7 Setting up the SoundDrive 16

Designed to be easy to use and easy to install, the SoundDrive 16 sound controller can be used with preset jumper settings. If you need to change the default address settings, see Chapter 2.

Hardware Installation

1. If you previously installed another sound card, remove it and all associated files from your SYSTEM.INI and CONFIG.SYS files.

2. If you are connecting external speakers to the SoundDrive 16, connect the speaker cable to the SPEAKER jack on the back of the system board (Figure 3-10).

3. If you are connecting amplified external speakers to the SoundDrive 16, connect the speaker cable to the LINE OUT jack on the back of the system board (Figure 3-10).

4. If you are connecting a microphone to the SoundDrive 16, connect the microphone cable to the MIC jack on the back of the system board (Figure 3-10).

5. If you are connecting a MIDI device or a joystick to the SoundDrive 16, connect the cable to the joystick port on the back of the system board (Figure 3-10).

6. If you are installing a CD-ROM, you will need a CD-ROM audio cable to play music CD's on your system. Contact your dealer to obtain the correct cable.

Note:
If you are installing a CD-ROM drive, it is recommended you install it before setting up the SoundDrive 16 sound controller. See **Installing a CD-ROM Drive** *at the end of this chapter.*

Software Installation

1. Start Microsoft Windows.

2. Insert the SoundDrive 16 software disk into your floppy drive.

3. From the Program Manager File menu, choose Run.

4. Type the drive letter, then SETUP.EXE; e.g., A:\SETUP.EXE.

5. The SETUP.EXE program automatically copies the SoundDrive 16 software and application programs to your hard drive.

6. Once the software is installed, the SETUP.EXE program automatically updates your CONFIG.SYS and AUTOEXEC.BAT files.

7. At this point, you must exit Windows and reboot your system. The CD-ROM drive is initialized on bootup. If it does not initialize on bootup, check for an I/O, DMA, or IRQ address conflict. Verify the address settings of other peripherals in your system to correct the address conflict(s).

8. If you are installing a CD-ROM drive, refer to the installation procedures provided by the CD-ROM manufacturer.

The SoundDrive 16 hardware and software installations are complete. The application programs installed will be located in the Orchid Audio Applications group on the Windows desktop.

External Devices

External Speakers
You can connect 4 or 8 ohm external speakers or headphones to the LPM30. The speakers and headphones plug into the SPEAKER jack on the back of the system board (Figure 3-10).

Joystick
Plug the joystick into the 15-pin game port connector (Figure 3-10).

MIDI
If you purchased the optional MIDI interface kit, you will have an additional cable. This cable plugs into the 15-pin connector and provides MIDI IN and MIDI OUT connections, in addition to a joystick connection. Connect this cable to the game port and connect any MIDI devices to the appropriate cables.

Microphone
You can connect a 300-600 ohm microphone to the LPM30. Plug it into the MIC jack on the back of the system board (Figure 3-10).

CD-ROM
The LPM30 supports IDE CD-ROM drives and has an MPC Level 2 audio connector for CD audio.

Line In
You can connect an external mono or stereo audio source to the LPM30, such as a tape player or radio. Use the appropriate converter cable to interface to your external equipment.

Line Out
Allows you to connect the output of the SoundDrive 16 audio controller to your home stereo, VCR, or amplified speakers.

The MIDI Interface
An optional MIDI Kit is available for the LPM30. The kit includes a Sound Blaster-type MIDI cable and MIDI software. To purchase the kit call your local dealer or Micronics' Sales department. See the Technical Help and Warranty Information card for Orchid telephone numbers.

Installing a CD-ROM Drive

Micronics recommends the installation of an IDE CD-ROM. *If you are installing a CD-ROM drive these instructions will help you, but you should also refer to the documentation that came with your CD-ROM drive.* Before starting the setup and installation, make sure that your computer is turned OFF and the power cord has been disconnected from the wall outlet. Your CD-ROM drive kit should contain the following items for a successful installation:

- CD ROM Drive with optional slide rails.
- Interface Cable.
- Audio Cable.

Install the CD-ROM hardware as recommended by the CD-ROM manufacturer. Follow the steps below for help on installing the CD-ROM audio cable.
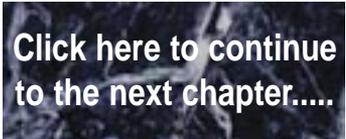
Installing the cable:

1. Connect the ribbon cables as described in the CD-ROM's documentation.

2. Connect the audio cable to the CD-ROM drive's audio connector.

3. Connect the other end of the audio cable to the MPC-2 compatible CD-ROM audio connector on the LPM30 system board (Figure 3-10).

4. You are now ready to setup the SoundDrive 16 sound controller. Follow the "Hardware Installation" and "Software Installation" sections at the beginning of this chapter.

CD-ROM Device Drivers

CD-ROM drives require device drivers to access the drive. These device drivers are generally provided by the manufacturer of the CD-ROM drive. Usually one device driver is added to the CONFIG.SYS file and one to the AUTOEXEC.BAT file.

The device driver added to the CONFIG.SYS file is the CD-ROM device driver. This file configures the CD-ROM drive and initializes the drive on boot up. It is dependent on the type of CD-ROM drive installed. The device driver added to the AUTOEXEC.BAT file is an executable file, which tells the operating system that a CD-ROM drive is installed in the system and what configuration the CD-ROM drive is using. MSCDEX.EXE is a commonly used device driver. There are other versions of this device driver which perform the same function, such as the CORELCDX.COM device driver.

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