



Connectivity Pack User's Guide

for the HP 100LX



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Edition 2



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Setting Up Your System

What Does the Connectivity Pack Do?

The Connectivity Pack turns your HP 100LX into a palmtop extension of your desktop PC. It's the answer for those times you wish you could take your PC with you when you leave your desk.

The Connectivity Pack provides two main programs:

- **HP 100 Applications (APP100) program.** This program provides PC versions of HP 100LX applications, including the Filer for transferring files between a PC and your HP 100LX—plus Translate/Merge, a utility for manipulating Appointment Book files and Phone Book files.
- **DOS Redirector program.** This program—for advanced users—maps HP 100LX disk drives into your PC file system, and PC disk drives into your HP 100LX file system. This gives you direct access to HP 100LX files from any PC application, and lets you install PC software onto your HP 100LX.

Here are some examples of the capabilities the Connectivity Pack provides you.

Taking Files With You. Suppose you copy an important Lotus® 1-2-3® worksheet from your PC to your HP 100LX. Then, while you're away from your desk, you use your HP 100LX to enter new data or perform new analyses in that file. When you return to your desk, the Connectivity Pack lets you simply copy the modified worksheet from the HP 100LX back to the PC. (See chapter 2, "Transferring Files.")

Accessing HP 100LX Files. Suppose you have a particular Lotus 1-2-3 worksheet that you frequently use on your HP 100LX. The Connectivity Pack enables you to use 1-2-3 on your PC to open the worksheet file on your HP 100LX *without having to copy the file*

to your PC. You can then make changes, and save the changes in the worksheet file on your HP 100LX. (See chapter 5, "Using the Redirector.")

Merging Appointment Files. Suppose you keep your appointments in an Appointment Book file on your PC. Before you leave on a business trip, you copy your PC Appointment Book file to the HP 100LX. While you're away, you make changes to the Appointment Book file on your HP 100LX, and your secretary makes changes to the Appointment Book file on your PC. When you return, the Connectivity Pack lets you merge the two Appointment Book files into a single updated file containing all the appointments. (See chapter 4, "Managing Appt and Phone Files Using Translate/Merge.")

Backing Up Files. You can easily safeguard your HP 100LX files by using the Connectivity Pack to make backup copies onto your PC hard disk as often as needed. (See chapter 2, "Transferring Files.")

Getting Ready

The MS-DOS Connectivity Pack contains the following:

- A 5.25-inch flexible disk.
- A 3.5-inch flexible disk.
- A serial cable.
- Five adapters (printer, 25-pin modem, 9-pin modem, computer, and HP 100LX-to-HP 95LX).

In addition to the MS-DOS Connectivity Pack itself, you'll need an IBM PC or compatible computer containing the following:

- A 5.25-inch, 1.2-MB flexible disk drive, or a 3.5-inch, 1.44-MB flexible disk drive. (If your PC only accepts low-density disks, call the HP support line listed on the inside back cover of this manual to request free low-density disks.)
- A 286 or higher CPU.
- 640 KB RAM, and at least 512 KB user-available memory.
- An EGA or higher display.
- A hard disk drive.
- An available serial port.

1-2 Setting Up Your System

- MS-DOS® operating system, version 3.3 or later. The Connectivity Pack is also compatible with Windows (provided your PC has sufficient memory).

The installation procedure is a *one-time* process consisting of three main steps (described in detail in the rest of this chapter):

1. **Installing the software on your PC.**
2. **Connecting the HP 100LX and PC.**
3. **Configuring the Connectivity Pack for communications.**

After completing these three installation steps, you can use the Connectivity Pack applications and the Filer to transfer files from your PC to your HP 100LX, and vice-versa.

Chapter 5, “Using the Redirector,” describes the Redirector software, which seamlessly “maps” drives between the PC and HP 100LX. Because Redirector must work closely with DOS to do this, it has a slightly more complex setup procedure, described in chapter 5.

Step 1: Installing the Software

You must install the Connectivity Pack software onto a hard disk in your desktop PC. If your PC is connected to a network, make sure you do *not* install the software on a network drive.

Note



If you have problems during the software installation, see chapter 6, “Fixing Problems.”



To install the Connectivity Pack software onto your PC hard disk:

1. Make sure the PC is on and the MS-DOS prompt appears. Save all files and close all applications (including Microsoft Windows if you’re using it).
2. Insert the Connectivity Pack disk into a flexible disk drive in your PC. This drive is usually A, and A is used in the instructions that follow. If you use a different drive, substitute that drive’s letter instead.

3. At the MS-DOS prompt type

```
a:   
install 
```

This makes drive A the active drive and starts the installation process. Follow the instructions on the screen to select a hard disk and directory. *You can usually use the suggested drive and directory: if you use a different drive or directory, record the drive letter and directory name below.*

.....
.....
.....

4. When Install is finished, remove the disk from the drive.

Time Out



The Connectivity Pack software requires that the FILES statement in your PC's CONFIG.SYS file be set to 15 or higher. It's very likely that this is already the case. See chapter 6, "Fixing Problems," for instructions on checking and modifying the FILES statement.

5. Optional step: If you're familiar with DOS and want to be able to run the Connectivity Pack application from any directory, use a text editor to add the Connectivity Pack directory to your PC's AUTOEXEC.BAT file PATH statement. (The directory name is C:\CPACK100, unless you chose another during installation.)

If you don't modify the PATH statement, you can still use the Connectivity Pack software, but you must be in the Connectivity Pack directory to start it.

At this point, the software is installed on your PC's hard disk. In the next step, you'll connect your PC to your HP 100LX so that the Connectivity Pack can communicate between the two.

1-4 Setting Up Your System

Step 2: Connecting the HP 100LX and PC

You will use the serial cable provided with the Connectivity Pack to connect your HP 100LX to a serial port on your PC.

Time Out



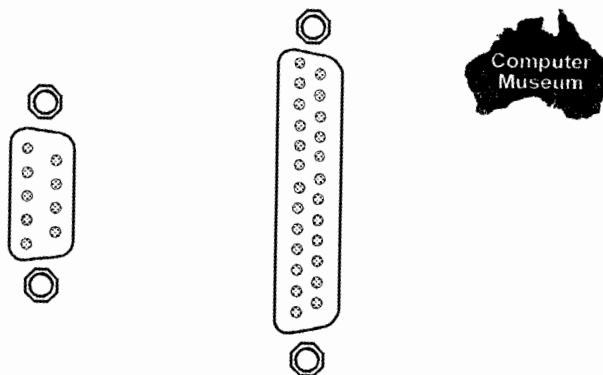
Don't worry if you don't know the "COM" names of the serial ports on your PC—you can use any of them.

Double-check the PC serial connector you decide to use. Some connectors require special adapters not included with the Connectivity Pack, as mentioned below. Also, a parallel port or a game port may *look* like a 25-pin serial port, but it won't let you connect to your HP 100LX.

To connect your HP 100LX to your PC's serial port:

1. Find a serial port on the PC—it's either a 9-pin or 25-pin connector. If you have *more than one serial port*, it's simplest if you choose the "first" one, called COM1, though you can also use COM2, COM3, or COM4 if you need to.

If your PC has a serial mouse, it's probably connected to COM1. In that case, you should use your PC's COM2 port for the Connectivity Pack. Often, PC cards with *two* connectors are serial cards with two ports, COM1 and COM2.



9-Pin and 25-Pin Serial Connectors on the PC

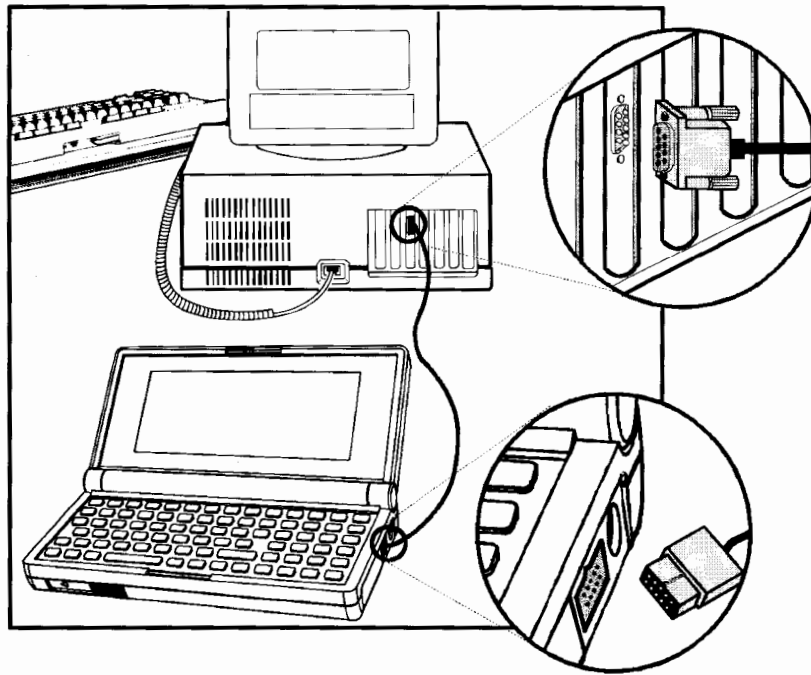
2. Connect the serial cable to the PC serial port. In most cases, the Connectivity Pack serial cable and 25-pin adapter provide the correct serial connection between the HP 100LX and the PC. If the cable or 25-pin adapter doesn't fit your serial port, you'll need to use different adapters—refer to the table below.

Serial Connections for the HP 100LX

To connect to ...	Use ...
PC Serial Port (9-pin male)	Serial cable
PC Serial Port (25-pin male)	25-pin ↔ Serial cable adapter
PC Serial Port (25-pin female)	Printer ↔ Serial cable adapter Gender ↔ 25-pin ↔ Serial cable converter ¹ adapter
Modem ² (25-pin female)	Modem ↔ Serial cable adapter Null ↔ Gender ↔ 25-pin ↔ Serial modem ¹ converter ¹ adapter cable
PC Printer ³ (25-pin female)	Printer ↔ Serial cable adapter
¹ From electronics supply store or computer dealer. ² A modem connection requires additional setup steps after you complete this chapter—see chapter 2, "Transferring Files." ³ For more information on printing with your HP 100LX, see the <i>HP 100LX User's Guide</i> .	

3. Plug the other end of the cable into the HP 100LX serial port—the 10-pin connector on the right side of the case, as shown in the following figure.

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Step 3: Configuring for Communications

You must set the Connectivity Pack's communications parameters in the following three applications before you can transfer files:

- Connectivity Pack Setup (only if you're using COM3 or COM4).
- HP 100LX Filer.
- Connectivity Pack Filer.









If you're using the COM1 or COM2 ports on your PC, skip to the next procedure, "Configure the HP 100LX Filer."

To configure the Connectivity Pack Setup (only for COM3 or COM4):








1. Find the address and interrupt (IRQ) for the PC serial port you're using—see the documentation for your PC or serial port, or contact your PC dealer.

2. On the PC, start the APP100 program. At the MS-DOS prompt type

APP100 



3. Press  to start the Connectivity Pack Setup application.
4. Press  (to access the menus),  (for the Options menu), then  (for the Communications Port command).
5. Select from the IO Address and Interrupt lists the address and interrupt values you found in step 1.
6. If you changed the values, press  () to save the changes.
7. Press   to return to the main Connectivity Pack screen.

To configure the HP 100LX Filer:

1. On the HP 100LX, press  to start the Filer.
2. Press   (for the Communications menu), then  (for the Remote Settings ... command).
3. Verify that the Baud rate is 9600. (You *can* use a different baud rate if you set up the same baud rate for the PC Filer in the next procedure. However, very high baud rates, such as 57600 and 115200, may not work reliably with some PCs.) To change the baud rate, press  (for Baud settings), then use the arrow keys to select a new rate.
4. Verify that the Interface is COM1 (*not* COM2). *This is the HP 100LX's serial port—it doesn't have to match the PC serial port.* To change it, press  (for Interface settings), then use the arrow keys to select COM1.
5. Verify that the Server Mode is Enabled (this allows the HP 100LX Filer to become a server when the Connectivity Pack Filer on your PC demands information). If not, press  and an arrow key to select Enabled.

Note



This is one of several points where the HP 100LX and Connectivity Pack software let you save the selections you've made for future use: you can press  () and specify a file name for saving the Connectivity Pack remote configuration. This feature is useful when you use the Connectivity Pack software with different computers.


6. Press  ()

1-8 Setting Up Your System





7. Leave the Filer active for the following steps.

To configure the Connectivity Pack Filer:

1. Make sure the PC and HP 100LX are connected.
2. **On the PC**, start the APP100 program. At the MS-DOS prompt type

APP100 

(Skip this step if the application is already running.)

3. Press  to start the Connectivity Pack Filer.
4. Press  (to access the menus),  (for the Communications menu), then  (for the Remote Settings ... command).

Time Out



In the next two steps, you'll identify some important communications settings. If you don't know them, guess the settings and follow steps 7 through 10 to verify that the connection works. If it doesn't, try the following different Interface settings and connections:

1. Try the COM1, COM2, COM3, and COM4 settings.
2. Try plugging the serial cable into different serial ports. If another cable is already connected to a port, you might unplug it—at least temporarily. For each port you try, try the COM1 through COM4 settings again.
3. Try a different baud rate: very high baud rates, such as 57600 and 115200, might not work reliably with some PCs. The baud rate must be set to the same number in both the HP 100LX and PC Filers.
4. Try the COM3 and COM4 settings again, but this time verify their port addresses and interrupts—see “To configure the Connectivity Pack Setup” earlier in this step.
5. See “If the Filer can't connect to the remote computer” under “Symptoms” in Chapter 6.

5. Verify that the baud rate is the same as in the HP 100LX's Filer. To change it, press **B** (for Baud settings), then use the arrow keys to select a new baud rate.
6. Verify that the Interface setting matches the name of the serial port you're using on the PC. To change it, press **I** (for Interface settings), then select the proper COM option using the arrow keys.
7. Verify that the Server Mode is Enabled. If not, press **S** and an arrow key to enable it.
8. Press **OK** (**F10**).
9. Press **Split** (**F7**) to split the screen into left and right windows. (Skip this step if it's already split.)
10. Press **Remote** (**F6**) to establish a remote connection with the HP 100LX.
11. Check for a successful connection:
 - If the Filer display on the PC shows a **Remote** label at the top of the directory listing, the Filer setup is working—you'll see a *Remote*—HP 100LX—directory on the left side and a *Local*—PC—directory on the right side. The HP 100LX displays **In Server Mode**.
 - If the Filer on the PC displays an error message, the setup isn't working. Go back to the note before step 5 and try a different Interface option, serial connection, or baud rate.


Note



The Connectivity Pack applications define the "Server" as the computer performing commands, and the "Client" as the computer giving the commands. The HP 100LX can be a server and the PC a client, and vice-versa, but neither can be a server and client at the same time.

12. Press **Discon** (**F10**) to disconnect the Filers.
13. Exit both the PC and HP 100LX Filers (press **ALT**, then **Q**).

The Connectivity Pack software is now ready to work! To use the Connectivity Pack on your PC, at the MS-DOS prompt type

APP100 

If you correctly modified the PATH statement when you installed the software, you can run APP100 from any directory; otherwise, you must be in the Connectivity Pack directory to start it.

1-10 Setting Up Your System

Where to Go Next

- If you want to exchange files between your HP 100LX and PC, see chapter 2, “Transferring Files.”
- If you want to learn more about using HP 100LX applications on your PC, see chapter 3, “Using Connectivity Pack Applications on the PC.”
- If you want to Merge, Translate, or Synchronize Appointment Book or Phone Book files, see chapter 4, “Managing Appt and Phone Files Using Translate/Merge.”
- If you want to work with HP 100LX files from your PC without having to transfer them to your PC (or vice versa), see chapter 5, “Using the Redirector.”
- If you have problems setting up or using your system, see chapter 6, “Fixing Problems.”

Transferring Files

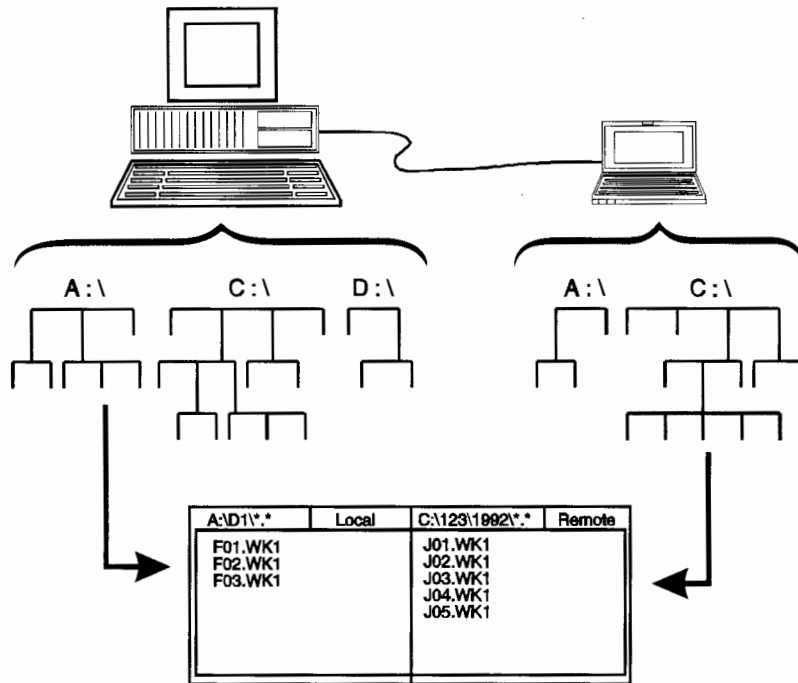
This chapter describes how to use the Connectivity Pack Filer to transfer and back up files. You can transfer files between your PC and your HP 100LX using any of these file-management techniques:

- **The Filer.** Working at either the PC or the HP 100LX, you can copy or move files from one computer to the other. The Filer provides a visual catalog of files. To use the Filer, you run the HP 100LX Applications program, APP100.
- **MS-DOS Commands with Redirector.** Working at the PC, you can copy or move files from one computer to the other using standard MS-DOS commands. Or you can simply work with HP 100LX files directly from the PC *without putting them on the PC*. To use MS-DOS commands, you must first configure and start the Redirector program (see chapter 5, “Using the Redirector”).
- **A File-Management Application with Redirector.** Working at the PC, you can use your favorite file-management application (Microsoft Windows’ File Manager, for example) to copy and move files from one computer to the other. To do this, you must first configure and start the Redirector program (see chapter 5, “Using the Redirector”).

If you want to back up HP 100LX files onto your PC, see “Backing Up Files” later in this chapter.

The following two illustrations compare how the Filer and Redirector give you access to files on the PC and HP 100LX.

When you use Filer's Remote feature (which communicates with a Filer on another PC or HP 100LX) "Local" and "Remote" at the top of the Filer screen indicate the location of the drives, as shown in the following figure.



Viewing PC and HP 100LX Directories with Filer on the PC

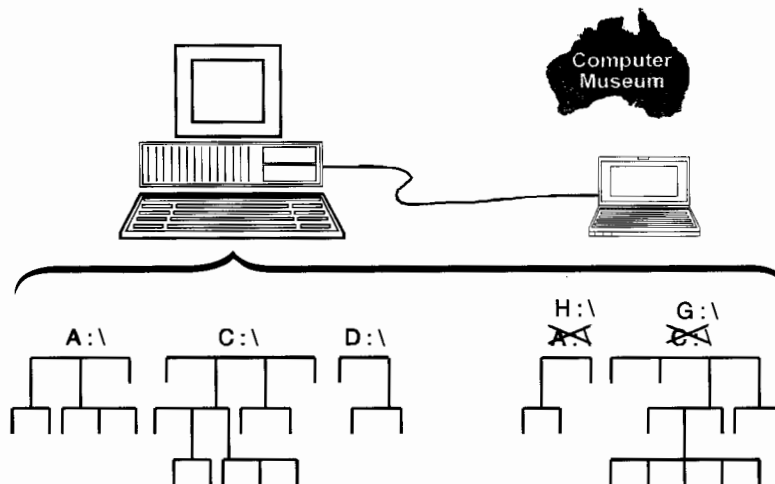
Note



Remember: the "local" directory is the one related to the keyboard you're using, and the "remote" directory is the one related to the other computer.

2-2 Transferring Files

When you use Redirector to reassign HP 100LX or PC drives, you can access drives on the other computer by using the new drive letters assigned to them. The PC, for example, can access the HP 100LX's C and A drives as drives G and H, as shown in the next illustration. See chapter 5 for more information about configuring and using the Redirector.



Accessing HP 100LX Files with Redirector on the PC

Working at the PC

Use the following procedure to transfer files between the PC and the HP 100LX while working at the PC.

Note



If at any time during this procedure your PC displays Remote connection broken, press **Remote** (F6) on your PC to reconnect.

To transfer with the Filer on the PC:

1. Make sure that the HP 100LX and your PC are connected.
2. On the HP 100LX, press **ON**, then press **☐** to open the Filer.
3. On the PC, start the APP100 program. At the MS-DOS prompt type
APP100 **↵**
4. Press **F** to open the Filer.
5. Press **Split** (**F7**) to split the screen, then **Remote** (**F6**) to establish a remote connection. The display shows a *local* (PC) directory and a *remote* (HP 100LX) directory—one directory from each computer, as shown below.


Filer		File List		85/28/93 9:45 am	
C:*.*		Remote	C:*.*	Local	
_DAY		View Up <DIR>	123R24 3OPEN 95DEMO ANDRE ARPA_PC BACKUP BIN BLD28 CCWIN COMMS CORELDRW COUGAR	View Up <DIR>	<DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR> <DIR>
Dirs: 1 Files: 0 Bytes: 0		Bytes Free on Disk: 299,520			
Help	Copy	Move	Filter	Goto	Local Full View Tree Disconnect

Remote and Local Windows on the PC

Always keep in mind that these are two separate directories on two separate drives on two separate computers—even if the directories have the same name (such as C:\). The screen above has the *Remote*—HP 100LX—drive on the left, and the *Local*—PC—drive on the right.

















6. Display the *destination directory*—the place where the file will go:
 - a. Press **◀** or **▶** to move the highlight to the window for the computer where the file will go.
 - b. If the name of the desired directory isn't shown at the top of the window, change to the desired directory—press **Goto** (**F5**) and enter the directory name, or highlight the directory name and press **↵**.
7. Display the *source directory*—the place where the file comes from:
 - a. Press **◀** or **▶** to move to the other window—that for the computer where the file comes from.
 - b. If the name of the desired directory isn't shown at the top of the window, change to the desired directory—press **Goto**

2-4 Transferring Files

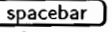
- (F5) and enter the directory name, or highlight the directory name and press .
8. Highlight the file you want to transfer. (If you have more than one file to transfer, see “To transfer multiple files,” below.)





Note

In the next step, be sure to check the file and directory name where the file will be transferred to, and to edit it if needed.

9. Transfer the file:
- To copy the file without affecting the original, press , then , then , then .
 - To move the file and delete the original, press , then , then , then .
10. After the file is transferred, press , then ) to break the remote connection.
11. Press ,  to quit the Filer application.
12. Press ,  again to quit the APP100 program.
13. On the HP 100LX, press , .

To transfer multiple files:














If you have more than one file to transfer, you can mark those files and transfer them in a group. Use  to mark each file—or use the menu command Options Tag ... for more marking choices.

You can also transfer an entire directory and any files and subdirectories it contains. To do this, display the *next higher* directory and highlight the directory name you want to transfer. (For example, to transfer the C:\MATH directory, display the C:\ directory and highlight MATH.) Then use , then ) or , then ) to transfer the entire directory (and its subdirectories) into the destination directory.

Working at the HP 100LX

You can also work with the HP 100LX Filer to transfer files between the PC and HP 100LX. The procedure is basically the same as that for the PC Filer, since the Filer works the same way on both computers. The following steps summarize the procedure—for specific details, see “Working at the PC” earlier in this chapter.

To transfer with the Filer on the HP 100LX:

1. **On the PC**, start the APP100 program Filer. At the MS-DOS prompt type
APP100 
2. Press  to open the Filer.
3. **On the HP 100LX**, open the Filer (press ).
4. Press  () to split the screen, then  () to establish a remote connection. The display shows a *local* (HP 100LX) directory and a *remote* (PC) directory—one directory from each computer.
5. Transfer the files as described in “Working at the PC” earlier in this chapter.
6. When the transfer is complete, press  () to break the remote connection.
7. Press   to close the Filer.
8. **On the PC**, press   twice to exit the Connectivity Pack.

For detailed information about using the Filer, see the *HP 100LX User's Guide*.

Backing Up Files

It's *always* a good idea to back up your data; the Connectivity Pack's file-transfer capabilities let you quickly and easily back up HP 100LX files to your PC. You can even automate backing up with the HP 100LX's powerful macro feature.

Time Out



If you try to restore a “built-in” HP 100LX file—one in drive D that you didn’t create—you’ll get an error because the file can’t be written over (it’s stored in ROM).

Backing up HP 100LX files onto the PC using Filer

1. Start both the PC and HP 100LX Filers.
2. On the PC, press **Split** (**F7**) and **Remote** (**F6**) to connect the Filers.
3. Select the remote (HP 100LX) directory you want to back up. To back up the HP 100LX’s entire C drive, press **ESC** until C:*.* is displayed.
4. Press **ALT** **F** **B** to select the File Backup ... command.
5. Select the appropriate parameters, and press **OK** (**F10**) to back up the files. See “To transfer with the Filer on the PC” earlier in this chapter and the *HP 100LX User’s Guide* for details on backing up files.

Backing up files using HP 100LX macros

Once you’ve used the Filer’s Backup command to back up files from your HP 100LX, you can create a macro on your HP 100LX to back up only the files modified since the previous backup. For example, the following macro backs up the entire C drive into the backup directory C:\BACK100C:

[F6] **[MENU]** **Q** **[F6]** **[MENU]** **V** **S** **[▶]** **F6** **[◀]** **[MENU]** **F**
B C:\BACK100C **ALT** **M** **ALT** **O** **ENTER** **[MENU]** **Q**

This macro opens the Filer twice to make sure it’s in a known state, and selects the “Modified files only” and “Overwrite existing files” backup options. The Connectivity Pack Filer must be active on your PC for this macro to work.

Similarly, the following macro backs up your A drive to the PC backup directory named C:\BACK100A:

[F6] **[MENU]** **Q** **[F6]** **[MENU]** **V** **S** **[▶]** **F** **[◀]** **F5** A:\
ENTER **[MENU]** **F** **B** C:\BACK100A **ALT** **M** **ALT** **O**
ENTER **[MENU]** **Q**

For complete information on defining and using macros, see the System Macros chapter in the *HP 100LX User’s Guide*.

Backing up files using Redirector

You can also use the Redirector CLIENT command (see chapter 5, “Using the Redirector”) and the MS-DOS XCOPY command (or the multiple-file capabilities of your file-management application) to copy files to your PC backup drive or directory.

Installing PC Software on Your HP 100LX

Note



Many software manufacturers have licensing restrictions that prohibit you from copying programs to multiple computers. Check your software license before installing the software on your HP 100LX.




There are four basic methods of installing software onto the HP 100LX's PCMCIA memory cards:

- If your PC has a thincard drive that can write to PCMCIA cards, install the software directly on the card and insert it into the HP 100LX. You can then run the software from the PCMCIA card.
- If the software needs only to be copied to be installed (see the software user's guide), use the Filer to copy the program's files from your PC to the HP 100LX PCMCIA card. (Using the Filer to copy files is described earlier in this chapter.)
- If the software uses an installation program, you can frequently run it using the Redirector (this works with about half of the installations). To do this, activate the Redirector server on your PC (see chapter 5, “Using the Redirector”), select the redirected PC drive, and start the installation program on the HP 100LX. See “To install PC software directly onto your HP 100LX,” below.
- If the software's installation program doesn't work with Redirector, install the software on your PC, then copy the files to the HP 100LX. This technique often requires that you manually set the software's features to work with the HP 100LX—see “To install and copy software to your HP 100LX,” below.

2-8 Transferring Files

To install PC software directly onto your HP 100LX:

In this procedure, you'll use the flexible drive on the PC as a remote disk drive, and install the program as if the remote drive were a local drive.

1. **On your PC**, configure and start the Redirector server (see chapter 5, "Using the Redirector").
2. **On the HP 100LX**, close all applications and open the Filer.
3. Press    to use DOS.
4. Install the program on drive A. (If it refuses to install on A, install on drive E—drive E is assigned to drive A on the HP 100LX.)
Some programs take a long time to install; however, if the installation fails, it usually fails early on.

Note



Redirected drives are considered to be remote network drives. Some installation programs only work with local, non-network drives. If the installation program you're using doesn't work, install the software on your PC and copy it to your HP 100LX, as described in the next procedure.

See the *HP 100LX User's Guide* for more information (see "How To Install, Run, and Control a DOS Application").

To install and copy software to your HP 100LX:

Use this procedure when you can't install programs directly onto HP 100LX drives.

1. Install the program on your PC. If possible, set the following parameters to make program work on the HP 100LX:
 - For the monitor type, choose CGA, MDA, Black and White, LCD, or plasma display. *Don't select EGA or VGA.* If there is a "snow" setting, select "no snow."
 - If the installation program asks whether to modify the CONFIG.SYS and AUTOEXEC.BAT files, select "no."
2. Use the Connectivity Pack Filer to move *all* the program's files to your HP 100LX, using identical directory names and structure.
See "To transfer multiple files" earlier in this chapter and the *HP 100LX User's Guide* for details on copying files and directories.

Connecting the PC and HP 100LX Filers with Modems

The Connectivity Pack lets your PC and HP 100LX communicate over great distances (but at a slow data rate) using two modems and a telephone line.

To connect your HP 100LX and PC using modems:

1. Connect the PC and its modem according to the PC or modem instructions. If the PC has more than one serial port, it's simplest to use COM1—though you can use COM2, COM3, or COM4 if you need to.
2. Connect the HP 100LX and its modem using the Connectivity Pack serial cable—see the modem entry in the Serial Connections table in chapter 1.

To set up the Filer for a modem connection:

- **On the HP 100LX**, check the setup for the Filer:
 - The Interface setting must be COM1 (use COM2 for a modem card).
 - The Baud setting must be a value supported by your two modems, and must be the same for the PC, the HP 100LX, and the modems. (Using 2400 baud works well with many modems.)
 - The Phone Number setting must be the phone number you'll call to connect to the PC. (Numbers, spaces, hyphens, commas, and parentheses are the only valid characters.)
 - The Dial setting must be that of the phone line you're using (it's usually Tone).
- **On the PC**, check the setup for the Filer:
 - The Interface setting must be the PC serial port where the modem is connected.
 - The Baud setting must be the same as that of the HP 100LX.

(See "Step 3: Configuring for Communications" in Chapter 1 for details about checking setups.)

To be ready for a modem connection, the PC must already be running the Connectivity Pack Filer, and the PC modem must be in autoanswer mode. You can then make a connection from the HP 100LX end by pressing **Remote** (**F6**). When you disconnect from a modem connection, press **Discon** (**F10**).

2-10 Transferring Files

Using Connectivity Pack Applications on the PC

The Connectivity Pack provides PC versions of the following applications. Except as noted below, the PC versions have the same functions as the HP 100LX versions (described in the *HP 100LX User's Guide*).

- **Application Manager.** You can select, organize, and run applications (this is the Connectivity Pack's "main screen").
- **Appointment Book.** You can schedule appointments and create to-do lists using files with HP 100LX format. The application doesn't react when an alarm or timer comes due, although the alarm information is retained.
- **Calculator.** You can make financial calculations, though Calculator doesn't link to Lotus 1-2-3.
- **Database.** You can define and modify database file templates and create and edit HP 100LX database files.
- **Filer.** You can manipulate directories and files and transfer them to and from the PC. However, the application doesn't allow you to switch to DOS, undelete files, or format disks (use Windows or DOS utilities to perform these functions).
- **Memo Editor.** You can create and edit memos and other ASCII text files.
- **Note Taker.** You can create and edit notes using files with HP 100LX format.
- **Phone Book.** You can store and retrieve names, phone numbers, and other information using files with HP 100LX format.
- **Setup.** You can set the operation of the Connectivity Pack. The application is modified to control PC settings—see "Using Setup on the PC" later in this chapter.

The Connectivity Pack also provides two applications not available on your HP 100LX:


- **Server.** This enables the Redirector software on your HP 100LX to read PC drives. See chapter 5, “Using the Redirector” for more information.
- **Xlate/Merge.** This application lets you coordinate changes made to your Appointment Book files and Phone Book files on both your PC and HP 100LX. You can use Xlate/Merge to do the following:
 - **Merge** separate Appointment Book files or Phone Book files into a third file.
 - **Synchronize** two Appointment Book files or Phone Book files to make them identical.
 - **Translate** Appointment Book files or Phone Book files between formats used by different PC programs.

Xlate/Merge is described in detail in chapter 4.

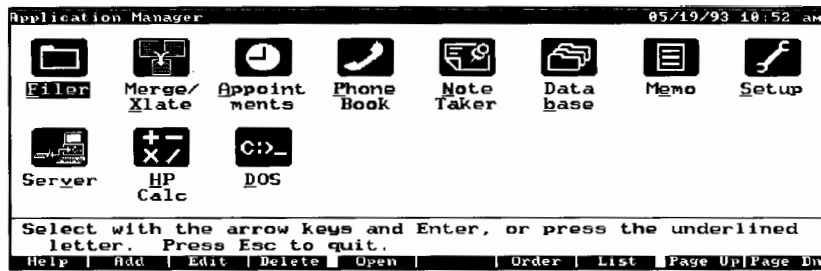
Running Connectivity Pack Applications on the PC

To start the Connectivity Pack Applications program:

1. **On the PC,** start the APP100 program. At the MS-DOS prompt type

APP100 

When the Connectivity Pack starts, you'll see the main Connectivity Pack screen containing the application icons, as shown below. (This screen is just like the HP 100LX screen, except some of the applications are different).



Main Connectivity Pack Screen

2. To open an application, press the underlined letter in its name.
3. Use the application just as you would on the HP 100LX. For more information, press **(F1)** for help, or see the *HP 100LX User's Guide*. To get an application menu, press either **(ALT)** key.

If you're running Microsoft Windows, see "Working in Windows" at the end of this chapter.

To switch between applications:

- Press **(ALT) (Q)** to quit the current application, then select the application you want from the main Connectivity Pack screen. (Unlike the HP 100LX, you have to quit one application before starting another.)

To exit the Connectivity Pack:

- Press **(ALT) (Q)** to quit the current application, then press **(ALT) (Q)** again to quit the Connectivity Pack.

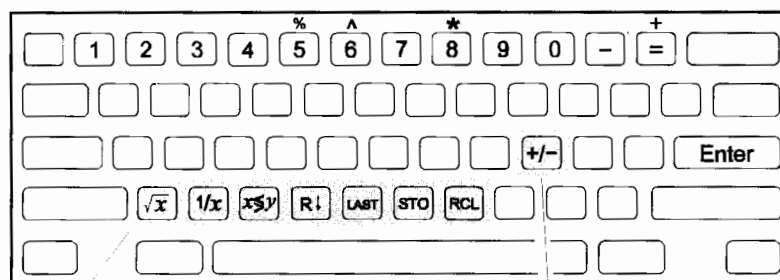
Matching Keys on the PC and the HP 100LX

Most HP 100LX keys are present on the PC keyboard—though the following key labels and locations differ:

- **Delete** on most PCs is equivalent to **DEL** on the HP 100LX.
- **ALT** on the PC is equivalent to **MENU** on the HP 100LX.
- **CTRL**+**spacebar** on the PC is equivalent to **Fn****ZOOM** on the HP 100LX.

Using Special Calculator Keys

The HP 100LX redefines its next-to-bottom row of keys when in the Calculator application, as shown below. The same keys are redefined when you start the Connectivity Pack Calculator.



On the [Z] [X] [C] [V] [B] [N] [M] keys

On the [L] key

PC Calculator Keyboard

Using Setup on the PC

The Connectivity Pack Setup contains a few different commands from the HP 100LX Setup. The settings for the similar commands are explained in chapter 3 of the *HP 100LX User's Guide*.

Note



The Connectivity Pack settings and HP 100LX settings are independent of each other.

The Connectivity Pack Setup includes these menu commands:

- **Display.** Adjusts the screen colors used by the Connectivity Pack.
- **Printer.** Selects the printer type and the method of communicating with it.
- **Communications Port.** Sets the communications port address and interrupts—use only if you connected the serial cable to the COM3 or COM4 port of your PC.
- **Date/Time.** Selects the date and time format. *You must set your PC's current date and time using a DOS or Windows utility.*
- **International.** Controls international punctuation.
- **Server and Client Settings.** Sets the Redirector client and server baud rate, interface, and flow configurations—see chapter 5, “Using the Redirector.”

To change other settings on your PC, use its standard utilities—see your DOS or Windows user's manuals for more information.





Working in Windows

The Connectivity Pack program directory includes two files you can use if you run the Connectivity Pack Applications program with Microsoft Windows: APP100.PIF and APP100.ICO. (See your Windows documentation for detailed information about setting up a new application program.)

To set up these files, use the Windows Program Manager to add APP100 as a new addition to a group of programs—use the path of the APP100.PIF file as the “command line” (C:\CPACK100\APP100, for example), and specify APP100.ICO as the icon name (C:\CPACK100\APP100.ICO, for example).

If you didn’t install the Connectivity Pack software in the C:\CPACK100 directory, use the Windows PIF Editor to edit the APP100.PIF file—change the directory for APP100 to the directory that does contain the Connectivity Pack software.

If Windows is running in 386 Enhanced mode, you can switch between full-screen and window operation for the Connectivity Pack—just press **ALT** . The only way to close the Connectivity Pack window is to press **ALT** .

Managing Appt and Phone Files Using Translate/Merge

The Connectivity Pack's Translate/Merge (Xlate/Merge) utility can perform three types of “tasks” to help keep your Appointment Book and Phone Book files consistent:

- **Merge.** You can combine records from two files of the same type into one HP 100LX file, eliminating redundancies and resolving conflicting entries according to your instructions.
- **Synchronize.** You can update two HP 100LX files so that they are identical—ensuring that files on both your PC and HP 100LX are consistent.
- **Translate.** You can change the data format of a file so that you can use the file with the HP 100LX or with various PC programs.

The settings for the tasks are defined in a similar manner—Xlate/Merge can also save the tasks you use so that you can quickly and easily repeat them.

Overview—To use a Xlate/Merge task:

1. **Transfer** the files you want using the Filer (see chapter 2, “Transferring Files”), or make them accessible with the Redirector (see chapter 5, “Using the Redirector”). The files *must not be in use when you transfer them*—close any applications using them.
2. **Start** Xlate/Merge (within the Connectivity Pack).
3. **Add** a Merge, Synchronize, or Translate task (if one doesn't already exist), and specify settings for the task.
4. **Run** the task.
5. Optionally, **Save** the task for future use.

Each of these steps is described in detail later in this chapter.

To get Help information while using Xlate/Merge:

1. Press **Help** (**F1**) any time after you start Xlate/Merge.
2. Press **ESC** to close the help screen.

Merging Two Files

You can use Xlate/Merge to combine two Appointment Book files or two Phone Book files into a single file.

To merge two files:

1. **On the PC**, start the Connectivity Pack. At the MS-DOS prompt type
APP100 **←**
2. Press **X** to start Xlate/Merge.
3. Press **Add** (**F2**) to add a Xlate/Merge task.
4. Use the arrow keys to select Merge, then press **Tab** **▶**.
5. Use the arrow keys to select the type of files to merge (Appt Book or Phone Book), then press **Tab** **▶**.
6. Type a name for this task in the Description box (for example, "Weekly merge"). Xlate/Merge displays this description on its main screen for reference.

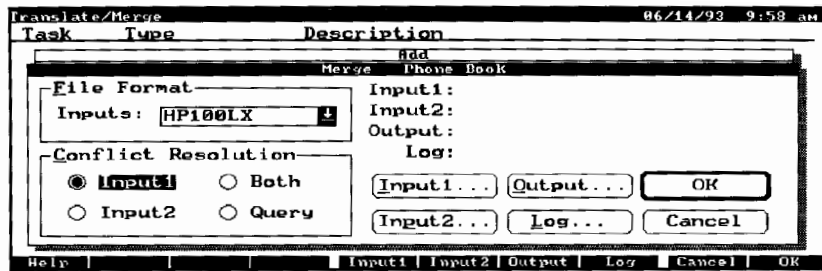
Time Out



Don't press **←** or **OK** (**F10**) yet! If you do, Xlate/Merge indicates that you must specify settings—press **←** to clear the error and continue editing the task.

-
7. Press **Setting** (**F8**) to specify settings for this Merge task.
The following screen appears:

4-2 Managing Appt and Phone Files Using Translate/Merge






Screen for Specifying Merge Settings


8. Specify the following settings: *If you have difficulty selecting a setting, see “field, move to a” in the HP 100LX User’s Guide index.*

- **File Format.** Select the format of both input files. The two input files must have the same format; if they don’t, translate one of the files before merging (see “Translating File Formats” later in this chapter). The output file is in the HP 100LX format—if you want a different output format, you will need to translate the output file. (See “Comparing File Formats” later in this chapter for information on file formats.)
- **Conflict Resolution.** Select how Xlate/Merge handles conflicting records:
 - ☐ **Input1.** Includes the record from the first input file only.
 - ☐ **Input2.** Includes the record from the second input file only.
 - ☐ **Both.** Includes the records from both input files.
 - ☐ **Query.** Asks you to resolve each conflict as it occurs.











For information on how Xlate/Merge determines that records conflict, see “Resolving Conflicts,” after this procedure.

- **Input1.** Press **Input1** (**F5**) to specify the directory path and name of the first input file. *If you have difficulty specifying a file, refer to “file names, specifying” in the HP 100LX User’s Guide index.*
- **Input2.** Press **Input2** (**F6**) to specify the path and name of the second input file.
- **Output.** Press **Output** (**F7**) to specify the path and name of the merged output file. If you choose one of the input file names for the output file, Xlate/Merge replaces that input file with the merged file.

- **Log.** Optionally, specify a path and name for a file that keeps information about the Merge task. If you do not specify a log file, a default .LOG file will be created in the APP100 program directory. See “Recovering Data After Using Xlate/Merge” later in this chapter.
9. Press  ((F10)) to save the settings.
 10. Press  ((F10)) again to close the task and return to Xlate/Merge’s main screen. The description you typed earlier in this procedure is highlighted on this screen.
 11. Press  ((F6)) to start the highlighted merge task. If Xlate/Merge detects a record conflict during the merge, it uses the resolution technique you selected. If you selected “Query,” Xlate/Merge displays the significant fields of the conflicting records. Refer to “Resolving Conflicts,” below, for more information.

Time Out To interrupt and cancel a task, press .



12. Optional: To save your Xlate/Merge tasks for future use, press    and type a path and name for the file. (If you are saving changes to an existing task file, press   .) You can save up to ten tasks in each task file (if any tasks are tagged, the tags will also be saved in the file). For more information, see “Running and Saving Xlate/Merge Tasks” later in this chapter.
13. Press   to leave Xlate/Merge.
14. Press   again to exit the Connectivity Pack.

Resolving Conflicts

Xlate/Merge detects a conflict when either of the following occurs:

- Two Appointment Book files contain different appointments scheduled for the same time or overlapping times. (ToDo items and events, however, never conflict.)
- Two Phone Book files have different information listed under identical names (the names must have the same capitalization).

4-4 Managing Appt and Phone Files Using Translate/Merge

Xlate/Merge does *not* detect conflicts *within a particular file* (if one file has overlapping appointments within itself, for example). Also, when Xlate/Merge detects identical records (those in which all fields are exactly the same), it puts only one of the records in the output file.

Note



Comma Delimited (CD) format does not support conflict resolution.

Xlate/Merge displays conflicting records in the following screen:

Query Screen

The numbers in the upper-right corner indicate the current record and the total number of conflicting records.

To resolve a conflict:






1. Use the arrow keys to scroll through the significant fields of the current record. If the current record conflicts with more than one other record, you can use **(PgUp)** and **(PgDn)** to scroll through the conflicting records.
2. Press **(Tab >)** to choose one of the following actions:
 - **Add.** Puts the conflicting record (from input file 2) in the output file.
 - **Ignore.** Discards the conflicting record.
 - **Replace.** Replaces the record from input file 1 with the conflicting record from input file 2.
 - **Cancel.** Stops the current Merge task.

Synchronizing Two Files

Xlate/Merge can synchronize the appointments or phone records in two HP 100LX Appointment Book files or Phone Book files. Synchronize is similar to Merge except for the following:




- You don't specify output files because both input files are updated (you can choose to automatically create backups to preserve the original files—the backup file's extension is PD\$ or AD\$).
- The "Query" option isn't available for Conflict resolution (use Merge if you need the "Query" option).


To synchronize two files:

1. On the PC, start the Connectivity Pack. At the MS-DOS prompt type
APPT00 
2. Press  to start Xlate/Merge.
3. Press  (F2) to add a Xlate/Merge task.
4. Use the arrow keys to select Synchronize, then press .
5. Use the arrow keys to select the type of files to synchronize (Appt Book or Phone Book), then press .
6. Type a name for this task in the Description box (for example, "Sync Appt Book"). Xlate/Merge displays this description on its main screen for reference.

Time Out



Don't press  or  (F10) yet! If you do, Xlate/Merge indicates that you must specify settings—press  to clear the error and continue editing the task.

7. Press  (F8) to specify Synchronize settings.
8. Specify the following Synchronize settings (some of the settings are similar to those for the Merge task—refer to the Merge procedure earlier in this chapter for details):
 - **Conflict Resolution.** Select how Xlate/Merge handles conflicting records. For information on how Xlate/Merge determines that records conflict, see "Resolving Conflicts," earlier in this chapter.

- **Create Backup.** Check (by pressing **[spacebar]**) to create backups of the input files—*this is a good idea because synchronizing modifies both input files.*
 - **Input1.** Press **Input 1** (**[F5]**) to specify the directory path and name of the first input file. *If you have difficulty specifying a file, refer to “file names, specifying” in the HP 100LX User’s Guide index.*
 - **Input2.** Press **Input 2** (**[F6]**) to specify the path and name of the second input file.
 - **Log.** Optionally, specify a path and name for a file that keeps information about the Synchronize task. If you do not specify a log file, a default .LOG file will be created in the APP100 program directory. See “Recovering Data After Using Xlate/Merge” later in this chapter.
9. Press **OK** (**[F10]**) to save the settings.
 10. Press **OK** (**[F10]**) again to close the task and return to Xlate/Merge’s main screen. The description you typed earlier in this procedure is highlighted on this screen.
 11. Press **Run** (**[F6]**) to start the highlighted Synchronize task. If Xlate/Merge detects a record conflict during the synchronization, it uses the resolution technique you selected. See “Resolving Conflicts” earlier in this chapter for more information.

Time Out To interrupt and cancel a task, press **[ESC]**.



-
12. Optional: To save your Xlate/Merge tasks for future use, press **[ALT]** **[F]** **[A]** and type a path and name for the file. (If you are saving changes to an existing task file, press **[ALT]** **[F]** **[S]**.) You can save up to ten tasks in each task file (if any tasks are tagged, the tags will also be saved in the file). For more information, see “Running and Saving Xlate/Merge Tasks” later in this chapter.
 13. Press **[ALT]** **[Q]** to leave Xlate/Merge.
 14. Press **[ALT]** **[Q]** again to exit the Connectivity Pack.






Translating File Formats

You can use Xlate/Merge to convert an Appointment Book file or a Phone Book file to and from any of the following formats:

- HP 95LX format.
- HP 100LX format.
- Comma Delimited (CD) format—a basic format that most software accepts.




Additional add-in translators for other file formats are available from third party sources. For more information about file formats, see “Comparing File Formats” later in this chapter.


To translate a file to another format:

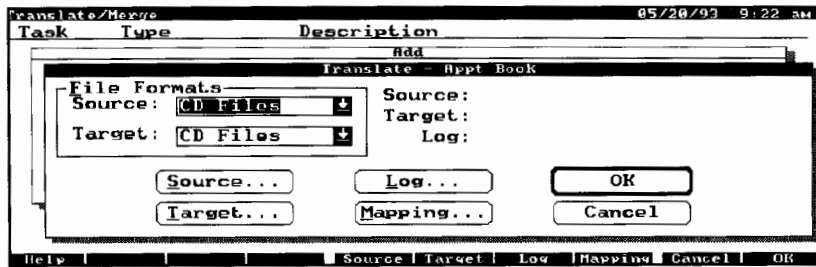
1. **On the PC**, start the Connectivity Pack. At the MS-DOS prompt type
APPT100 
2. Press  to start Xlate/Merge.
3. Press  (F2) to add a Xlate/Merge task.
4. Use the arrow keys to select Translate, then press .
5. Use the arrow keys to select the type of files to translate (Appt Book or Phone Book), then press .
6. Type a name for this task in the Description box (for example, “Xlate old apptbk”). Xlate/Merge displays this description on its main screen for reference.

Time Out



Don't press  or  (F10) yet! If you do, Xlate/Merge indicates that you must specify the settings—press  to clear the error and continue editing the task.

7. Press  (F8) to specify translate settings.



Screen for Specifying Translate Settings

8. Specify the following translate settings: Some of the settings are similar to those for the Merge task—refer to the Merge procedure earlier in this chapter for detailed information.
 - **File Format: Source.** Select the format of the source file. For information about formats, see “Comparing File Formats” later in this chapter.
 - **File Format: Target.** Select the format of the target file.
 - **Source ...** Press **Source** (**F5**) to specify the directory path and name of the source file. *If you have difficulty specifying a file, refer to “file names, specifying” in the HP 100LX User’s Guide index.*
 - **Target ...** Press **Target** (**F6**) to specify the path and name of the target file.
 - **Log ...** Optionally, press **Log** (**F7**) to specify the path and name of a file that keeps information about the translate task. If you do not specify a log file, a default .LOG file will be created in the APP100 program directory. See “Recovering Data after using Xlate/Merge” later in this chapter.
 - **Mapping ...** Optionally, press **Mapping** (**F8**) to specify where Xlate/Merge puts the translated information in the target file: *If you don’t use this option, Xlate/Merge uses the default mapping for the selected file formats.*
 - To see how fields are currently mapped, use **▲** and **▼**—Xlate/Merge displays the target field for each source field you highlight.
 - To remap a field, highlight the source field, press **Remap** (**F7**), highlight a target field in the list, and press **OK** (**F10**).

- To unmap a field (unassign it), highlight the source field, press **Remap** (**F7**), highlight **<unmap>** in the field list, and press **OK** (**F10**).
 - To erase your changes and use the default mapping, press **Default** (**F8**).
 - To use your mapping changes, press **OK** (**F10**).
9. Press **OK** (**F10**) to save the settings.
 10. Press **OK** (**F10**) again to close the task and return to Xlate/Merge's main screen. The description you typed earlier in this procedure is highlighted on this screen.
 11. Press **Run** (**F6**) to start the highlighted translate task.

Note To interrupt and cancel a task, press **ESC**.



12. Optional: To save your Xlate/Merge tasks for future use, press **ALT** **F** **A** and type a path and name for the file. (If you are saving changes to an existing task file, press **ALT** **F** **S**.) You can save up to ten tasks in each task file (if any tasks are tagged, the tags will also be saved in the file). For more information, see "Running and Saving Xlate/Merge Tasks" later in this chapter.
13. Press **ALT** **Q** to leave Xlate/Merge.
14. Press **ALT** **Q** again to exit the Connectivity Pack.

Comparing File Formats

Different appointment book and phone book applications have different features and create and use files that have different data formats. To help you use such files, the Xlate/Merge utility converts Appointment Book and Phone Book files between HP 100LX, HP 95LX, and Comma Delimited (CD) file formats. With optional add-in translators available from third-party sources, the Xlate/Merge utility can work with many other formats.

4-10 Managing Appt and Phone Files Using Translate/Merge

Xlate/Merge recognizes the following default file extensions. File names automatically get the proper three-character file extension:

- .ABK is an HP 95LX Appointment Book file.
- .ADB is an HP 100LX Appointment Book file (.AD\$ is its backup file for Synchronize).
- .CDF is a Comma Delimited (CD) Phone Book file. (When an Appointment Book file is translated to a CD file, it's actually split into a .CDS file and a .CDT file—see below.)
- .CDS is a CD file that contains appointments only.
- .CDT is a CD file that contains Appointment Book ToDos only.
- .LOG is a Log file.
- .PBK is an HP 95LX Phone Book file.
- .PDB is an HP 100LX Phone Book file (.PD\$ is its backup file for Synchronize).
- .TMG is a Task file.

The Comma Delimited (CD) format is used by many programs. In it, each record ends with a carriage return and line feed. Fields are separated by commas, and their values are enclosed in quotation marks. If a field isn't mapped or is "empty" (has no value), then no value is created in the target file. In CDF files, a field's position is indicated by the commas: the order of the fields is significant and Xlate/Merge suppresses empty fields at the end of each record. Dates use the YYYYMMDD (year/month/day) format, and times use the HHMM (24-hour/minute) format.

The following tables list the Appointment Book and Phone Book fields that Xlate/Merge supports. If you translate a file and find that it's missing data, compare the fields of the source and target files to help explain the discrepancy.

Supported Appointment Book Record Formats

Format	Appointment Types	Maximum Length	Notes?	Other
HP 100LX	Custom	51 character	Yes	Maximum note length is 32 KB, but when translated the note will be truncated to the first 512 bytes.
	Single (one time)	description,		
	Daily	19 character		
	Weekly repeat	appt. location		
	Monthly-by-date repeat	(total size limited by		
	Monthly-by-position repeat	available disk space, with		
	Yearly-by-date repeat	an upper		
	Yearly-by-position repeat	limit of 5000 records).		
	To-do item (in all above repeat options)			
HP 95LX	Single (one time)	27 characters	Yes	Maximum note length is 11 lines, 39 characters per line.
	Weekly repeat	(approx. 44		
	Monthly-by-date repeat	KB for entire Appointment Book).		
	Monthly-by-position repeat			
	Yearly-by-date repeat			
Comma Delimited	Single (.CDS)	Maximum file	Yes	
	ToDo item (.CDT)	size limited by available disk space.		

4-12 Managing Appt and Phone Files Using Translate/Merge

Supported Phone Book Fields







Format	Data Fields	Max. Length	Other
HP 100LX	Name	86 characters	Maximum note length is 32 KB, but when translated the note will be truncated to the first 512 bytes.
	Business Phone	29 characters	
	Home Phone	29 characters	
	Alternate Phone	29 characters	
	Fax Phone	29 characters	
	Title	38 characters	
	Category	127 characters	
	Company	82 characters	
	Address Line 1	82 characters	
	Address Line 2	82 characters	
	City	34 characters	
	State	39 characters	
	Zip Code	16 characters	
	Notes	Up to 32 KB of text (Total size limited by available disk space.)	
HP 95LX	Name	30 characters	Xlate/Merge puts—and expects—the information in the HP 95LX's three fields, as shown in the parentheses. The Fax and Home numbers are optional.
	Business Phone	8 lines, 39 chars/line	
	Address		
	([+f-Fax phone]		
	[+h-Home phone]		
	Title		
	Company	(Approx. 44 KB for	
	Street Address	entire Phone Book.)	
	City		
	State		
Comma Delimited	Field 1	Maximum file size	CD fields correspond directly to 100LX fields. Additional fields aren't mapped, but can be.
	to	limited by available	
	Field 25	disk space.	

Supported Appointment Book Fields

Format	Data Fields	Max. Length	Other
HP 100LX	Start Date		Maximum note length is 32 KB, but when translated the note will be truncated to the first 512 bytes.
	Start Time		
	End Time		
	Alarm		
	Lead Time	5 digits	
	Description	51 characters	
	Note	32 KB of text	
	Location	19 characters	
	End Date		
	Week View		
	Month View		
HP 95LX	Date		
	Start Time		
	End Time		
	Alarm		
	Lead Time		
	Appointment	27 characters	
	Note	440 characters	
Comma Delimited	Field 1 to Field 25	Maximum file size limited by available disk space.	CD fields correspond directly to 100LX fields. Additional fields aren't mapped, but can be.

Running and Saving Xlate/Merge Tasks

You can keep up to ten task descriptions in Xlate/Merge—its main screen displays the type and description of each currently defined task. You can also “tag” several specific tasks to run at once, and save and open files containing Xlate/Merge tasks.

- To run a single task, highlight it using  or , and press  (F6). (To edit a task, highlight it and press )
- To run several tasks, tag them (highlight each one and press —a ♦ indicates that it's tagged) and press  (F6).

Xlate/Merge saves the tags when you save a set of tasks.

4-14 Managing Appt and Phone Files Using Translate/Merge

- To prepare several tasks for frequent use, tag them, and save the file by pressing **(ALT) (F) (A)** and typing a name. (If you are saving changes to an existing file, type **(ALT) (F) (S)**.)
- To run them, load the file (press **(ALT) (F) (O)**, highlight the file name, and press **OK (F10)**), and press **Run (F6)**—this runs only the tagged tasks.

Note

All tagged tasks will be run. You can also deselect (untag) tasks you don't want to run.

Recovering Data After Using Xlate/Merge

Occasionally, Xlate/Merge might appear to lose or improperly transfer data when you run a task. For example, if you translate a file to a format with fewer fields or shorter field lengths, some of the original data might be truncated, reorganized, or simply not translated. To help in this situation, Xlate/Merge will create a log file during each task—if you want to review what the task did, you can examine the log file.

You can also have Xlate/Merge create backup files during a Synchronize task, or you can create your own backup files for a Merge or Translate task. This lets you recover your original data should you ever need to. See “Backup Files,” below.

Examining the Log File

Xlate/Merge creates a log file during a task if you specify a log file name in the task's settings box. To find out how Xlate/Merge handled your data, you can open the log file in the MS-DOS Memo Editor or another text editor.

The log file stores the following information during each task:

- Type of task (Merge, Synchronize, or Translate).
- Time and date.
- Source and target file formats, listed as “Source Application” or “Target Application.”
- Source and target file names. (Merge and Synchronize tasks use “Input1”, “Input2”, and “Output.”)
- The options you selected.
- How each record was handled—this is the most useful information for troubleshooting:
 - Source or Input records are marked as READ or SKIP.
 - Target or Output records are marked as ADD, IGNORE, or REPLACE.
- Total number of source records processed during this part of the task.
- Total number of records in the output file.

Backup Files

It’s always a good idea to back up your original input files, in case you need to refer to them again.

The Synchronize task can create a backup file automatically if you check the “Create Backup” button in its settings box. It’s a good idea to specify that you want backup files, because Synchronize writes over your input files.

Xlate/Merge creates temporary output files while working—if you press **(ESC)** to cancel a task, these files are left incomplete.

Note

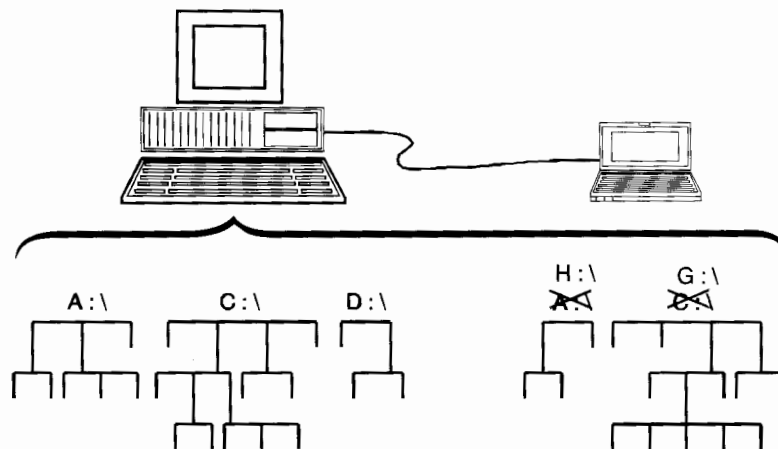


Each time you run a task, Xlate/Merge replaces the target (or output) and log files. Be sure to back up any files you want to keep before running a task.

Using the Redirector

Redirector is a program for advanced users that lets you directly access HP 100LX drives from your PC, and PC drives from your HP 100LX. You can then use these drives just as if they were additional drives on the PC or HP 100LX.

You can use your favorite PC applications—including Microsoft Windows applications—to work with files stored on the HP 100LX, and you can install PC software directly to your HP 100LX. (See “Installing PC Software on Your HP 100LX” in Chapter 2 for more information about the latter.)



Accessing HP 100LX Files with Redirector (from your PC)

Setting Up for Redirector

Before you can run Redirector, you need to configure your PC and HP 100LX. This involves these three steps:

1. Update the LASTDRIVE statement in your PC's CONFIG.SYS file.
2. Verify that the client and server settings on your PC are correct.
3. Verify that the client and server settings on your HP 100LX are correct.

These steps are described below. They assume that you've followed the entire installation procedure in chapter 1, and successfully transferred files between the PC and HP 100LX Filers. (This ensures that the installation and cable connection are correct.)


Step 1—To update the LASTDRIVE statement:

The LASTDRIVE statement in your PC's CONFIG.SYS file limits the number of drives accessible on the PC—including the HP 100LX drives. You need to determine the current number of drives (flexible, hard, and network) your PC uses, add a few drives for Redirector, then change the LASTDRIVE statement to allow that many drives.

Network users only: If your PC is connected to a network, changing LASTDRIVE may cause network drives to be assigned new drive letters. Novell networks assign network drives starting at the letter *after* the LASTDRIVE letter—check with your network administrator to find out what other changes may be required, because the first network drive (the LOGIN drive) will be assigned a new drive letter. Microsoft LAN Manager networks assign network drives *within* the range specified by the LASTDRIVE letter, so network drive letters will not change.

Update the LASTDRIVE statement as follows:

1. If your PC is connected to a network with remote network drives, note the number of network drives.
2. **On the PC**, determine the *current* LASTDRIVE letter specified in the CONFIG.SYS file. At the MS-DOS prompt type

```
type \config.sys 
```

- If CONFIG.SYS contains a LASTDRIVE command, note the assigned letter.
- If there is no LASTDRIVE command, the default is E.

5-2 Using the Redirector

3. Calculate the *new* LASTDRIVE letter:
 - If the current LASTDRIVE letter is *much* larger than the actual number of drives on your PC (and network), you don't need to change the letter (if, for example, you need 6 drives and your CONFIG.SYS has LASTDRIVE=X).
 - If your PC is *not* connected to a network, add 4 drives to the current last drive on your PC. (For example, if your PC has only drives A and C, you can use G as the new letter.)
 - If your PC *is* connected to a network:
 - For a Novell or Microsoft LAN Manager network, add 4 drives to the current letter. (See "Working on a Network" at the end of this chapter.)
 - For any other network, check with your network administrator before determining or changing the LASTDRIVE letter.
4. Make a backup copy of your current CONFIG.SYS file. At the MS-DOS prompt type

```
copy \config.sys \config.old
```
5. Open your PC's CONFIG.SYS file with a text editor.
6. Modify or add the command LASTDRIVE= with the LASTDRIVE letter you calculated. For example, if you need 7 drives, you would use LASTDRIVE=G.
7. Save the CONFIG.SYS file *in ASCII format*.

Time Out



An incorrectly saved or modified CONFIG.SYS file might prevent your PC from starting up. You can type

```
type \config.sys
```

at the MS-DOS prompt to make sure the modified file looks the same as before—only the LASTDRIVE line should be different. Use your text editor to correct any problems before continuing.

To check your original CONFIG.SYS, at the MS-DOS prompt type

```
type \config.old
```

If you want to restore your original CONFIG.SYS and start over, at the MS-DOS prompt type


```
copy \config.old \config.sys
```

8. Press **CTRL**+**ALT**+**DEL** to restart the PC (or else turn it off and on). Your PC now uses the new LASTDRIVE letter.

Step 2—To verify the Connectivity Pack settings:

You need to tell the PC end of Redirector which communications port and baud rate to use. To avoid COM port conflicts, you *must* use the same port and baud rate for both the Filer and the Redirector. See chapter 2, “Transferring Files” for information on setting Filer baud rates. Be sure to write down the baud rate and port number that you use for the Filers.

1. **On the PC**, start the Connectivity Pack. At the MS-DOS prompt type


APP100 

2. Press **S** to start Setup.
3. Press **ALT** **R** **S** to see the server settings.

Note



The Connectivity Pack applications define the “client” as the computer giving commands, and the “server” as the computer performing these commands. Because the HP 100LX can be a server and the PC a client, and vice-versa, you’ll verify client and server settings on both your PC and HP 100LX.

4. Configure the server settings, as follows:
 - The Baud Rate must be the rate used by the Filer.
 - The Interface must be the COM port used by the Filer.
 - The Flow must be set to None.
5. Press **OK** (**F10**) to use the settings you changed.
6. Press **ALT** **R** **C** to see the client settings.
7. Configure the client settings, as follows:
 - The Baud Rate must be the rate used by the Filer.
 - The Interface must be the port used by the Filer.
 - The Flow must be set to None.
8. Press **Advance** (**F6**) to select the drive mappings, as follows:
 - Use  to move. The PC (“Local”) drive letters are in the column on the left, and the HP 100LX (“Remote”) drive letters are in the column on the right. If you want to map drive A of

5-4 Using the Redirector

your HP 100LX to drive H on your PC, for example, put H in a left field and A in the field to the right of it.

- Choose drive letters that don't conflict with your PC's other drives, and that don't exceed the LASTDRIVE letter you defined in Step 1. You usually want to map only the HP 100LX's drive A (its PCMCIA slot) and drive C (its RAM disk).

9. Press **OK** (**F10**) to save the drive mappings.
10. Press **OK** (**F10**) again to use the settings you changed.
11. Press **ALT** **Q** to exit Connectivity Pack Setup.

Step 3—To verify the HP 100LX settings:



You also need to tell the HP 100LX end of Redirector which communications port and baud rate to use. As with the PC end, you *must* use the same port and baud rate for both the HP 100LX Filer and the HP 100LX Redirector—however, the COM ports can be different on the PC and the HP 100LX.

1. **On the HP 100LX**, press **S** to start Setup.
2. Press **MENU** **R** **S** to see the server settings.
3. Verify that the server settings baud rate is the same as on the PC. (The Interface should be COM1.)
4. Press **OK** (**F10**) to use the settings you changed.
5. Press **MENU** **R** **C** to see the client settings.
6. Verify that the client settings baud rate is the same as on the PC. (The Interface should be COM1.)
7. Press **Advance** (**F6**) to select the drive mappings, as follows:
 - Use **▼** to move. The HP 100LX drive letters are on the left (you can't edit them, unlike with the Connectivity Pack Setup) and the PC drive letters are on the right. (Usually, the drive mappings are different on the PC and the HP 100LX.) If you want to map drive C of your PC to drive G on your HP 100LX, for example, put C in the field next to G; to map the PC's drive A to the HP 100LX's drive H, put A next to H.
 - Only choose letters for drives that exist on your PC.
8. Press **OK** (**F10**) to save the drive mappings.
9. Press **OK** (**F10**) again to use the settings you changed.
10. Press **MENU** **R** **E** to enable the Redirector.
11. Press **ALT** **Q** to exit HP 100LX Setup.

The Redirector is now configured and ready for use.

Testing the Redirector

Once you've configured Redirector, you need to test it to make sure it works properly.

To access HP 100LX drives from your PC:

1. On the HP 100LX, press **[&...]** **[MENU]** **[A]** **[L]** to close all applications. You should see the business card on the HP 100LX display.

Time Out



The HP 100LX server is always in memory. However, it checks for available "drives" *only when it's first activated*. To access new drives—such as a memory card you've just inserted—you must re-activate the HP 100LX server: *save all your work*, then do either of the following:

- Press **[&...]** **[MENU]** **[A]** **[T]** **[OK]** **(F10)** and then 100 **[ENTER]**.
- Press **[CTRL]+[ALT]+[DEL]**.

2. On the PC, start the Connectivity Pack. At the MS-DOS prompt, type

APP100 **[↵]**

3. Press **[D]** to start MS-DOS. This displays the MS-DOS prompt, with the Redirector working.
4. To see which drives are mapped, type:

RMAP **[↵]**

5. Type the DIR (directory) command with a drive letter that represents a mapped HP 100LX drive. For example, if G is mapped to your HP 100LX's C drive, type

DIR G: **[↵]**

You'll see a directory of the HP 100LX's C drive on your PC display. As soon as you use the Redirector, the server (in this case, the HP 100LX) enters "server mode"—its keyboard is disabled.

Time Out



If nothing appears, the setup isn't working—see “If Redirector doesn't connect properly” under “Symptoms” in Chapter 6.

6. **On the HP 100LX**, press **Exit** (**F9**) to exit server mode. This may take several seconds.
7. **On the PC**, type EXIT at the MS-DOS prompt to return to the Connectivity Pack.

With Redirector operating, PC and Connectivity Pack applications can also access HP 100LX drives in the applications' file dialog boxes. The Filer can directly access drives too—press **ESC** until you see the drive list, then select the remote drive.

To access PC drives from your HP 100LX:

1. **On the PC**, start the Connectivity Pack. At the MS-DOS prompt, type

APP100 **←**

Time Out



The PC server checks for available PC drives when you start it up. If you want to access a PC flexible disk using Redirector, insert the disk now, *before* you enable the PC server. (If the server is already enabled, press **Exit** (**F9**) to disable it, insert the disk, and press **V** to reenable the server.)

2. Press **V** to start the Redirector server.
3. **On the HP 100LX**, press **&...** **D** to display the MS-DOS prompt.
4. Type the DIR (directory) command with a drive letter that represents a PC drive. For example, if G is mapped to your PC's C drive, type:










DIR G: **ENTER**

You'll see a directory of the PC's C drive on your HP 100LX display.

5. **On the PC**, press **Exit** (**F9**) to exit server mode. This may take several seconds.
6. **On the HP 100LX**, type EXIT at the MS-DOS prompt.

With Redirector operating, HP 100LX applications can also access PC drives in the applications' file dialog boxes. The Filer can directly access drives too—press **ESC** until you see the drive list, then select the remote drive you want.

Starting Redirector in MS-DOS

- The Redirector client is a memory-resident program (TSR) that runs in the background on the PC. To start the client from the PC's MS-DOS prompt, type one of the following:
 - `client`  (Uses the last Connectivity Pack settings.)
 - `client @ settings file name`  (Uses the named client settings file—save a file using Setup.)
 - `client \b= baud rate`  (Uses the specified baud rate—must be the same as on the HP 100LX.)
- To stop the client from the PC's MS-DOS prompt:
 1. Close all files on remote drives.
 2. Unload any TSRs you started *after* the client, in reverse order.
 3. Type `unl000 -c`  at the MS-DOS prompt.
- To see how Redirector has assigned the PC drive letters, type `EMAP`  at the MS-DOS prompt in the Connectivity Pack directory.
- The Redirector server on the PC provides information to the HP 100LX. To start the server from the PC's MS-DOS prompt, type one of the following:
 - `pserver`  (Uses the last Connectivity Pack settings.)
 - `pserver @ settings file name`  (Uses the named server settings file—save a file using Setup.)
 - `pserver \b= baud rate`  (Uses the specified baud rate—must be the same as on the HP 100LX.)
- To stop the server, press `Exit`  (**F9**).

5-8 Using the Redirector

Redirector Cautions and Notes

Always observe the following when using Redirector.

For the PC and HP 100LX:

- You must insert disks and memory cards *before* activating the Redirector server to be able to access them.
- *Do not interrupt Redirector during a disk operation.* Some operations (particularly installing software) take a long time, and you will usually have no indication that Redirector is working. If you stop Redirector during such an operation, you might damage file information.

For the HP 100LX

- Exit all applications associated with the files you plan to access from the PC.
- Applications that use the COM port can conflict with the Redirector server. The HP 100LX server can't be active under these conditions:
 - If the COM port is in use (exit Filer, cc:Mail, and Datacomm, which all use the COM port).
 - If the HP 100LX is in MS-DOS mode (type `exit` **ENTER**, `100` **ENTER**, or press **CTRL**+**ALT**+**DEL** to leave MS-DOS).
 - If you've used the Disable Server command in Setup for security reasons (use the Enable Server command to enable it).
- If you transfer files for an extended period of time you should plug the HP 100LX into an AC adapter to preserve battery life.

For the PC:

- While Redirector is active, you can operate directly on HP 100LX files using your favorite PC applications, including Windows applications.
- *You cannot use the following MS-DOS commands for any HP 100LX drives:* CHKDSK, DISKCOMP, DISKCOPY, FASTOPEN, FDISK, FORMAT, JOIN, LABEL, RECOVER, SUBST, or SYS. You can use a file-management application or other MS-DOS commands to manipulate HP 100LX files from your PC. However, Redirector treats HP 100LX drives like *network* drives, and the restrictions on the use of certain MS-DOS commands with network drives apply

to HP 100LX drives as well. This prevents the use of the above commands.

Transferring Files with Redirector

To transfer files in MS-DOS or Windows:

1. Start the Redirector in the direction you want—see “Testing the Redirector” earlier in this chapter.
2. To copy files, use the MS-DOS COPY command, or your preferred file manager (such as Microsoft Windows’ File Manager).

To transfer files in Filer:

1. Start the Redirector in the direction you want (see “Testing the Redirector” earlier in this chapter), but *don’t exit to MS-DOS*.
2. Start the Filer on the client PC or HP 100LX.
3. Press **Split** (**F7**) to split the screen. The display shows two copies of the current directory.
4. Press **ESC** several times to display the drives.
5. Highlight one of the remapped drives and press **ENTER**. For example, if you’re using the Filer on the HP 100LX with default settings and you select drive G, you’ll access drive C on your PC.

Note



Because Redirector seamlessly reassigns drives, the HP 100LX Filer “thinks” all the drives are in the HP 100LX, and thus displays “Local” at the top of each drive in the split screen (unlike Filer, which displays “Local” and “Remote” at the top of each screen to show the location of the drive). In Redirector, the drive letter indicates which drive isn’t local.

6. Select the *destination directory* in the remapped drive.
7. Display the *source directory*.
8. Highlight the file and press **Copy** (**F2**) or **Move** (**F3**). (Refer to the *HP 100LX User’s Guide* for detailed information on Filer commands.)

9. Press **OK** ((F10)) to copy or move the file using the directory paths you've just defined.
10. On the client computer, close the Filer.
11. On the server computer, press **Exit** ((F9)) to close the server.

Working on a Network

If your client PC is connected to a network such as Novell or OS/2 LAN Manager, you should be aware of the interactions between Redirector and the network.

You should always start your network and set up your network drives *before* you start Redirector. If you don't, you may get network errors, and Redirector will appropriate the drive letters normally assigned to true network drives. You must ensure that network drives and Redirector drives aren't assigned to the same drive letters on your PC.

You can access your HP 100LX drives only from the PC that is connected to the HP 100LX and running Redirector. You *can't* access the HP 100LX drives from any other PC on the network.

MS-DOS and other applications treat HP 100LX drives assigned by Redirector just as they treat network drives. For example, in Windows your HP 100LX drives would appear among the drives identified as network drives. You need to keep track of which drives are true network drives and which are HP 100LX drives set up by Redirector.

Fixing Problems

This chapter contains the following information that can help you fix problems:

- Symptoms and possible remedies.
- Selected messages and possible actions.
- Diagnostic programs.
- Warranty information.


See the inside back cover for information about contacting Hewlett-Packard.

Symptoms

If you have problems using Connectivity Pack, look in this section for the description that most closely matches the symptoms you observe, and try the suggestions listed.

Connectivity Pack Problems

If the installation program doesn't work properly:

- Make sure that the current drive can read high-density disks. (If your PC doesn't have a high-density drive, contact HP to obtain the Connectivity Pack software on low-density disks.)
- Make sure you've set the current drive to the drive containing the Connectivity Pack disk. For example, if the Connectivity Pack disk is in drive A, type **a:** .

If you get an error message on the PC:

- Look for the message under “Selected Messages” later in this chapter.
- Look for the message in your PC’s documentation.
- Check for related symptoms below.

If you can’t start APP100:

- Make sure you allowed the installation process to finish.
- Make sure you are in the Connectivity Pack directory, or execute SET and check that your PATH contains the Connectivity Pack directory (usually C:\CPACK100). If it is not, you can add it to AUTOEXEC.BAT as follows:
 1. At the MS-DOS prompt type

```
type \config.sys
```
 2. Make a backup copy of your current AUTOEXEC.BAT file. At the MS-DOS prompt type

```
copy \autoexec.bat \autoexec.old
```
 3. Open your PC’s AUTOEXEC.BAT file with a text editor.
 4. Add the Connectivity Pack directory to the PATH statement.
 5. Save the AUTOEXEC.BAT file *in ASCII format*.
 6. Restart the PC (press **CTRL**+**ALT**+**DEL**, or turn it off and on).
- Make sure you did *not* install the software on a network drive—it must be installed on a local hard disk.
- Make sure your PC is using MS-DOS version 3.3 or later.
- Make sure your PC has a 286 or higher processor, and an EGA or higher display. The Connectivity Pack won’t work on a PC XT.
- Make sure your PC has at least 640 KB of RAM, and that memory-resident programs (“TSRs”) leave at least 512 KB of RAM for the Connectivity Pack to use. You can experiment by commenting out TSRs in the AUTOEXEC.BAT file, then rebooting the PC (press **CTRL**+**ALT**+**DEL**, or turn it off and on).

- Check the FILES command in your PC's CONFIG.SYS:
 1. **On the PC**, determine the *current* FILES setting specified in the CONFIG.SYS file. At the MS-DOS prompt type

```
type \config.sys ↵
```

 - If CONFIG.SYS contains a FILES command, note the assigned number. If it's 15 or more, stop now—you don't need to modify it.
 - If there is no FILES command, you need to add one.
 - If FILES is set to less than 15, you need to modify it.
 2. Make a backup copy of your current CONFIG.SYS file. At the MS-DOS prompt type

```
copy \config.sys \config.old ↵
```
 3. Open your PC's CONFIG.SYS file with a text editor.
 4. Modify or add the command FILES= so that it reads FILES=15.
 5. Save the CONFIG.SYS file *in ASCII format*.

Time Out



An incorrectly saved or modified CONFIG.SYS file might prevent your PC from starting up. You can type

```
type \config.sys ↵
```

at the MS-DOS prompt to make sure the modified file looks the same as before—only the FILES line should be different. Use your text editor to correct any problems before continuing.

To check your original CONFIG.SYS, at the MS-DOS prompt type

```
type \config.old ↵
```

If you want to restore your original CONFIG.SYS and start over, at the MS-DOS prompt type

```
copy \config.old \config.sys ↵
```

6. Restart the PC (press **CTRL**+**ALT**+**DEL**, or turn it off and on). Your PC now uses the new FILES value.

If your PC locks up when you run APP100 Filer:

- Restart the PC (press **CTRL**+**ALT**+**DEL**), or turn it off and on).
- An older PC AT computer may have an incompatible BIOS IC. Have your PC service center install a new BIOS IC.

If the main APP100 menu is incorrect:

- If one or more application entries are missing, some files may be missing from the installation directory. Reinstall the Connectivity Pack software.

If no highlight bar or inverse video appears in the Connectivity Pack applications:

- Run APP100 Setup and check screen color configuration. Try monochrome.

If you can't find files in the Filer:

- Check the directory you're viewing—and which computer it's on (local or remote).
- Check that you're viewing the correct drive—Redirector, for example, makes all drives appear local to the Filer. Refer to the drive letter to determine whether a drive is local or remote.

If the Filer can't connect to the remote computer:

- Make sure the Filer is running on *both* computers.
- Make sure that the Server Mode is enabled in the Filer's Remote Settings.
- Save any open files, close all applications, then reboot the HP 100LX. Then recheck the Filer's Communications Remote Settings ... configuration for the correct interface and baud rate settings.
- Check the Filer configuration on the PC:
 - Check that the baud rate is the same as that selected in the Filer on the HP 100LX (and for the modems, if used).
 - Try a lower baud rate. Very high baud rates (such as 57600 and 115200) may not work reliably with some PCs.
 - Make sure the serial cable is plugged into the serial port specified in the Remote Settings ... command in the Filer's Communications menu.

6-4 Fixing Problems

- If you're using COM3 or COM4, check its address and interrupt—see your computer or serial port documentation—then change them using Setup's Options Communications Port command (see "Step 3: Configuring for Communications" in Chapter 1).
- Check that no memory-resident program (TSR) on the PC is using the serial port. If one is, stop the TSR, or use a different port.

If the Filer loses its remote connection during a file transfer:

- See "Remote connection broken" under "Selected Messages" later in this chapter.


If you run out of memory while merging two files:

- Close or quit other applications or programs that are running—such as Windows, memory-resident (TSR) programs, and network software. Merging requires enough memory to hold both files during processing.

If you can't translate Comma Delimited (CD) files to HP 100LX format:

- Make sure no field contains a *single* " (double-quote) character, which is reserved for marking the start and end of each field. (To represent a double-quote character within a field, use *two* double-quote characters together.)
- Make sure the only characters outside the " (quote) delimiters are comma separators and carriage-return/line-feed record markers.
- Make sure each record ends with carriage-return *and* line-feed characters.
- Use the APP100 Phone Book to create a short file with HP 100LX format. Then use Translate to create a CD version, and compare its format with the CD file that's difficult to translate.
- Examine the task's log file for clues to the problem.

If Redirector doesn't connect properly:

- Make sure the serial cable is connected.
- Make sure the HP 100LX COM port is available (exit Filer, cc:Mail, and Datacomm, which all use the COM port).
- Check that the Server is Enabled in HP 100LX's Setup.
- If the HP 100LX is the Redirector server, make sure it's not in DOS mode (type `exit`  to return to More Applications).

- Check that the LASTDRIVE parameter (in the CONFIG.SYS file) is large enough to accommodate four HP 100LX drives in addition to the PC's hard, flexible, and network drives. See "Setting Up for Redirector" in Chapter 5.
- Make sure the serial cable is plugged into the serial port specified in the Remote Settings command in the Filer's Communications menu.
- Look for conflicting programs running on your PC. Close or quit other applications or programs that are running—such as memory-resident (TSR) programs. Examine the AUTOEXEC.BAT file for commands that run potentially conflicting programs.
- Make sure the Redirector and Filer baud rate and COM port settings on the HP 100LX and PC all match.
- Try a lower baud rate. Very high baud rates (such as 57600 and 115200) may not work reliably with some PCs.

If Redirector can't access all the HP 100LX drives:

- Reboot the HP 100LX—press **CTRL**+**ALT**+**DEL**—to make sure the HP 100LX "sees" a newly-inserted memory card.
- Check that the LASTDRIVE parameter (in the CONFIG.SYS file) is large enough to accommodate four HP 100LX drives, in addition to the PC's hard, flexible, and network drives. See "Setting Up for Redirector" in Chapter 5.
- Try increasing the LASTDRIVE parameter several letters and rebooting the PC (press **CTRL**+**ALT**+**DEL**, or turn it off and on).
- To verify drive mappings, start the Connectivity Pack Setup, and press **MENU** **R** **C** **Advance** (**F6**).

If Redirector can't access all the PC drives:

- To verify drive mappings, start the HP 100LX Setup, and press **MENU** **R** **C** **Advance** (**F6**).
- Make sure that you insert flexible disks in the PC drives *before* starting the PC server.

If a modem connection doesn't work:

- Use Filer instead of Redirector. Redirector doesn't work with modems.
- Make sure the baud rate for the two modems is the same as those set in the Filer's Remote Settings on *both* computers.
- Make sure you're using the correct cable adaptor—the 25-pin modem connector has a picture of a phone embossed on it.

6-6 Fixing Problems

- Make sure the receiving modem is in autoanswer mode.
- Make sure the Filer is open on *both* computers.
- Check the connection and configurations of the PC and its modem. See your PC and modem documentation.

If you can't delete SETUP.ENV from the installation directory:

- This file is required by the Connectivity Pack, so you shouldn't delete it unless you're removing the Connectivity Pack software from your PC. To delete this file, first execute `ATTRIB -R SETUP.ENV`, then delete the file.

HP 100LX Problems

If your HP 100LX batteries run down too fast:

- Use an AC adapter.
- Refer to "battery power, saving" in the index of the *HP 100LX User's Guide* for more information on reducing power use.

If you can't select the COM2 serial port option on the HP 100LX:

- The HP 100LX has only one serial port connector, COM1—you should select it on the HP 100LX if you're connecting with a cable to a PC or external modem, regardless of which serial port you're using on the PC. (The HP 100LX's COM2 port is used with PCMCIA modems in the card slot.)

PC Problems

If you have network problems while using Redirector:

- Make sure you start the network *before* you start Redirector.
- Redirector can access the HP 100LX drives only from the PC that's connected to the HP 100LX and running Redirector—not from any other PC on the network.

Selected Messages

Some of the following messages appear in the Connectivity Pack display, some in the Redirector display, and some in the MS-DOS environment.

“Bad command or file name”:

- Execute SET and check that your path contains the Connectivity Pack installation directory, such as C:\CPACK100. If necessary, edit AUTOEXEC.BAT to add the directory to PATH as described earlier in this chapter, and then restart the PC (press **CTRL**+**ALT**+**DEL**), or turn it off and on). Otherwise, you can start Connectivity Pack programs only from within that directory.

“Memory full”:

- The file is too large for the application. Transfer it to another computer and delete entries from the file.
- The PC has insufficient memory to perform the task. Close or quit other applications or programs that are running—such as memory-resident (TSR) programs.

“Disk is full”:

- The disk drive you’re writing to is full. Delete unneeded files.

“Invalid or empty file”:

- The file may be corrupt or missing from the installation directory. Restore the file from a backup, or, if the file is a Connectivity Pack file, reinstall the Connectivity Pack software.

“Cannot establish a remote connection”:

- See “If the Filer can’t connect to the remote computer” under “Symptoms,” above.

“ATTENTION: Waiting for connection”:

- See “If Redirector doesn’t connect to the HP 100LX” under “Symptoms,” above.

6-8 Fixing Problems

“Remote connection broken”:

- Check the physical connection between the PC and HP 100LX.
- From the Filer, try pressing **Remote (F6)**.
- Save any open files, close all applications, then reboot the HP 100LX (press **CTRL+ALT+DEL**). Then recheck the Filer's Remote-Set configuration for the correct interface and baud rate settings.
- Restart the PC (press **CTRL+ALT+DEL**, or turn it off and on).



Diagnostic Programs

The Connectivity Pack contains five programs that might help you resolve certain configuration problems:

- APPCOM displays serial port information.
- APPDRV displays a list of disk drives.
- APPMEM displays memory usage, including allocations for memory-resident programs.
- RMAP displays a list of redirected drives.
- UN100 unloads all of the Connectivity Pack memory-resident programs.

Limited Warranty

Software: HP warrants for a period of **1 year** from the date of purchase that the software product will execute its programming instructions when properly installed on the personal computer or workstation indicated on this package. HP does not warrant that the operation of the software will be uninterrupted or error free. In the event that this software product fails to execute its programming instructions during the warranty period, Customer's remedy shall be to return the diskette(s) or tape cartridge(s) ("media") to HP for replacement. Should HP be unable to replace the media within a reasonable amount of time, Customer's alternate remedy shall be a refund of the purchase price upon return of the product and all copies.

Media: HP warrants the media upon which this product is recorded to be free from defects in materials and workmanship under normal use for a period of **1 year** from the date of purchase. In the event any media prove to be defective during the warranty period, Customer's remedy shall be to return the media to HP for replacement. Should HP be unable to replace the media within a reasonable amount of time, Customer's alternate remedy shall be a refund of the purchase price upon return of the product and all copies.

Notice of Warranty Claims: Customer must notify HP in writing of any warranty claim not later than thirty (30) days after the expiration of the warranty period.

Limitation of Warranty: HP makes no other express warranty, whether written or oral, with respect to this product. Any implied warranty of merchantability or fitness is limited to the 1-year duration of this written warranty. Some states or provinces do not allow limitations on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. (In the UK only: If you are a "consumer" as defined by statutes, parts of this statement may not apply to you.)

This warranty gives specific legal rights, and you may also have other rights which vary from state to state, or province to province.

Exclusive Remedies: The remedies provided above are Customer's sole and exclusive remedies. In no event shall HP be liable for any direct, indirect, special, incidental, or consequential damages (including lost profit) whether based on warranty, contract, tort, or any other legal theory. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

Warranty Service: Warranty service may be obtained from the nearest HP sales office or other location indicated inside the back cover.

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