



Elektroson Inc. 2105 South Bascom Avenue Suite 160 Campbell CA 95008. USA.

Elektroson BV, Vonderweg 14, 5616 RM Eindhoven

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GEARTM

Desktop Installation Guide



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Thank you for purchasing GEAR.

We hope you find this Desktop Multi-OS CD both convenient and very powerful. In addition to providing state-of-the-art CD recordable software we have provided multi-language documentation and localized software in English, French and German. Although you have not received a printed User's Manual, we have provide complete online documentation under the Adobe Acrobat (PDF) Format on the installation CD.

If you require the complete distribution kit, which includes:

- ☐ Latest version of GEAR MM (professional version)
- ☐ Printed User Manual (available in several languages)
- ☐ Unlimited technical support, notification of new updates, and free software patches
- ☐ CD Driver utilities, special offers from GEAR partners
- ☐ Notification of new products such as GEAR Archiver and GEAR for Networks

Please call your nearest GEAR reseller or call Elektroson directly for a list of resellers and how to upgrade to the latest version of GEAR MM - The Standard in CD-R Software.

In This Booklet

This booklet provides information about installing GEAR for Windows, OS/2, and Mac OS. In this booklet, you can read about the following:

- ☐ System requirements
- ☐ Viewing the online user's manual (Acrobat Reader)
- ☐ Configuring your hardware

- ☐ Installing the software for Windows 95
- ☐ Installing the software for Windows NT
- ☐ Installing the software for Windows 3.1 and Windows for Workgroups
- ☐ Installing the software for OS/2
- ☐ Installing the software for Mac OS

Before You Begin

Your distribution package should contain the following:

- ☐ A CD-ROM that contains English, French, and German versions of the software and manuals for Windows 95, Windows NT, Windows 3.1 and Windows for Workgroups, OS/2, and Mac O/S
- ☐ Serial number labels for registration and startup
- ☐ Registration card

If your package is incomplete, immediately contact Elektroson.

Note: If you need 3.5 diskettes to install GEAR, call Elektroson Technical Support.

Viewing the Online User Manual (Acrobat Reader)

In addition to the install booklet we have provided the **COMPLETE USER MANUAL** in several languages on the installation CD. The documentation has been formatted under the Adobe Acrobat Portable Document Format (PDF), and includes a copy of Adobe Acrobat Reader v2.1 to search, view, retrieve, and print the online user manual.

Installing the Acrobat Reader

Windows 95/NT/3.1

To install Acrobat Reader v2.1 on your hard disk drive:

- ☐ From the Windows Program Manager, choose Run from the File menu
- ☐ Type: [CD ROM drive]:\acroread.exe. Depending on which version of the GEAR Install CD that you have, the acroread.exe may either be located in the root directory or operating system subdirectory. Please make sure to choose the correct language version.
- ☐ Follow the instructions on your screen.

Mac OS

To install Acrobat Reader v2.1 on your hard disk drive:

- ☐ Double click on the file called "AcroRead. mac" and follow the instructions on your screen. Depending on which version of the GEAR Install CD that you have, the acroread.exe may either be located in the root directory or operating system subdirectory. Please make sure to choose the correct language version.

OS/2

Currently there is no Adobe Acrobat Reader support under OS/2.

Note: If you have problems locating or installing the Adobe Acrobat Reader file please contact Elektroson Technical support or reseller. To update or get additional information about the Acrobat Reader, please contact Adobe directly.

System Requirements

Windows 95/NT

To run GEAR under Windows 95, you need the following:

- ☐ A 486 IBM-AT or compatible with 8MB of RAM
- ☐ Windows 95 or Windows NT 3.51
- ☐ Adaptec or any other card supported by Windows 95 or NT (WinASPI32- or miniport-compatible drivers)
- ☐ A minimum of 25MB free disk space for image management
- ☐ 12ms or less SCSI HDD (non-thermal recalibration)

Windows 3.1 and Windows for Workgroups

To run GEAR under Windows 3.1 or Windows for Workgroups, you need the following:

- ☐ A 486 IBM-AT or compatible with 8MB of RAM
- ☐ 500KB of conventional memory for Windows 3.1 only
- ☐ MS-DOS 5.0 or later and Windows 3.1 or Windows for Workgroups
- ☐ Adaptec SCSI card or any other interface card supported by ASPI or a WinASPI-compatible driver, or a Future Domain card with a CAM driver
- ☐ A minimum of 25MB free disk space for image management
- ☐ 12ms or less SCSI HDD (non-thermal recalibration)

OS/2 Warp

To run GEAR under OS/2 Warp, you need the following:

- ☐ A 486 IBM-AT or compatible with 8MB of RAM
- ☐ OS/2 Warp
- ☐ Adaptec or any other interface card supported by OS/2 Warp

- ❑ A minimum of 25MB free disk space for image management
- ❑ 12ms or less SCSI HDD (non-thermal recalibration)

Mac OS

To run GEAR, you need the following:

- ❑ Macintosh Quadra or better with 8 MB of RAM
- ❑ System 7.0 or later
- ❑ A minimum of 25 MB free disk space for image management
- ❑ 12ms or less SCSI HDD (non-thermal recalibrating)

Important: We recommend a fast hard drive with a fast controller (12 msec average access time or less). Use only hard drives that don't require thermal recalibration. These drives are sometimes referred to as AV drives. If thermal recalibration occurs during CD-R writing, the data stream stops and the disc is wasted.

Medium Changers

GEAR currently supports several medium changers including: the ASM Jukebox, Pioneer DRM-5004x Jukebox, K&S, and Kodak Disc Transporter.

Configuring Your Hardware and Installing GEAR

This section includes information for configuring the necessary hardware for connecting a CD recorder or tape unit. Separate sections are included for Windows 95, Windows NT, Windows 3.1 and Windows for Workgroups, OS/2 Warp, and Mac OS.

Windows 95

Since Windows 95 is supplied with an integrated SCSI I/O driver, no additional third party adapter driver is required in most cases. This version of GEAR supports the WinASPI32 device

driver for Adaptec cards. Currently, GEAR for Windows 95 has been tested with only the Adaptec SCSI host adapter cards. Please contact Elektroson for a current list of supported adapters.

Note: You can verify the proper installation of your SCSI adapter by choosing Settings from the Control Panel. Double-click the system icon. Select the Device Manager. If a host adapter is installed, the SCSI Controllers item should be included in the list of available drivers. Click this item to display the supported host adapter. Select the device and click the Properties button to view the current status of the host adapter.

Connecting Your Recorder

Installing a Non-Plug & Play-Compatible Recorder (Device Type 4, WORM)

Due to incompatibilities with device type 4 CD recorders and Windows 95 SCSI drivers, type 4 recorders currently cannot be mounted as CD readers. However, Windows 95 will automatically want to associate a driver with the recorder. When you are asked which driver to use, you must choose for the CD-R to be an 'Unsupported' device. Several third party utilities are currently under development. Please call Elektroson or your SCSI card manufacturer for updated information.

Note: If you have purchased a type 4 recorder and don't have a CD-ROM drive to install GEAR, you can purchase a 3.5 floppy upgrade pak for Windows 95 and NT for a nominal shipping and handling charge. Contact Elektroson Technical Support. For a list of device type 4 recorders, see the CD Recorder Compatibility List at the end of this chapter.

Installing a Plug & Play-Compatible Recorder (Device Type 5, CD-ROM)

If your recorder is a device type 5 recorder, Windows 95 installs a CD-ROM driver automatically. Windows 95 recognizes device type 5 recorders as CD-ROM drives. You should, how-

ever, turn off the Auto Insert Notification option to prevent Windows 95 from trying to access the CD-R while the system is recording. Choose Settings from the Control Panel. Double-click the system icon. Select the Device Manager and turn off the Auto Insert Notification check box. For a list of device type 5 recorders, see the CD Recorder Compatibility List at the end of this chapter.

1. To connect your CD recorder, shut down your system and connect your recorder to your SCSI host adapter.
2. Restart Windows 95 with your recorder turned on.

- ☐ If your recorder is a device type 4 recorder, Windows 95 prompts you to install a device driver.

Since Windows 95 doesn't provide drivers to mount type 4 recorders as readers, choose Unsupported in the window that appears. (See Installing a Non-Plug & Play-Compatible Recorder, above.)

- ☐ If your recorder is a device type 5 recorder, Windows 95 installs it automatically and doesn't prompt you. (Make sure the Auto Insert Notification option is disabled. See installing Plug & Play-Compatible Recorder, above.)

Note: To verify whether the installation was successful, reboot your machine and check the system properties. If Windows doesn't find the CD recorder, run a system scan by choosing Add Hardware in the Control Panel. Be sure WinASPI32 is installed properly. If the recorder is still not recognized, contact Elektroson Technical Support.

Installing GEAR

1. Insert the GEAR CD into your CD drive or recorder.
2. Open the Win95NT folder.

3. Open the English, French, or German folder, depending on the version you want to install.
4. Double-click the setup.exe icon.
5. In the GEAR for Windows 95 Setup window, click the OK button.
6. The Setup icon appears. Click it to begin the installation.
7. In the dialogs that appear, indicate whether you want to install premaster tape and jukebox support.
8. Continue to follow the dialogs as they prompt you for additional information. When the installation is complete, a dialog appears to indicate the installation was successful.
9. Click OK to exit the installation program.
We recommend you read the ReadMe file. It welcomes you to Elektroson's GEAR and includes last-minute information that couldn't be included in the manual.
10. To open the ReadMe file, click the Start menu icon, locate GEAR in the Programs menu and double-click the ReadMe icon in the GEAR program menu.

Windows NT

Since Windows NT is supplied with an integrated SCSI IO driver, no additional third party adapter driver will be required. We successfully tested GEAR with the Adaptec, Buslogic, Future Domain, and Bustek adapters. In all cases, we tested the adapter with the integrated NT SCSI IO driver.

For information about setting up your hardware, see your hardware documentation.

Connecting Your Recorder

Installing a Non-Plug & Play-Compatible Recorder (Device Type 4, WORM)

Due to incompatibilities with device type 4 CD recorders and Windows NT SCSI drivers, type 4 recorders currently cannot be mounted as CD readers. Several third party utilities are currently under development. Please call Elektroson or your SCSI card manufacturer for updated information.

Note: If you have purchased a type 4 recorder and don't have a CD-ROM drive to install GEAR, you can purchase a 3.5 floppy upgrade pak for Windows 95 and NT for a nominal shipping and handling charge. Contact Elektroson Technical Support. For a list of device type 4 recorders, see the CD Recorder Compatibility List at the end of this chapter.

Installing a Plug & Play-Compatible Recorder (Device Type 5, CD-ROM)

If your recorder is a device type 5 recorder, Windows NT installs a CD-ROM driver automatically since Windows NT recognizes device type 5 recorders as CD-ROM drives. When using a device type 5 recorder to record CD's with GEAR, you should always set the device to Manual mode and reboot the computer after installation. This will disable the driver conflicting with GEAR.

To disable the CD reader driver, please go to the Control Panel and select Devices:

- ☐ Change Startup to Disabled (disable SCSI CD ROM driver)
- ☐ Reboot your computer

Note: At this time once the CD reader driver is disabled under Windows NT you will no longer be able to use or mount any CD ROM drive when using GEAR with your CD recorder. You must re-enable the CD ROM driver after the recording process to mount CD's.

If you use a device type 5 recorder to install GEAR from the installation CD, do not set the device to Manual mode until the installation is complete. For a list of device type 5 recorders, see the CD Recorder Compatibility List at the end of this chapter.

1. To connect your CD recorder, shut down your system and connect your recorder to your SCSI host adapter.
2. Restart Windows NT with your recorder turned on.
 - ☐ If your recorder is a device type 4 recorder, Windows NT does not install or prompt you to install a device driver. (See Installing a Non-Plug & Play-Compatible Recorder, above.)
 - ☐ If your recorder is a device type 5 recorder, Windows NT installs it automatically and doesn't prompt you. (Please make sure to disable the NT driver for CD-ROM support when using GEAR to record CD's. See installing Plug & Play-Compatible Recorder, above.)

Installing GEAR

1. Insert the GEAR CD into your CD drive or recorder.
2. Open the Win95NT directory to install GEAR for Windows NT.
3. Open the English, French, or German directory, depending on the version you want to install.
4. Double-click the setup.exe file.
The GEAR setup screen appears.
5. Click Continue.
6. Enter your name, company name, and registration number in the dialog that appears, then click Continue.

7. As the installation proceeds, you are prompted to enter additional information, such as where to install the program, what SCSI adapter to use, and whether to install tape or juke-box support.

Select the options you want to use and click Continue in each dialog that appears.

8. When the installation is complete, click OK in the dialog that appears.

The GEAR program group appears on your screen.

We recommend you read the ReadMe file. It welcomes you to Elektroson's GEAR and includes last-minute information that couldn't be included in the manual.

9. To open the ReadMe file, double-click its icon in the GEAR program group.

Windows 3.1 and Windows for Workgroups

Under Windows 3.1 only, your config.sys file should contain the following settings:

- ☐ Files = 20
- ☐ Buffers = 40
- ☐ The driver for the SCSI controller should match your SCSI card—for example, Device = aspi4dos.sys /d. (Refer to your card installation documentation for additional information.)

Under Windows 3.1 GEAR requires ASPI, WinASPI, or CAM SCSI driver to operate the CD recorder. Most SCSI card adapters will include one of the above drivers. If you do not have a SCSI interface driver you can install an ASPI compatible driver from the optional GEAR CD Driver Utility disk. (See Appendix H for Installation and Operation of the driver utility)

For information about editing your config.sys file, refer to your MS-DOS documentation.

Connecting Your Recorder

1. To connect your CD recorder, shut down your system and connect your recorder to your

SCSI host adapter.

- ☐ Since Windows 3.1 does not include integrated SCSI or CD reader drivers, device type 4 and device type 5 recorders will require a third party driver for reader support. GEAR includes an optional CD Driver Utility disk with CD reader drivers that can be installed for most CD recorders, both device type 4 (WORM) and device type 5 (CD-ROM). Please see Appendix H for installation and operation of the driver utility.

2. Restart Windows with your recorder turned on.

***Note:** If your recorder isn't seen when you start your computer, you won't be able to use your CD recorder as a CD-ROM drive. Verify that your hardware connections and device driver installation are correct.*

Installing GEAR

1. Insert the GEAR CD into your CD drive or recorder.
2. Open the Windows directory to install GEAR for Windows 3.1 or Windows for Workgroups.
3. Open the English, French, or German directory, depending on the version you want to install.
4. Double-click the setup.exe file.
The GEAR setup screen appears.
5. Click Continue.
6. Enter your name, company name, and registration number in the dialog that appears, then click Continue.
7. As the installation proceeds, you are prompted to enter additional information, such as where to install the program, what SCSI adapter to use, and whether to install tape support. Select the options you want to use and click Continue in each dialog that appears.

8. When the installation is complete, click OK in the dialog that appears.
The GEAR program group appears on your screen.
We recommend you read the ReadMe file. It welcomes you to Elektrosen's GEAR and includes last-minute information that couldn't be included in the manual.
9. To open the ReadMe file, double-click its icon in the GEAR program group.

OS/2 Warp

The following sections include information about configuring your recorder and installing GEAR for OS/2 Warp.

Connecting Your Recorder

Installing a Non-Plug & Play-Compatible Recorder (Device Type 4, WORM)

Due to incompatibilities with device type 4 CD recorders and OS/2 SCSI drivers, type 4 recorders currently cannot be mounted as CD readers. Several third party utilities are currently under development. Please call Elektrosen or your SCSI card manufacturer for updated information.

Note: *If you have purchased a type 4 recorder and don't have a CD-ROM drive to install GEAR, you can purchase a 3.5 floppy upgrade pak for OS/2 for a nominal shipping and handling charge. Contact Elektrosen Technical Support. For a list of device type 4 recorders, see the CD Recorder Compatibility List at the end of this chapter.*

Installing a Plug & Play-Compatible Recorder (Device Type 5, CD-ROM)

If your recorder is a device type 5 recorder, OS/2 installs a CD-ROM driver automatically since OS/2 recognizes device type 5 recorders as CD-ROM drives. When using a device type 5 recorder to record CD's with GEAR, you should always disable the OS/2 CD-ROM device driver from the SCSI ID that the recorder occupies, and reboot the computer after installation.

This will disable the CD reader driver from conflicting with GEAR during the recording process.

To disable the CD reader driver, please edit the OS/2 configuration file as follows:

- ☐ REM out the line containing the following driver statement; OS2 CDROM.DMD
- ☐ Reboot your computer

Note: *At this time once the CD reader driver is disabled under OS/2 you will no longer be able to use or mount any CD ROM drive when using GEAR with your CD recorder. You must re-enable the CD ROM driver after the recording process to mount CD's.*

If you use a device type 5 recorder to install GEAR from the installation CD, do not disable the OS/2 CD-ROM driver from the recorder ID until the installation is complete. For a list of device type 5 recorders, see the CD Recorder Compatibility List at the end of this chapter.

1. To connect your CD recorder, shut down your system and connect your recorder to your SCSI host adapter.
2. Restart OS/2 with your recorder turned on.
 - ☐ If your recorder is a device type 4 recorder, OS/2 does not install or prompt you to install a device driver. (See Installing a Non-Plug & Play-Compatible Recorder, above.)
 - ☐ If your recorder is a device type 5 recorder, OS/2 installs it automatically and doesn't prompt you. (Please make sure to disable the OS/2 driver for CD-ROM support when using GEAR to record CD's. See installing Plug & Play-Compatible Recorder, above.)

Installing GEAR

1. Insert the GEAR CD into your CD drive or recorder.
2. Open the OS2 directory to install GEAR for OS/2 Warp.
3. Open the English directory.
4. Double-click the setup.exe file.
The GEAR setup screen appears.
5. Click Continue.
6. Enter your name, company name, and registration number in the dialog that appears, then click Continue.
7. As the installation proceeds, you are prompted to enter additional information, such as where to install the program, and whether to install jukebox and tape support.
Select the options you want to use and click Continue in each dialog that appears.
8. The installation then prompts you to create a workplace shell and to update the config.sys file. In each dialog, click Yes or No.
9. When the installation is complete, click OK in the dialog that appears.
The GEAR program group appears on your screen.
We recommend you read the ReadMe file. It welcomes you to Elektroson's GEAR and includes last-minute information that couldn't be included in the manual.
10. To open the ReadMe file, double-click its icon in the GEAR program group.

Mac OS

The following sections include information about configuring your recorder and installing GEAR for Mac OS.

Connecting Your Recorder

1. To connect your CD recorder, shut down your system and connect your recorder to your SCSI connector.
 - ❑ Since Mac OS does not include integrated CD recorder reader drivers, device type 4 and device type 5 recorders will require a third party driver for reader support. GEAR offers an optional FWB CD ROM Toolkit with CD reader drivers that can be installed for most CD recorders, both device type 4 (WORM) and device type 5 (CD-ROM). Please see Appendix I for installation and operation of the driver utility in the online documentation.
2. Restart your Mac with your recorder turned on.

Installing GEAR

1. Insert the GEAR CD into your CD drive or recorder.
2. Open the MacOS folder.

Note: If you want to use your CD recorder as a CD-ROM drive, install the optional FWB CD-ROM ToolKit. See appendix I. If you can't load your CD, contact Technical Support.

3. Open the English, French, or German folder, depending on the version you want to install.
4. Double-click the installer icon.

We recommend you read the ReadMe file. It welcomes you to Elektroson's GEAR and includes last-minute information that couldn't be included in the manual.

5. To open the ReadMe file, double-click the ReadMe Icon in the GEAR for MacOS folder.

Check the CD for a Complete Online User's Guide