield \$18,166.97 in 5 years.

Leave the Calculator and open a new, blank worksheet:

Keys:

(123)

(MENU) W E
Y

Description:

Switches from the Calculator to 1-2-3.

Selects Worksheet Erase, then Yes, to erase this worksheet without saving it.

To leave the 1-2-3 application:

You can either quit 1-2-3 (**(MENU)** Quit), or simply press another application key.

Configuration Settings

1-2-3 can specify many configuration settings under /Worksheet Global Default. The Setup utility (**SET UP**) establishes many other settings for the HP 95LX, *including for 1-2-3*. A few settings appear in *both* Setup and 1-2-3: date format, time format, punctuation, currency, and printing (interface, baud, and name).

- Setup's time and date formats do not affect 1-2-3 cells, only the printing of headers and footers on paper.
- Setup supplies **default** (initial) values to 1-2-3 for punctuation and currency, as well as for the printer interface, baud, and name.
- If you make a printer, punctuation, or currency setting in 1-2-3, it overrides the setting in Setup.

Remember that in order for a /Worksheet Global Default setting command to remain in effect after the current session, you must preserve it with the Update command. Otherwise, the settings for the next session will take default values from Setup again.

To set the printer configuration:

1. Select **SET UP** Printer Config Name.
2. Select the name of the printer that is compatible with yours.

A Kodak Diconix printer, for instance, can have its option switches set to be compatible with either the Epson or the IBM. You then select the Name setting in Setup that matches the printer's compatibility.

3. Select Interface 1. (There is currently no infrared printer available.)
4. Select Baud, then select the specific baud for your printer. (The default is 9600.)
5. Select Quit Quit Quit to exit Setup.

For more information, see chapter 21 of the *HP 95LX User's Guide*.

Differences Between 1-2-3 on the HP 95LX and 1-2-3 Release 2.2 on the PC

The differences between 1-2-3 on the HP 95LX and on the PC result primarily from the smaller screen size and smaller memory of the HP 95LX.

However, there are also significant enhancements in the HP 95LX version, including zooming to enlarge graphs, backsolving 1-2-3 values using the Calculator, and Clipboard functions to copy material from one location or application to another.

Additions to 1-2-3 on the HP 95LX:

- Graph zooming in Graph View (**F10**): press **+** to enlarge the scale of a graph, **-** to reduce it.
- Navigation keys to adjust the display of enlarged (zoomed) graphs: use cursor-movement keys, tab keys, and arrow keys to shift the display of the graph.
- Labels for the **CTRL**-function keys: these appear along the bottom of the screen when you press **CTRL**.
- Backsolving 1-2-3 values using the Calculator.
- Clipboard functions for copying material from one location to another: **Copy** (**CTRL**-**F2**) copies a defined range to the Clipboard, and **Paste** (**CTRL**-**F4**) inserts this material into the current location.

Deletions from 1-2-3 on the HP 95LX:

- The PrintGraph program.
- The Translate utility.
- The Access system (to access PrintGraph, Translate, and 1-2-3).
- The Install utility. No installation is necessary. The collating sequence (sorting order) is set by the International Sort command in the Setup utility and the printer driver is set by the Printer Config Name command in Setup.
- The Allways publishing add-in program.
- The tutorial files.
- The Macro Library Manager.

Modifications to 1-2-3 for the HP 95LX:

- The 1-2-3 /System command is replaced by the System command in the Filer. For this reason, the macro {SYSTEM} has no effect.
- Write-protected cells appear no different from other cells. The PR protection indicator appears in the control panel when a protected cell is highlighted.
- The macro commands {BIGLEFT}, {BIGRIGHT}, {PGUP}, and {PGDN} can produce different results due to the smaller screen size of the HP 95LX.
- There is no 123.EXE file, so you cannot start 1-2-3 from DOS.
- The Help text is less extensive.
- The default status for the Undo feature is off (disabled) to save memory. Select /Worksheet Global Default Other Undo Enable to turn Undo on.
- Add-ins must be run from RAM. To work, therefore, an add-in must fit in RAM and must work with any size screen in MDA mode.
- Some settings that affect 1-2-3 are made in the Setup utility only: the sorting order, the language, and the keyboard. (See also “Configuration Settings” earlier in this chapter.)

Built-In 1-2-3 Templates

Included in your HP 95LX are several customized 1-2-3 worksheets to solve specific problems, such as cash-flow calculations (_CFLOW.WK1) and statistical calculations (_STAT.WK1). These customized 1-2-3 worksheets have file names beginning with “_” and ending with .WK1. The worksheets themselves include instructions on their use; refer to chapter 16 in the *HP 95LX User's Guide* for more information.

Introducing the Filer and File Transfer

Press **[F1]** to start the Filer. You should see a listing of your root directory (C:\) similar to this:

Filer		01/01/92		1:31 pm
Local		NoDirs		
C:\				
CHKDSK	EXE	9680	02-23-91	7:52a
COMMAND	COM	184	02-04-91	6:36p
TF	COM	8120	02-23-91	7:53a
_CARLOAN	WK1	5232	11-08-90	1:48p
_CFLOW	WK1	4418	02-23-91	7:52a
_EXPENSE	WK1	12406	11-13-90	8:57a
_HOMEBUY	WK1	4362	11-08-90	10:03a
_STAT	WK1	5444	02-23-91	7:52a
Copy Run Remote Rename Move Help Delete Goto Split Tag				

The Root Directory on C:

For help, press **[F1]** at anytime. To cancel a menu, press **[ESC]**. If pressing **[MENU]** causes a beep, press **[ESC]** and try again. To change applications, just press another application key.


Among its many files, the root directory also lists one subdirectory, **_DAT** (marked **<DIR>**). **_DAT** contains many configuration files, such as the file for the printer settings, and will also contain files you create.

The examples in this chapter will show you how to:

- Create a directory for 1-2-3 files.
- Copy and delete files.
- Download a 1-2-3 file from a PC.
- Check the availability of memory on the RAM disk (drive C:).
- Get to the DOS prompt.

Creating a Directory for 1-2-3 Files

Example: Creating a Subdirectory C:\123.

Keys:	Description:
MENU D C	Selects Directory Create.
123 ENTER	Names the subdirectory C:\123.
123 MENU W G D D	Starts 1-2-3 and selects /Worksheet Global Default Directory.
123 ENTER	Specifies the new 123 directory as the default for new 1-2-3 files.
U	Updates the 1-2-3 configuration file so that C:\123 remains the default directory in future 1-2-3 sessions.
Q 	Quits the 1-2-3 menu and returns to the Filer.

Copying and Deleting Files

The Filer is your file manager—it lists directories and the files in those directories. You can use these lists to copy, move, delete, rename, and print files.

Example: Copying and Deleting Files.

Copy the 1-2-3 templates (built-in worksheets) _CFLOW.WK1 and _STAT.WK1 from the root directory to the 123 directory created above. Start with the root directory, C:\, displayed. (If **View Up** is displayed, highlight it and press **ENTER**.)

Keys:

▼ ...
Highlight _CFLOW

Tag

▼ ...
Highlight _STAT

Tag

Description:

Highlights the file _CFLOW. Press **▼** as necessary.

Tags the first file for an operation on more than one file.

Highlights the file _STAT. Press **▼** as necessary.

Tags the second file for the copy operation.

Tagged files

File	NoDirs	01/03/92	1:30 pm
C:\			Local
-CFLOW WK1	4437	01-15-91	8:50a
-CHECK WK1	4290	10-24-90	12:18p
-DEMO WK1	2895	09-12-90	12:09p
-EXPENSE WK1	12406	11-13-90	8:57a
-HOMEBUY WK1	4362	11-08-90	10:03a
-STAT WK1	5692	01-15-91	8:50a

Copy Run Remote Rename Move
 Help Delete Goto Split Tag

Copy

Prompts you for the destination directory.

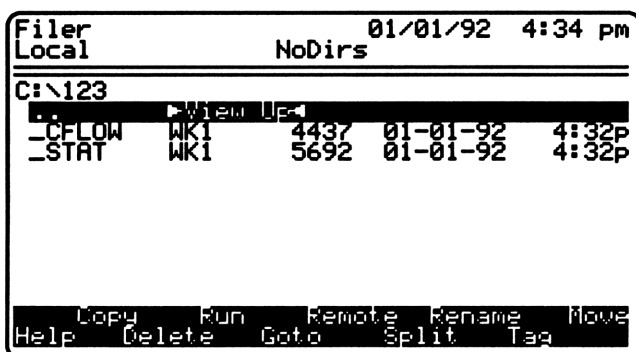
Copy tagged files to:

123 **ENTER**

Copies the tagged files to the 123 directory.

Goto 123 **ENTER**

Displays the 123 directory.



Delete the copied files 123_CFLOW and 123_STAT:

Tag

Tags the file _CFLOW.WK1.

Tag

Tags the file _STAT.WK1.

Delete Y

Deletes these copies of _CFLOW.WK1 and _STAT.WK1 after you select Yes to confirm.

ENTER

Displays the next higher level of the directory path. Here, that is the root directory, C:\.

Downloading a 1-2-3 File from a PC

The HP F1001A Connectivity Pack product is important for easy file transfer between a PC and the HP 95LX. If you have 1-2-3 worksheets on your PC, the Connectivity Pack can transfer them to the HP 95LX without modification, and you can pick up working on the HP 95LX where you left off on the PC.

A dual listing of local and remote files in a **split screen** makes it easy to transfer files between the HP 95LX and a PC via the Connectivity Pack. The split screen can also be used to view simultaneously two directories or two drives.

To hook up the cable between the HP 95LX and a PC, follow the instructions included with the Connectivity Pack.

Install the software into the PC as directed. Now start the Filer on the PC. This sets the baud for the PC's Filer to match the default baud for the HP 95LX's Filer.

To download (copy) a 1-2-3 file from a linked PC:

Do the following on the HP 95LX keyboard:

1. Press **Split** (**F7**) in the Filer. This splits the screen to show duplicate root directory listings.
2. Press **Remote** (**F6**) to establish a connection with the PC, putting the PC in Server mode. One screen says **Local** (the HP 95LX), the other says **Remote** (the PC), like this:

Remote	NoDirs	Local
C:\		C:\
123	<DIR>	123
ARPA_PC	<DIR>	_DAT
BIN	<DIR>	123
COMMS	<DIR>	123
DOS	<DIR>	123
JAGDEMO	<DIR>	CHKDSK
SETUP	<DIR>	COMMAND
		DEBUG

3. Highlight the source file(s) on the Remote side:
 - If you need to move between split screens, press **◀** or **▶**.
 - If the desired file is in a subdirectory, first find and display its subdirectory. For instance, if the file is in the subdirectory C:\123, then highlight 123 <DIR> and press **ENTER**.
 - To transfer more than one file at a time, press **Tag** (**F9**) to mark each one.
4. Press **Copy** (**F2**).
 - To transfer the PC files to the given directory on the HP 95LX, press **ENTER**.
 - To transfer the PC file(s) to C:\123 on the HP 95LX, type 123 **ENTER**.

The 1-2-3 file copied to the HP 95LX has the same name as the PC file it was copied from (unless you specified otherwise). To open it, press **(F3)** and select */File Retrieve filename*.

To return to a single-screen display:

1. Press **(▶)**, if necessary, to highlight the local side of the screen.
2. Press **Full (F7)**.
3. If the Filer is displaying a subdirectory, display the root directory again (highlight **View Up**, press **(ENTER)**).

To disconnect the two Filers:

Press **(ALT)-(F6) (Discon)** on the HP 95LX to disconnect the PC's Filer from the HP 95LX's Filer.

To check the memory status of the RAM disk (drive C:):

1. Select Directory Status from the menu. Look for the line
Bytes remaining on disk:
2. Press **(ESC)** to return to the directory listing.

Gaining Access to DOS Commands

If you want to use MS-DOS commands to interact directly with the operating system, use the Filer's System command. You must quit all other applications before selecting System. Quit the Filer (**(MENU) Q**) so you can see which other applications are active, then quit them, too.

Example: Viewing a Directory Listing from DOS.

Keys:

 **MENU** S

Description:

Selects the System command to display the DOS prompt.

C>

dir **ENTER**

Executes the DOS directory command.
Displays files and directories, ending with

nn File(s) *nnnnnn* bytes free

C>

exit **ENTER** **ENTER**

Returns to the Filer.

To leave the Filer application:

You can either quit the Filer (**MENU** Quit), or simply press another application key.

Introducing the Financial Calculator

Press **(F7)** to start the Financial Calculator.

For more information about the Calculator, see part 4 of the *HP 95LX User's Guide*. For a good introduction to HP financial calculators, see *An Easy Course in Using the HP-19BII* (Grapevine Publications: 1991).

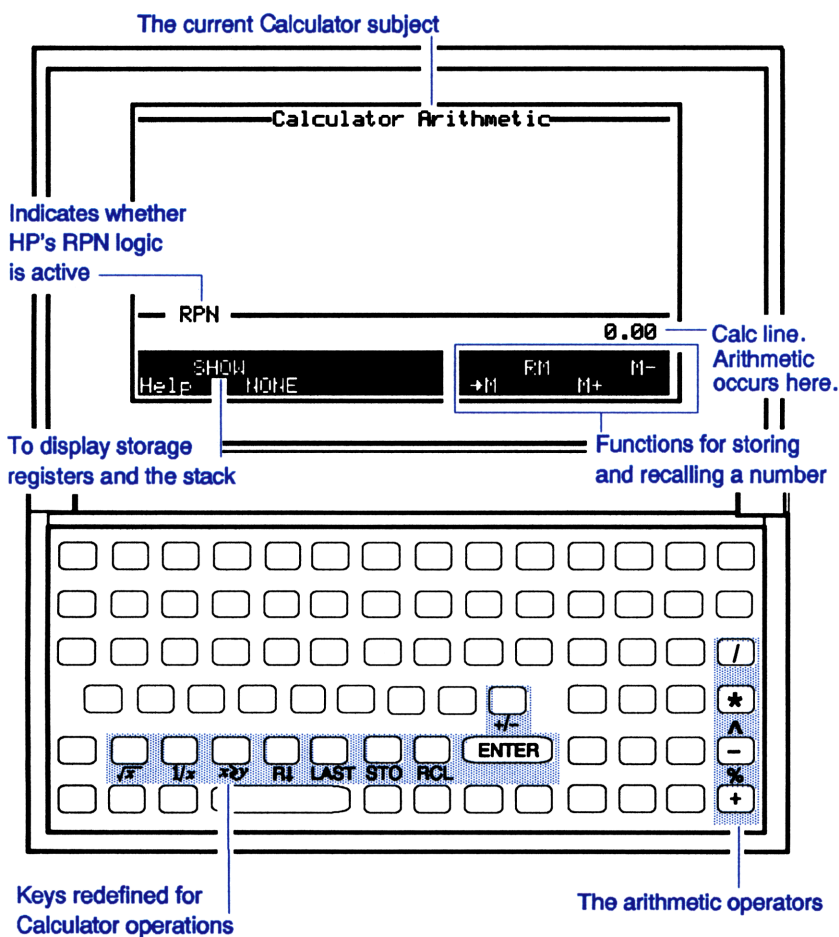
For help, press **(F1)** at anytime. To cancel a menu, press **(ESC)**. If pressing **(MENU)** causes a beep, press **(ESC)** and try again. To change applications, just press another application key.

The examples in this chapter will show you how to:

- Do arithmetic: perform long calculations, enter negative numbers, find percentages, and store a number.
- Convert currencies and other units of measure.
- Solve financial calculations (a mortgage with amortization).
- Solve your own equations.

Arithmetic

If necessary, select **(MENU)** Arith to display the Arithmetic screen:



If you are a fan of Reverse Polish Notation:

Select Options Alg/RPN (press **[MENU]** **O A**) to turn on the RPN indicator. This command switches between algebraic and RPN logic.

This selects the RPN calculator logic pioneered by Hewlett-Packard. To solve $2+3$ with algebraic logic, you type 2 **[+]** 3 **[=]**. To solve it with RPN logic, you type 2 **[ENTER]** 3 **[+]**.

Note

All the examples and explanations in this chapter assume that the calculator is set to algebraic logic, *not* RPN. For information on using RPN, refer to appendix D of the *HP 95LX User's Guide*.

To make corrections:

- Press \leftarrow to correct the last digit or operator.
- Press DEL to clear the whole calc line to zero.
- Select MENU Erase Data to clear all currently displayed data values to zero.

Example: Doing Long Calculations.

Calculate $-534 + \frac{378}{12} - 6^3$.

Keys:

534 \leftarrow \leftarrow \leftarrow 378
 \leftarrow 12 \leftarrow \leftarrow 6 \leftarrow 3 $=$

Description:

Note that you make a number negative by pressing \leftarrow (the \leftarrow key). You can use parentheses to group the calculation as appropriate.

-718.50

Example: Computing Percentages.

Calculate 35% of 2,569. Calculate a 35% decrease from 2,569.

Keys:

2569 \times 35 $\%$ $=$

Description:

Calculates 35% of 2,569.

899.15

2569 \leftarrow 35 $\%$ $=$

Calculates a 35% decrease from 2,569.

1,669.85

Example: Storing and Recalling a Number.

Store the currently displayed number (1,669.85) into memory. Then clear the calc line and recall from memory the stored number.

Keys:

→M **DEL**

Description:

Stores 1,669.85 into memory (register 0), then clears the calc line.

0.00

RM

Recalls the number from memory

Reg0(M) = 1,669.85

Converting Currencies and Other Units

Select **MENU** Conv Currency to display this screen:

Currency Conversions	
Dollar =	1.00
Pound =	0.54
Mark =	1.63
Franc =	5.33
Lira =	1,185.00
Peseta =	100.00
Escudo =	138.00
0.00	
Edit	Pound Franc Peseta More
Help	Dollar Mark Lira Escudo

Example: Updating the Exchange Rate Between Dollars and Marks.

The current rate shows \$1.00 equal to DM 1.63. Using the editing screen, change the rate so \$1.00 = DM 1.40.

Keys:**Description:****Edit** 1.4 **Mark**

This alters the exchange rate for the mark.

Dollar.....	RATE =	1.00
Pound.....	RATE =	0.54
Mark.....	RATE =	1.40

ESC

Returns to the conversion screen.

Example: Converting DM 400 into Dollars.**Keys:****Description:**400 **Mark**

Converts all the displayed currencies to values equal to DM 400 at the rate recorded on the editing screen.

Dollar =	285.71
Pound =	153.43
Mark =	400.00

You can convert units of measure in the same way. Just select Length, Area, Volume, or Mass from the Conv menu.

Example: Converting 2 Tons into Metric Tons.**Keys:****Description:****MENU** C M

Selects Conv Mass.

2 **TON**

Calculates all the equivalents for 2 tons, including 1.81 metric tons.

Financial Calculations (TVM)

The term **time value of money** (TVM) describes calculations based on money earning interest over a period of time. TVM calculations are for compounding interest (such as savings accounts and loans), amortization, and interest-rate conversions.

Doing these calculations is easy—just fill out the TVM screen. Select TVM from the menu.

Time Value of Money - case 1			
Number of periods.....	N	=	0.00
Annual interest.....	I%YR	=	0.00
Present value.....	PV	=	0.00
Payment.....	PMT	=	0.00
Future value.....	FV	=	0.00
Payments per year.....	P/YR	=	12
Begin/End mode.....	B/E	=	END
			0.00
Amort B/E N PV FV			
Help Iconv P/YR I%YR PMT			

TVM Screen to Fill Out

Example: A Home Mortgage and Amortization Schedule.

Calculate the monthly payment on a 15-year, \$95,000 mortgage at 10.5% annual interest. Then find the amount of the first year's payments that is applied toward the principal.

You must provide a value for each of the **variables** listed on the screen *except* the one whose result you are seeking. In this case, *PMT*, the payment, is the variable you are seeking, that is, **solving for**.

Keys:**Description:****MENU** T

Selects TVM, if necessary.

15 ***** 12 **N**

Enters the total number of payments (the number of compounding periods).

Alternative keystrokes: 15 **⇧** **N**.10.5 **I%YR**

Enters the annual interest rate.

95000 **PV**Enters the mortgage amount, the **present value**.0 **FV**Enters the **future value**, zero. This is the ultimate value of the loan, that is, when it is paid off.12 **P/YR**

Enters the payment (compounding) schedule: 12 payments/year.

Number of periods....	N	=	180.00
Annual interest.....	I%YR	=	10.50
Present value.....	PV	=	95,000.00
Payment.....	PMT	=	0.00
Future value.....	FV	=	0.00
Payments per year....	P/YR	=	12
Begin/End mode.....	B/E	=	END

Note that Begin/End mode should be set to END (the last item in the list). If it is *not*, then press **B/E** to change from BEGIN to END mode. This means that payments occur at the *end* of the compounding period, which is typical for loans and investments.

PMT

Calculates the monthly payment. *Note that the result is a negative number*, indicating money paid out.

Payment.....	PMT	=	-1,050.13
--------------	-----	---	-----------

Amort

Selects the amortization screen.

GO

Calculates the amortization for the first 12 payments (one year): \$2,756.73 have been applied towards the principal.

Group 1 Payments 1 - 12
Payments per Group: 12

Amort interest rate. I%YR' = 10.50
Amort payment..... PMT' = -1,050.13
Remaining balance... BAL = 92,243.27

Interest..... INT = -9,844.83
Accum. interest..... ACCUM = -9,844.83
Principal..... PRIN = -2,756.73

ESC

Returns to the TVM screen.

Calculate a new mortgage amount for a given payment:

Given the same mortgage terms as above, how big a loan could you get if you could pay back \$1,200 per month? *Remember to enter money paid out as a negative number.*

Keys:

Description:

1200 **+/-** **PMT**

Enters a \$1,200 payment into the same TVM form. *Do not clear the data.*

PV

Calculates the appropriate mortgage amount (present value): \$108,558.09.

Number of periods... N = 180.00
Annual interest..... I%YR = 10.50
Present value..... PV = 108,558.09
Payment..... PMT = -1,200.00
Future value..... FV = 0.00

Payments per year... P/YR = 12
Begin/End mode..... B/E = END

Solving Your Own Equations

The Solver creates screens like the TVM screen to help you solve your own equations. It is ideal for problems that you solve over and over.






Example: A Solver Equation for the Most Economic Ordering Quantity.

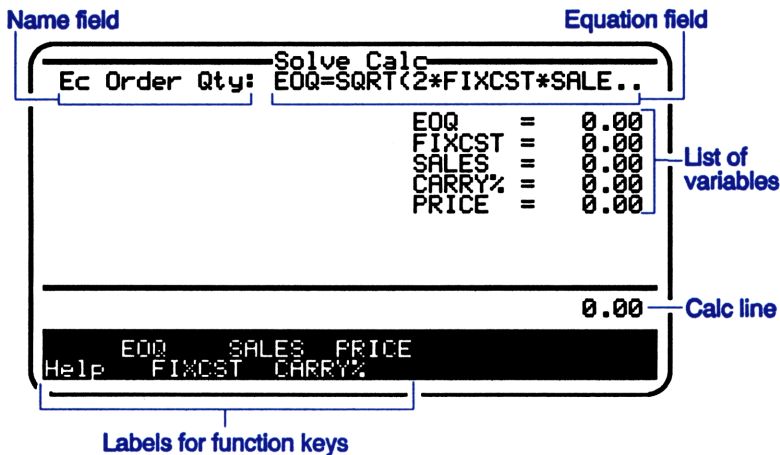
The following equation defines the **economic ordering quantity**—the optimum order size based on annual sales, purchase price, carrying costs, and the cost of making the order itself:

$$EOQ = \text{SQRT}(2 * \text{FIXCST} * \text{SALES} / (\text{CARRY\%} / 100 * \text{PRICE}))$$

<i>EOQ</i>	The economic ordering quantity.
<i>FIXCST</i>	The fixed costs of placing and receiving an order.
<i>SALES</i>	The annual unit sales.
<i>CARRY%</i>	The carrying costs as a percentage of inventory.
<i>PRICE</i>	The purchase price per unit of inventory.

Enter this equation into the Solver:

Keys:	Description:
 S	Selects Solve and displays the current catalog of equations, which is probably empty.
	Moves the highlight to the left-hand field for the name.
Ec Order Qty 	Enters a name for the equation.
	Highlights the right-hand field for the equation.
EOQ=SQRT(2* FIXCST*SALES/ (CARRY%/100* PRICE))	Enters the equation. (The editor screen automatically appears.)
	Checks the equation, then displays the named equation and its variables.



Calculate the economic ordering quantity:

Given are: fixed costs, \$35; annual sales, 10,000; carrying costs, 20% of inventory value; and purchase price, \$4.73.

Keys:

Description:

35 **FIXCST**

Enters the fixed costs.

10000 **SALES**

Enters the annual sales.

20 **CARRY%**

Enters the carrying costs as a percentage of inventory value.

4.73 **PRICE**

Enters the price per item.

EOQ

Calculates the economic ordering quantity (860.21, which you would round to 860).

EOQ	=	860.21
FIXCST	=	35.00
SALES	=	10,000.00
CARRY%	=	20.00
PRICE	=	4.73

Backsolve for SALES if you know the EOQ:

What would the annual sales need to be to support an economic ordering quantity of 1,000 items?

Keys:

1000 **EOQ**

SALES

Description:

Enters hypothetical ordering quantity.

Backsolves for *SALES*: what is needed to support the given *EOQ*.

SALES = 13,514.29

Delete the EOQ equation:

Keys:

ESC

Highlight the EOQ equation

DELETE BOTH

◀ DELETE

Description:

Displays the Solver catalog.

Deletes the equation and the variables.

Deletes the name of the equation.

To leave the Financial Calculator application:

You can either quit the Calculator (**MENU** Quit), or simply press another application key.

Introducing the Appointment Book

Press **(P)** to start the Appointment Book. If you have not yet set the current date and time, do so using the Date Current and Time Current commands in the Setup utility.

For help, press **(F1)** at anytime. To cancel a menu, press **(ESC)**. If pressing **(MENU)** causes a beep, press **(ESC)** and try again. To change applications, just press another application key.

The examples in this chapter will show you how to:

- Display the built-in calendar.
- Record appointments, including repeating appointments, with alarms and notes.
- Record tasks (to-do items).
- Check the time around the world.

The Built-In Calendar

The calendar runs from 1900 through 2099. Dates with appointments appear underlined in the calendar.

View the calendar:

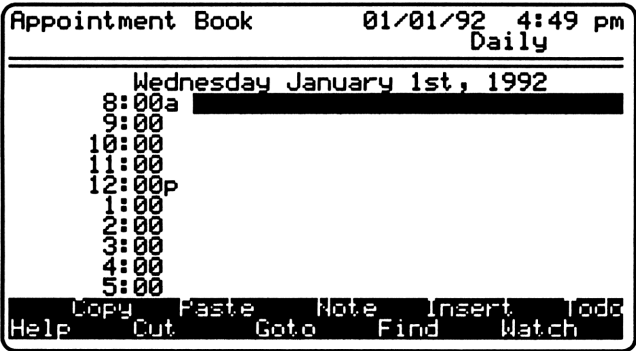
1. Select **(MENU)** View Calendar (press **(MENU)** V C).
2. Press **(PG UP)** and **(PG DN)** to display earlier and later months.
3. Press **Goto date** **(ENTER)** to change the calendar. Enter *date* according to the current format.
4. Press **Day** to display the current schedule again. Or, press **(ENTER)** to display the schedule for the highlighted date.
5. Pressing **(ESC)** from many screens also displays the Calendar.

Making Appointments

Example: Setting an Appointment on the Hour with an Alarm.

Enter a dinner appointment for today at 8:00 p.m. Set an alarm to go off a half-hour beforehand.

Keys:	Description:
MENU V D	Selects View Daily for the daily schedule (or just press Day).
Goto ENTER	If the displayed date is not the desired date, use Goto . (Goto uses today's date unless you change it.)



The Daily Schedule

▼ ▼ ...	Moves the highlight to 8:00 p.m.
Dinner ENTER	Sets an 8:00 p.m. appointment labeled Dinner.
ENTER	Displays the settings for this appointment.

Edit Day 01/01/92 2:35 pm
Enter the appointment.

Appt: Dinner

Date: 01/01/92

Start time: 8:00
End time: 9:00

Alarm: disable Leadtime: 05

Help

Save

Watch

Information you specified
Automatically set for 1 hour after start time
Default alarm time is 5 minutes before appointment time
No alarm

Information Fields for Appointment

Keys:



Spacebar

Description:

Highlights the alarm field.

Turns the alarm on.

Alarm: enable Leadtime: 05

30

Sets the alarm to go off 30 minutes beforehand.

Done

Saves the changes to the appointment.

The musical note next to the appointment entry indicates that an alarm is set. The heavy bracket indicates the duration of the appointment.

To display tomorrow's schedule, press **PG DN**. For yesterday, press **PG UP**.

Example: Setting (Inserting) an Appointment That's Not on the Hour.

Enter an appointment for a two-hour review meeting at 1:30 p.m. on March 25, 1992. Since 1:30 is not a time already shown on the schedule, you need to *insert* 1:30 p.m. into the schedule.

Keys:

`Goto` 3/25/92

`ENTER`

`Insert`

Review mtg `▼`

`▼` 1:30p `▼` 3:30

`Done`

Description:

Displays the day's schedule for March 25, 1992.

Displays information fields.

Enters an appointment label.

Skips the date field, enters starting and ending times.

Enters the appointment; displays the daily schedule for March 25.

Appointment Book 01/01/92 4:37 pm
Daily

Wednesday March 25th, 1992

8:00a
9:00
10:00
11:00
12:00p
1:00
1:30 Review mtg
2:00
3:00
4:00

Copy Paste Note Insert Today
Help Cut Goto Find Watch

`Goto` `ENTER`

Displays today's schedule again.

To save a note with your appointment:

1. In the daily schedule, highlight the desired appointment and press `Note`.
2. Type in the note.
3. Press `Done`. The rectangle next to the entry indicates that this appointment has a note.

To edit (alter) an appointment:

- 1. In the daily schedule, highlight the appointment, then press **ENTER** to display its settings.
- 2. Make the changes, then press **Done**. (Or press **ESC** to cancel the changes.)

Example: Setting Repeating Appointments.

Enter an appointment for a staff luncheon at 11:30 p.m. the first Wednesday of every month. This is called a **repeating** appointment. Repeating appointments can be set by the **week**, by the **month** (by **date** or **position**), or by the **year**. This appointment is set by its position in a month.

Keys:	Description:
MENU V M P	Selects View Monthly-Repeat Position because the interval is based on the appointment's position in a month.
Insert	Displays all information fields.
Staff lunch ▼	Enters the appointment label.
Spacebar ... ▼	Selects the first week of the month.
	Week : 1st
Spacebar ... ▼	Selects the day of the week.
	Week day: Wednesday

11:30a ▼ ▼

Sets the starting time. The ending time will automatically be set for 1 hour later.

▼ ▼

Enters today's date for the starting date. The ending date is set automatically for 1 year later.

Spacebar

Sets an alarm for 5 minutes ahead.

Done

Saves the appointment. The display shows you all existing monthly-by-position repeating appointments.

Day

Displays the daily schedule. If this is the same day of the month as the repeating appointment, then the schedule will show the repeating appointment, marked to the left with a small square.

To edit (alter) a repeating appointment:

1. Select **MENU** View, then select the repeat cycle to display the appropriate list of repeating appointments.
2. Highlight the appointment, then press **ENTER** to display the settings.
3. Make the changes, then press **Done**. (Or press **ESC** to cancel the changes.)

To stop a repeating appointment, edit its ending date.

Deleting Appointments

Appointments remain in the Appointment Book even when the date is past. To clean up the Appointment Book and regain memory, delete old appointments.

To delete all old appointments and to-do lists:

1. Select **MENU** Remove.
2. Type in today's date. (This targets entries dated before today.)
3. Press **ENTER**, then type Y for yes.

To delete or reschedule a single appointment:

1. In the daily schedule, highlight the appointment and press **Cut** (**F3**).
2. To reschedule the appointment, highlight the new time on the correct date and press **Paste**.

Making To-Do Lists

To create a list of items or tasks:

1. Press **Todo** from the daily schedule. (If **Todo** is not available, press **Day** first.)
2. Press **Insert**.
3. Fill in all fields (press **▼** to move to the next field):
 - A description of the item.
 - Its priority (1st-9th); press **Spacebar** to select the priority.
 - Carry forward: press **Spacebar** to select whether an item that's not checked off should be carried forward to the next day.
 - Date.
4. Press **Done** to save the item and display the to-do list, or press **Insert** to add another item. The to-do list for one day includes all items carried forward from previous days.
5. Press **Day** to display the daily schedule.

To display a to-do list:

1. Press **Todo** from the daily schedule.
2. To display the list for a different date, press **Goto date** **ENTER**.

Indicates the item is checked off

```
Appointment Book      01/01/92  5:13 pm
                        Todo
-----
Wednesday January 1st, 1992
1st Priority: # Call vendors
2nd Priority:  Distribute draft
3rd Priority:  Ck new products

Copy  Paste  Note  Insert  Day
Help  Cut   Goto  Find   Watch
```

A To-Do List

To check off a to-do item:

1. Highlight the item you want to check off in the to-do list.
2. Press **[Spacebar]** to check off the item with a # mark. (Pressing **[Spacebar]** again removes the #.)
3. Press **[Day]** to display the daily schedule again.

The checked off items will not be carried forward to the next day.

To edit (alter) a to-do list:

1. Highlight the item in the to-do list.
2. Press **[ENTER]** to display its information.
3. Make the changes, then press **[Done]**. (Or press **[ESC]** to cancel the changes.)

Viewing the Time in Cities Around the World

Example: Checking the Time in Another City.

Suppose you live in Winnipeg (the local city) and you want to know the time in Geneva (the world city). Assume that Winnipeg is currently on daylight savings time.

Keys:

Watch ▼ ▼ ▼

Description:

Displays the watch and highlights the local-city field.

City

Displays the list of cities.

w

Displays that portion of the city list beginning with W.

Warsaw Poland 01:00

i **ENTER**

Highlights Winnipeg, then ends the city search.

DST

Sets DST. The offset from GMT means that Winnipeg's daylight savings time is 5 hours later than Greenwich Mean Time.

Winnipeg Canada -05:00 DST

ENTER

Selects Winnipeg as the local city. If appropriate, a message asks whether to automatically change the current time and date to match the new city.

▼ **City**

Highlights the world-city field and displays the city list.

ge

Highlights Geneva.

Geneva Switzerland 01:00

ENTER **ENTER**

Ends the city search and selects Geneva as the world city. Its current date and time appear.

ApptBk

Returns to the previous display in the Appointment Book.

Display a new, blank appointment book:


MENU F N
N

Selects File New, then No, to clear the current appointments and display a new, empty appointment book. This appointment book is now ready for you to fill.

Leaving the Appointment Book Application

When you switch to another application, all the appointments are maintained in the Appointment Book, but not in a file. If you quit the Appointment Book instead (**MENU** Quit), you will be asked whether to save the appointments and, if yes, in which file.

Introducing the Phone Book

Press  to start the Phone Book.

For help, press **(F1)** at anytime. To cancel a menu, press **(ESC)**. If pressing **(MENU)** causes a beep, press **(ESC)** and try again. To change applications, just press another application key.

The examples in this chapter will show you how to:

- Add an entry (a name, number, and address).
- Delete an entry.
- Open a phone book file.
- Search for a specific name.
- Search for specific text anywhere in any entry.

Example: Making an Entry in the Phone Book.

Enter the Water Lily Corp. into the Phone Book. Use the telephone number (617) 555-5555 and the address 123 Nelumbo Road, Flowers, MA.

Display the index if Index is *not* already displayed in the second line of the display (press Index on **(F10)**). If entries are already present, first select **(MENU)** File New.

Keys:

Insert

Description:

Displays the card for recording an entry.

Insert card		01/01/92	5:26 pm
Enter the name			
Name:			
Number:			
Address:			
Help		Insert	Done

The Card View

Water Lily Corp. Enters the name and highlights the next field.

ENTER

(617) 555-5555 Enters the number and highlights the next field.

ENTER

123 Nelumbo Rd Enters the address.

ENTER Flowers, MA

Name: Water Lily Corp.

Number: (617) 555-5555

Address:

123 Nelumbo Rd

Flowers, MA

Done

Ends the entry and displays the index.

Water Lily Corp. (617) 555-5555

Delete the entry for the Water Lily Corp.:

Keys:

Description:

Cut

Deletes the highlighted entry from the index.

Retrieve the built-in phone book file _1.PBK:

This file lists several countries, their telephone country codes (for direct international dialing to those countries), and their telephone prefixes for direct international dialing out of those countries. This phone book file is stored in the subdirectory C:_DAT and is used here for examples.

Keys:

Description:

MENU F O

Selects File Open.

Replace file without saving ? (Y/N)

Y

Do not save the current (empty) phone book file.

*Highlight the file
_1.PBK*

ENTER

Opens the highlighted file _1.PBK.

File name	Index view
Phone Book _1.pbk	01/01/92 12:08 pm Index
Argentina	54
Brasil	55
Bundesrepublik Deut	49
Canada	1
Costa Rica	506
Danmark	45
Eire	353
España	34
France	33
Italia	39
México	52
Copy Paste Only Insert Card Help Cut Goto Find Tag	

The Index View

Look at the card entry for “Brasil”:

Keys:	Description:						
▼	Highlights Brazil with its country code.						
	<table><tr><td>Brasil</td><td>55</td></tr></table>	Brasil	55				
Brasil	55						
Card	Opens the card entry, showing all information for Brazil (00 is the international dialing-out prefix).						
	<table><tr><td>Name:</td><td>Brasil</td></tr><tr><td>Number:</td><td>55</td></tr><tr><td>Address:</td><td>00</td></tr></table>	Name:	Brasil	Number:	55	Address:	00
Name:	Brasil						
Number:	55						
Address:	00						

Index	Displays the index again.
--------------	---------------------------

Search for the entry for Japan (“Nippon”):

The **Goto** (**F5**) function searches just the name field of each entry. This function works *even without pressing Goto*.

Keys:	Description:		
n	The search for an initial “n” starts as soon as you press N . It highlights the first N-name. (Notice Goto in the display.)		
	<table><tr><td>Nederland</td><td>31</td></tr></table>	Nederland	31
Nederland	31		
i	Highlights the only name beginning with “Ni”.		
	<table><tr><td>Nippon</td><td>81</td></tr></table>	Nippon	81
Nippon	81		

ENTER	Ends the search.
--------------	------------------

Search for the text “Ost” to find information on eastern Germany:

The **Find** (**F7**) function searches *all* fields of text in an entry.

Find ost **ENTER** Highlights the name and country code of the entry containing the text “Ost”.

Bundesrepublik Deut 49

Card Displays the card entry containing the sought text. Ost: gives the code for eastern Germany (37) and its international dialing-out prefix (06).

Name: Bundesrepublik Deutschland
Number: 49
Address:
00
Ost: 37
06

Index Closes the card.

Display a new, blank phone book:

MENU F N
N Selects File New, then No, to clear the current entries and display a new, empty phone book. This phone book is now ready for you to fill with your own entries.

Leaving the Phone Book Application

When you switch to another application, the current entries are maintained in the Phone Book, but not saved in a file. If you quit the Phone Book instead (**MENU** Quit), you will be asked whether to save the entries and, if yes, in which file.

Introducing the Memo Editor

Press **[F1]** to start the Memo Editor.

For help, press **[F1]** at any time. To cancel a menu, press **[ESC]**. If pressing **[MENU]** causes a beep, press **[ESC]** and try again. To change applications, just press another application key.

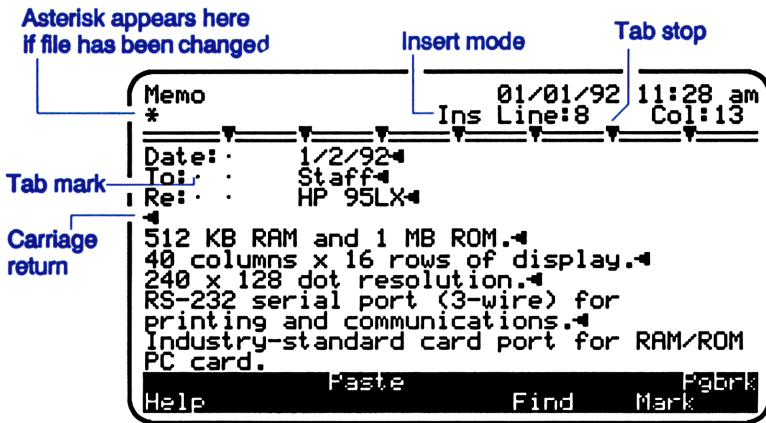
The examples in this chapter will show you how to:

- Create a memo.
- Search for specific text within a memo.
- Edit text, including moving and copying text (“cut and paste”).
- Change the line length on the screen (wrap).
- Save, delete, and retrieve memos.

Example: Creating a Simple Memo.

Enter the short memo shown in the screen below. Use tab spaces (press **[Tab]**) where shown to align text, and use **[ENTER]** for the carriage returns shown. The backspace key (for deletions) is **[Backspace]**.

If a memo is already present, first select **[MENU] File New**.



Search for the text “MB” and change it to “megabytes”:

Keys:

PG UP

Description:

Moves the cursor to the beginning of the memo.

Find mb (ENTER)

Cursor moves to the “M” in “MB”.

512 KB RAM and 1 MB ROM.␣

Check that Insert mode is on (Ins appears below the date). If Overwrite mode is on (Ovr), press **INS** (**⇧ DEL**) to change it.

DEL DEL megabyte Enters new text.

512 KB RAM and 1 megabyte ROM.␣

Move line 1 after line 2 using the Clipboard:

The Clipboard functions used here are **Mark** (**F9**), **Cut** (**F3**), and **Paste** (**F4**). The fourth Clipboard function, **Copy** (**F2**), is not used in this example.

Keys:**Description:****HOME**

Moves cursor to the beginning of the line, under the 5.

512 KB RAM and 1 megabyte ROM.¶

40 columns x 16 rows of display.¶

Mark **END**

Highlights the whole line that we want to move.

Cut

Deletes the line, but saves it in the Clipboard buffer.

▼ Paste

Inserts the deleted line after the current line.

40 columns x 16 rows of display.¶

512 KB RAM and 1 megabyte ROM.¶

Increase the line length (wrap) to 80 characters:

Change line wrapping from 40 characters to 80 characters to fill a full PC screen. To view lines longer than 40 characters on the HP 95LX screen, keep moving the cursor to the far right.

Keys:**Description:****MENU** S W 80**ENTER** Q

Selects Settings Wrap, specifies wrapping at 80 characters, and quits the menu. The last two lines are now too long for the 40-character HP 95LX screen.

RS-232 serial port (3-wire) for printing
Industry-standard card port for RAM/ROM

PG DN

This moves the cursor to the very end of the last line, so you can read to the end of the last line.

ial port (3-wire) for printing and commu
tandard card port for RAM/ROM PC card.

Display a new, blank memo:

Keys:

(MENU) F N
N

Description:

Selects File New, then No, to clear the previous memo without saving it.

Leaving the Memo Editor Application

When you switch to another application, the current memo is maintained in the Memo Editor, but not saved in a file. If you quit the Memo Editor instead (**(MENU)** Quit), you will be asked whether to save any changes and, if yes, under what file name.

To save a memo:

Select **(MENU)** File Save, then type *file name* **(ENTER)**. (This automatically saves the memo in the subdirectory _DAT. To save it somewhere else, use **(+)** to erase C:_DAT\.)

Note that Filer operations use files as they have been saved to the RAM disk. Therefore, if you do *not* save a changed memo before switching to another application, the displayed version won't match the previously saved file. A memo that has never been saved in a file won't appear in the Filer at all.

To delete a memo:

You must use the Filer. Press **(F)**, then highlight the file name, and press **Delete**. (If the file is in a subdirectory, you will need to display that subdirectory to find the file name you want.)

To retrieve a memo:

Select **(MENU)** File Open, then highlight the file name, and press **(ENTER)**.

Contacting Hewlett-Packard

For Information About Using this Product. If you have questions about general use of this product, or if you'd like to find out about Applications Notes and other product information, call our Automated Information Service:

Hewlett-Packard
Customer Support—Automated Information Service
(800) 443-1254
6:00 a.m. to 5:00 p.m. Pacific time
Monday through Friday

For technical consulting with our Product Support Representatives:

Hewlett-Packard
Customer Support
1000 N.E. Circle Blvd.
Corvallis, OR 97330, U.S.A.
(900) 288-0025 (first minute free)
8:00 a.m. to 3:00 p.m. Pacific time
Monday through Friday

For Service. If your HP 95LX doesn't seem to work properly, see appendix A of the *HP 95LX User's Guide* for diagnostic instructions and information on obtaining service. If you are in the United States and your HP 95LX requires service, mail it to the Corvallis Service Center:

Hewlett-Packard
Corvallis Service Center
1030 N.E. Circle Blvd.
Corvallis, OR 97330, U.S.A.
(503) 757-2002

If you are outside the United States, see appendix A of the *User's Guide* for information on locating the nearest service center.

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