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## Chapter 2. Installing Your System Unit

This chapter provides instructions to help you set up your 7563 Passive Backplane System.

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### Before You Begin

- Make sure you know the correct voltage setting for your country. If you are not sure of the voltage setting for your country, contact your place of purchase.
- Make sure you have an adequate number of properly grounded electrical outlets for your system unit, display, and printer.
- Plan to place your system unit in a location that is dry and as clean as possible. Contaminants could cause damage to the system unit.
- Plan to leave enough space around the system unit to allow the system unit's cooling system to work properly.
- Plan to leave enough space around the system unit to allow for proper service access. (This space will vary, depending on the type of mounting to be used.)
- Have this publication handy in case you need additional information.
- Have blank diskettes available to back up utility and startup programs.

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### Step 1. Unpack Your System Unit

#### **CAUTION:**

**To avoid possible injury while moving or lifting the system unit, ask another person to help you.**

Remove the 7563 Passive Backplane System from its shipping carton, along with all other materials in that carton. Also unpack all devices to be externally attached to the system unit — for example: power cord, keyboard, monitor, printer, mouse, and cables. (To prevent possible damage, do not unpack delicate internal components yet. Unpack them when you are ready to install them.)

If any items are missing, contact your place of purchase.

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## Step 2. Check the Voltage Setting

Two power supplies are available with the 7563 Passive Backplane System: a 200-watt or a 330-watt. The power supplies can be identified by the presence of a voltage-selection switch near the input connector for power cord.

### 200-Watt Power Supply

The 200-watt power supply has a voltage-selection switch, which must be set manually before the system unit is powered up.

#### Attention

If the switch is in the wrong position, you will damage your system unit when it is turned on.

The switch is marked either “110” and “220” or “115” and “230.” Use the following instructions to set the switch. You can use a ball-point pen to slide the switch to the correct position.

- If the voltage range in your country is between 90 and 137 volts, set the switch so “110” or “115” is visible.
- If the voltage range in your country is between 180 and 265 volts, set the switch so “220” or “230” is visible.

### 330-Watt Power Supply

The 330-watt power supply does not have a switch. It senses the input voltage and automatically switches to the correct setting.

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## Step 3. Install Internal Options

Internal options are devices that are installed inside your system unit. Some internal options are mounted directly on the SBC, such as memory modules (SIMMs), cache memory, and video. Internal options, such as diskette and hard disk drives, are installed in the drive bays, and adapters are mounted in expansion slots on the backplane.

- If you do not have options to install inside your system unit, go to “Step 4. Install the Feet on the System Unit” on page 2-3.
- If you have options to install but you want to check out your computer before installing the options, go to “Step 5. Connect the Cables” on page 2-3. You have to connect the display, keyboard, and power cable; then run the Configuration/Setup Utility. Run the Configuration/Setup Utility again after the options are installed.
- If you have options to install inside your system unit, install them now, before attaching the cables. For option installation instructions, use the appropriate procedures in Chapter 3, “Installing Options.”

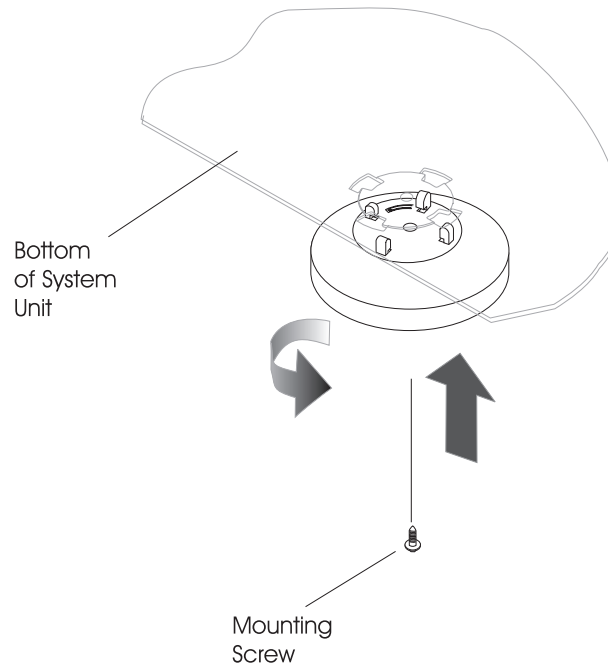
**Note:** As you install the options, be sure to record all pertinent information such as drive types and sizes, memory, and identification numbers in Appendix A, “System Records.”

After installing all internal options, continue to the next step.

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## Step 4. Install the Feet on the System Unit

Plastic feet are included with the computer. Install the feet into the bottom of the system unit and secure each foot with a screw. Make sure it is standing firmly on all four feet; then proceed to the next step.



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## Step 5. Connect the Cables

Connect all system unit cables in the following order.

1. Connect all cables between the system unit and the keyboard, mouse, display, and all other peripheral devices.
2. Connect the power cords (system-unit side only) to the system unit, the display, and all other peripheral devices.
3. Plug the power cords from the system unit, display, and other devices into properly grounded electrical outlets.

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## Step 6. Perform Power-Up and Check-Out Procedure

### Attention

Before continuing, make sure the voltage-selection switch on the power supply is set correctly for your power source (see “Step 2. Check the Voltage Setting” on page 2-2). If it is not in the correct position, you will damage your system unit when you turn it on.

Perform the following power-up and check-out procedure at least one time to familiarize yourself with the power-up sequence. In this way, you will become acquainted with what messages to expect. However, if your system unit has never been configured or you changed the configuration by adding or changing features, the screen will display an error message indicating that the Configuration/Setup Utility must be run. In that case, perform “Step 7. Run the Configuration/Setup Utility Program” on page 2-5 after performing this step once; and then perform this step again to complete the system unit check-out.

1. Turn on the display and adjust the brightness and contrast controls to the approximate midpoint. (You can readjust these controls for personal viewing comfort after you turn on your system unit.)
2. Turn on the computer.

You should see the power-on light come on.

3. Continue to check the display screen and listen for a single beep from the speaker. A series of coded messages should appear on the screen. These messages are part of the normal power-on process that occurs each time you turn on the system unit. The following should occur.

- a. A blinking cursor appears on the screen.
- b. After a short time, an icon showing a system unit screen appears in the upper-right corner,



and the RAM memory test message appears in the upper-left corner.

- c. The system unit starts the power-on self test (POST).
- d. During POST, the computer displays the amount of available memory. After completing POST without detecting any errors, the computer indicates a successful POST by a single beep.
  - If the POST is completed successfully, proceed to “Step 7. Run the Configuration/Setup Utility Program” on page 2-5.
  - If POST detects an error or does not complete testing, it does not generate the single beep. Either no beep or multiple beeps might occur and an error code might be displayed. Also, Check the screen for the error message, and see “Troubleshooting Charts” on page 5-4 to resolve the problem.

**Note:** You need to run the Configuration/Setup Utility at least one time, as described in “Step 7. Run the Configuration/Setup Utility Program” on page 2-5; then return to this step.

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## Step 7. Run the Configuration/Setup Utility Program

If you have not run the Configuration/Setup Utility program, or if you have changed the configuration since running configuration, run the Configuration/Setup Utility program as described in “Using the Configuration/Setup Utility Program” on page 4-6. Then return to “Step 6. Perform Power-Up and Check-Out Procedure” on page 2-4.

### Notes:

1. This step assumes you have installed all options, as instructed in “Step 3. Install Internal Options” on page 2-2. For option installation instructions, use the appropriate procedures in Chapter 3, “Installing Options.”
2. To install a device driver (a program that supports a specific type of hardware device), see the instructions that came with the option you installed.

If you have no device drivers to install, proceed to the next step.

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## Step 8. Finish the Installation

Your computer hardware is now set up, and you are ready to finish the installation by installing the required software and completing the paperwork. The final steps are different for various configurations and applications, but you can use the following checklist as a guide.

— **Install your operating system.**

Refer to the documentation and instructions supplied with your operating system.

— **Install your application programs.**

Refer to the documentation and instructions supplied with your application programs.

— **Make any backup copies necessary.**

It is very important that you keep a backup copy of the system partition, reference diskettes, and hard files, in case of possible future use.

— **Record your identification numbers.**

Your system unit might have important identification information that you might need if you have it serviced or if you need to order duplicate keys (for keylock-equipped systems). You should record all such information in Appendix A, “System Records” or in another safe place.

— **Complete your registration or warranty forms.**

Complete and return the registration cards that came with your system unit.

