

# Chapter 2

## Installation

### 2.1 Preparation

The HP 110 is a truly portable computer. It can be used at a fixed work station, and it can be carried to virtually any location.

A typical work station might require space for peripheral devices, such as a disc drive and a printer. A power outlet would enable the recharger to recharge the battery in the HP 110 (and would provide power for recharging or plugging in any peripheral devices).

For portable use, the HP 110 can be used almost anywhere, since it carries its own battery power. (Refer to the environmental specifications in table 1-2.) Battery-powered peripheral devices might also be used. However, the HP 110 provides an internal “electronic disc” (mass storage memory), which reduces the need for a mass storage device during remote operation.

### 2.2 Installation

Installation isn't required in order to operate the HP 110. If the battery in the HP 110 is sufficiently charged, the HP 110 is immediately ready to operate as a stand-alone computer. If the battery isn't charged sufficiently, connect a recharger to the HP 110 (figure 2-1)—the computer can be used while the battery is recharging.

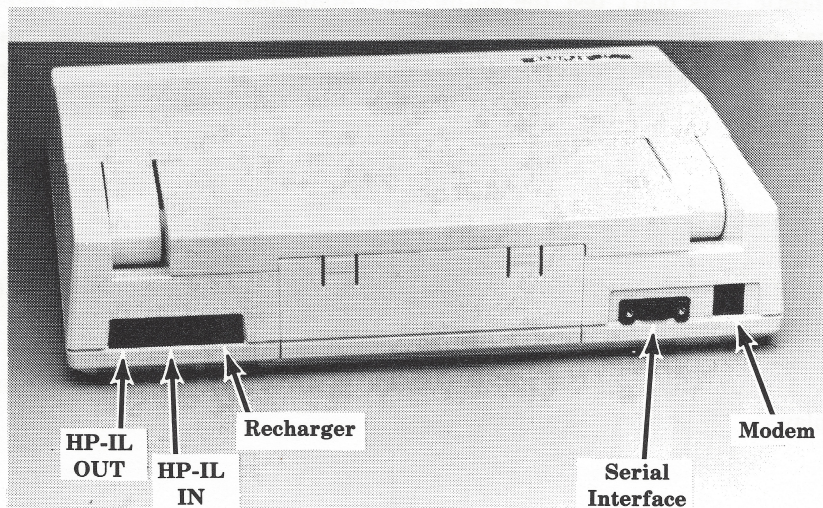


Figure 2-1. Recharger and I/O Receptacles



Peripheral devices are installed by connecting them to one of the three I/O receptacles at the back of the HP 110 (figure 2-1):

- HP-IL devices are connected in series between the computer's IN and OUT receptacles using HP-IL cables. Cables are keyed to ensure proper orientation. All devices must be turned on for the interface to operate.
- One serial device is connected to the serial interface receptacle using a serial interface cable.
- A phone line is connected to the direct-connect modem receptacle using a cable with a standard modular telephone plug. (The Federal Communications Commission requires specific procedures for installing and operating equipment that uses public communications lines. These procedures are described in the owner's manual for the HP 110.)

Cables that are used for connecting HP-IL and serial devices are listed in section 1.5.

## 2.3 Functional Verification

The built-in diagnostic tests verify that the basic functions in the HP 110 are operating properly. The tests do *not* clear mass storage RAM. You can perform these tests in this way:

1. Turn off the HP 110 (press **(f8)** in the main P.A.M. screen, if present; otherwise press and hold **(⏻)** for at least 15 seconds).
2. Start the built-in diagnostic test by holding down **(Shift)** and **(Extend char)**, and pressing **(f8)**. (If the test menu doesn't appear within about 10 seconds, the system isn't operating properly.)
3. Perform all of the built-in tests by pressing the **(f4)** special-function key.

The HP-IL test requires either that you connect a good HP-IL cable between the IN and OUT receptacles (for the "no devices" test) or that you connect the HP 110 and one or more devices (turned on) in a loop (the "devices" test). (Refer to section 2.2 for information about connecting HP-IL devices.)

For a good unit, all tests should indicate "ok". An error message or failure code indicates a test didn't pass and service is required.

The built-in diagnostic tests don't test the entire unit. Additional functions are tested by disc-based diagnostic tests that are available to the user on the "Utilities" disc, which comes with the HP 110. More extensive diagnostic tests are provided on the service disc, which is used during troubleshooting. (Refer to chapter 4 for additional information.)

## 2.4 Configuration

The HP 110 uses software for configuring its settings, rather than using hardware (such as switch settings).

To turn on the HP 110, press any key. The main P.A.M. (Personal Applications Manager) screen should appear in the display.



To adjust the contrast of the display, press **(F9)** to increase contrast, and press **(Shift) (F9)** to decrease contrast. Press several times to increase or decrease the contrast even more.

**Note:** If you hold **(F9)** for more than about 5 seconds, the system is reset. This affects active operations; it doesn't affect stored files.

To change the clock configuration, press **(F3)** (Clock Config) in the main P.A.M. screen. From the clock configuration menu, use the tab or cursor keys to select the fields to edit, and use the "Next Choice" and "Previous Choice" function keys to select the desired choice. Use the "Exit Config" function key to return to the main P.A.M. screen.

The system configuration defines memory allocation, timeout operation, display options, and peripheral communications. To change the system configuration, press **(F6)** (System Config) in the main P.A.M. screen. From the system configuration menu, use the tab or cursor keys to select the fields to edit, and use the "Next Choice" and "Previous Choice" function keys to select the desired choice. Use the "Exit Config" function key to return to the main P.A.M. screen. (Choosing a serial peripheral may require changes in the datacom configuration, discussed next.)

The datacom configuration defines the interaction with serial devices: those connected to the serial interface, and those connected to the HP-IL interface via an HP-IL/RS-232 interface device (HP 82164A HP-IL/RS-232-C Interface). The datacom configuration defines whether the HP 110 uses the serial interface or the direct-connect modem, and defines the baud rate, word length, number of stop bits, and parity. To change the datacom configuration, press **(F5)** (Datacom Config) in the main P.A.M. screen. From the datacom configuration menu, use the tab or cursor keys to select the fields to edit, and use the "Next Choice" and "Previous Choice" function keys to select the desired choice. Use the "Exit Config" function key to return to the main P.A.M. screen.

Refer to the owner's manual for the HP 110 for more information about the configuration menus.



To adjust the content of the display, press (F) to increase, and press (G) to decrease. Press (H) to return to the normal display.

Note: If the bulb (F) for more than 5 seconds, the system is reset. The system returns to the normal display.

To change the data transmission, press (I) to enter the main P.A.M. screen from the first screen. Press (J) to enter the data transmission screen. Press (K) to enter the data transmission screen. Press (L) to enter the data transmission screen. Press (M) to enter the data transmission screen.

The system configuration screen shows the system configuration, including system options and parameters. To change the system configuration, press (N) to enter the system configuration screen. Press (O) to enter the system configuration screen. Press (P) to enter the system configuration screen. Press (Q) to enter the system configuration screen. Press (R) to enter the system configuration screen.

The system configuration screen shows the system configuration, including system options and parameters. To change the system configuration, press (S) to enter the system configuration screen. Press (T) to enter the system configuration screen. Press (U) to enter the system configuration screen. Press (V) to enter the system configuration screen. Press (W) to enter the system configuration screen.

Press (X) to return to the main P.A.M. screen.