Quick and Easy Installation

Too busy to read manuals? Have experience installing hardware and software on PCs? This card is for you!

This card provides basic instructions for installing the AccelR8 hardware and software. It is divided into six sections.

<table>
<thead>
<tr>
<th>Page</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/3</td>
<td>How to install the AccelR8 card in your PC.</td>
</tr>
<tr>
<td>4/5</td>
<td>How to install and configure the AccelR8 software for Windows NT</td>
</tr>
<tr>
<td>5</td>
<td>How to remove the AccelR8 from your system</td>
</tr>
<tr>
<td>6</td>
<td>How install the AccelR8 QuickAccess On-Line User Guide.</td>
</tr>
<tr>
<td>7</td>
<td>How to get software upgrades</td>
</tr>
<tr>
<td>8</td>
<td>Other Information: How to Get Help, and Support and Sales Info.</td>
</tr>
</tbody>
</table>

Important!

If you use these basic instructions, it is assumed that you have experience installing software in personal computers. The AccelR8 installation requires a separate VGA or other video card to provide video until the application using the card starts.

See Installing the AccelR8 Card, step 5 for more information.

If you need more information than is shown here, see the AccelR8 User's Guide and/or your PC user's manual. Each step in this guide is explained and illustrated in detail in Chapters 2 and 3 of the AccelR8 User's Guide. You can refer to it for any or all steps. If you need help, see the last page on this card and the section titled "Getting Help" near the front of the AccelR8 User's Guide.

The examples in this guide show a "tower case" PC. The instructions are similar for a desktop ("flat") unit.

Part Number 345-1214-01
Copyright ©1996 AccelGraphics, Inc. All rights reserved.
Printed in USA
How to Install the AccelR8 Card


Save files, exit applications, and make backups as needed. Then turn off the power on your PC and all peripherals connected to it.

Leave the PC plugged in, but NOT turned on. Touch the back or other unpainted metal on the PC for at least one second. This will discharge any static electricity buildup you may have and help prevent damage to the card.

Unplug the power cord and the monitor video cable from the back of the PC. Disconnect other cables as needed and remove the cover. See your PC user's manual for safety precautions and instructions for removing the cover if needed.
Remove the card from its static-protective bag. Install the AccelR8 in the master PCI slot in the PC. See your PC manual for detailed instructions on how to add PCI options, and/or see Chapter 2 in the AccelR8 User's Guide.

The AccelR8 cards do not contain VGA circuitry. Therefore, a VGA or other video card is required with the cards to provide video until the driver boots the card at Windows NT startup.

Replace the cover. Then connect the video pass through cable from the VGA or other video output connector to the AccelR8 input connector and the monitor video cable from the AccelR8 output connector to the high-resolution monitor.

Reconnect all remaining cables, then turn the PC and monitor power back on. Turn on other peripherals as needed.
Install the Software

1. Boot your PC and start Windows NT.
2. Put the AccelR8 driver disk in the 3-1/2” drive.

Caution
Make sure you have the right disk. The disks are platform-specific and independent. The wrong driver will hang Windows NT.

3. From the Program Manager, select the Main group, then Control Panel, then Display. This will show the display driver window.
4. Select Change Display Type and then Change.
5. Select OTHER, and then enter the letter of the 3-1/2 inch floppy drive in your system. Example: A:\
6. A list of driver options is displayed. AccelGraphics recommends that you select the following double buffered driver to start: AccelR8 Rel-n.n 1024x768 8bpp, double buffered, 70 Hz. The n.n is the release number and will change. NOTE: A double buffered driver is required for most applications (Pro/JR, etc) to use OpenGL.
7. Select INSTALL to install the driver, and then Yes, to confirm the system configuration change.
8. Edit the path if needed and select Continue to install the drivers.
9. Select OK to the “Successfully Installed” message, and OK to the note about dynamically restarting Windows.
10. Restart Windows NT to have the new display driver take effect (the PC will reboot automatically).
11. The installation script creates an AccelGraphics program group and places icons for the AccelPanel, the release notes, the FAQ, and the BBS info in this group.

Test the Installation

The AccelR8 software for Windows NT includes a test to verify the software installation. To run this test:

1. Select the accelpanel icon from the AccelGraphics group.
2. The AccelGraphics Information window is displayed. This window contains several fields. They should all contain valid information. If any information appears scrambled or if any fields are empty, or say “not available” the installation or installation disk may be bad. Reinstall the s/w and retest it as above. If the information is still bad, call your authorized AccelGraphics reseller for support.

(Continued, next page)
### Installing the AccelR8 Software (continued)

#### 3 Configure Applications

To use the AccelR8, most applications running under Windows NT must be set up, generally with a configuration file, as in the following procedure.

**Pro/JR:**

To get the best performance out of PRO/JR with the AccelR8, edit the file `config.pro` and insert the lines as shown below. This file is user-created and may not already be on your disk. If you need to create it, put it in the either the main Pro/JR directory or the directory from which you run Pro/JR. Note that if you run the application from a directory which contains a `config.pro` file, that file will be used instead of the system `config.pro` file.

1. **Use a double-buffered driver** as shown in step 6 on page 5.

2. **Edit the `config.pro` file** in the `txt` subdirectory of the main Pro/JR directory, or `config.pro` in your home directory and add the following lines:
   ```
   graphics opengl
   
   We recommend that you can also add the following optional lines:
   ```
   ```
   windows_scale .92
   menu_horizontal_hint right
   thermo_position_hint no_window_overlap
   ```

3. **Exit and restart Pro/JR.** Just as you must restart Windows NT to use a new display driver, you must restart Pro/JR to start a new graphics mode. You cannot use the Load Config menu item to do this.

### Removing an AccelR8 From Your System

Occasionally you may need to remove your AccelR8 from your system (to install in another system, etc.). Follow the steps below to do this.

#### 1 Change Display Drivers

1. From the Windows NT Control Panel, select Display, and change the display type to a driver other than an AccelGraphics driver.

2. Restart Windows NT. Otherwise, it will still attempt to use the AccelR8 card.

3. Shut down Windows NT.

#### 2 Remove the Card

1. Turn off the PC and power to all peripherals connected to it.

2. Remove the AccelR8 card from the machine.

3. Store the card in a plastic bag or on antistatic surface.
How to Install the User Guide

1. If not already running, boot your PC, start Windows NT, and put the AccelR8 documentation disk #1 in the 3-1/2" drive.

2. From the File Menu, select Run and then type a:\setup (or b:\setup if the drive is B). The setup program will take a few seconds to load.

3. Click on Next to go to the next screen.

4. The default directory for the users guide is (drive: \<windows NT dir>\agi. If you have installed the AccelR8 drivers, this directory will already exist. If not, this install program will create it. Select Next to use this directory name and go to the next screen.

5. The install program shows the name of the Acrobat Reader directory, (drive: \<windows NT dir>\acroread. You must use this name.

6. IMPORTANT! READ THE Adobe Systems Acrobat Reader License Agreement included with the disks. Click on Cancel if you do not agree with the terms of this agreement. If you agree to the terms of this agreement, click on next and go the the next screen.

7. The install program shows default the name of the AccelGraphics program group. If you have installed the AccelR8 drivers, this group will already exist. If not, the install program will create it. Select Next to use this directory name and go to the next screen.

8. Select Next to use all the above settings and install the files.

9. The first disk will install very quickly. When it has finished installing, you will be prompted to put Disk #2 in the drive. Select next to continue.

Using the On Line Users Guide

1. To open the AccelR8 User's Guide, just double click on the User's Guide icon in the AccelGraphics Program Group. The title page of the manual is displayed. It includes three important links to information inside the manual:
   - The QuickAccess Table of Contents
   - How to use the online manual
   - How to print the manual.

   Simply click on the topic to display the contents or directions.

2. If needed, resize the part of the column that holds the bookmarks by clicking on the dividing line, holding the mouse button down, and dragging the line to the right. Then click on View -> Fit Page or the Fit Page icon.

3. In addition to the "How to use the online guide" above, select Help in the Acrobat Reader menu bar for further instructions on how to use it.
How to Upgrade the AccelGraphics Software

Software upgrades are available from the AccelGraphics BBS, FTP, and WWW Sites. For detailed information, click on BBS.TXT in the AccelGraphics Program Group or see Appendix B of the AccelR8 User's Guide.

1 Using the BBS

The modems attached to the BBS will connect to modems running at rates from 300 to 14,400 Baud. Set your modem software to N-8-1. See the last page of this card for the BBS phone number.

Log On
1. First time: Enter account information, including your name, company name, address and phone number, and a username and password of your choice to establish an account. Then you may download released software and drivers.

2. Second and subsequent times: You need to enter only your username and password to log on before downloading files.

List Available Files
The released software is all in a library called MAIN. To list the files in this library: At the top menu, type LFFA (lower case OK) and press [Enter] twice.

Download Files
The easiest way to download files is to display the list of available files (step 3), select the one(s) you want to download, select an appropriate protocol, and start the download.

To Download One File:
1. Type the letter of the file you want to download and press [Enter] or use the up-arrow and down-arrow keys to highlight the file.

2. Enter Ctrl-D to download the highlighted file. A menu listing the available protocols for downloading is displayed.

3. Choose the protocol you want to use. Type the letter to the left of the protocol name and press [Enter]. The file is now downloaded to your system.

To Download Multiple Files:
1. Move the highlight to each file you want to download. While each file is highlighted, press the space bar to tag it. When you tag a file, an asterisk (*) will be shown on both sides of the file name.

2. When you have tagged the files desired, enter Ctrl-T to download all of them at once. When you enter Ctrl-T, a menu listing the available protocols for downloading is displayed.

3. Choose the protocol you want to use. Type the letter to the left of the protocol name and press [Enter]. The file is now downloaded to your system.

2 Using the WWW Site

1. Connect to http://www.ag3d.com

2. Select the Technical Page for drivers

3. Select the driver you want and follow the directions on the screen.

3 Using the FTP Site

See the instruction in BBS.TXT or Appendix B of the User Guide.
### Other Information

#### AccelR8 Support

AccelGraphics supports its products in multiple ways:

- **Your AccelR8 dealer. Contact your dealer first for help with any problem with your AccelR8.**

- If your AccelR8 dealer cannot solve the problem, they should contact the **AccelGraphics Customer Support Department** for help.

- The **AccelGraphics WWW Site, FTP Site, and PC Bulletin Board System** (latest s/w drivers and other information, all free).

- See the previous page and Appendix D in the **AccelR8 User’s Guide**.

- The **AccelGraphics Sales**

#### Reporting a Problem

When contacting your authorized reseller, please provide the following information to help quickly resolve the problem you are reporting:

- Name of your organization.
- Your department.
- Your name and phone number.
- Your PC make and model number.
- CPU type (486, Pentium, Pentium Pro, Alpha, MIPS).
- BIOS make and version (AMI, Phoenix, Award, etc.).
- OS version: (Windows NT 3.5, 3.51, Windows 95).
- MB of RAM (16, 32, 64, 128, etc.).
- AccelGraphics product model number.
- Dealer name and phone number (if reporting the problem directly to AccelGraphics).
- Description of problem / enhancement request, etc.

### Getting Help

The following table lists AccelGraphics' address and phone numbers.

<table>
<thead>
<tr>
<th>Customer Support, AccelGraphics, Inc.</th>
<th>1942 Zanker Road</th>
<th>San Jose, CA 95112-9704</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Sales</strong></td>
<td>(800) 444-5699</td>
<td><strong>Support</strong>: (408) 441-1582</td>
</tr>
<tr>
<td><strong>FAX</strong>: (408) 441-1599</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>INTERNET</strong>: <a href="http://www.ag3d.com">http://www.ag3d.com</a></td>
<td><a href="mailto:info@ag3d.com">info@ag3d.com</a></td>
<td><a href="mailto:support@ag3d.com">support@ag3d.com</a></td>
</tr>
<tr>
<td><strong>BBS</strong>: (408) 467-5067</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### AccelGraphics Regional Sales Offices

(Sales, product, and application info only)

**USA**
- Western: Kim Rawlings (714) 589-2453
- Central: Dan Vitale (513) 858-1400
- Northeast: Bill Cannon (908) 832-6966
- Southeast: John Caravello (407) 834-7275
- Factory: San Jose, CA (800) 444-5699

**EUROPE**
- England: David Holman 44-1635-40122
- Germany: Uwe Włoczyk 49-611-22039

**FAR EAST**
- Call AccelGraphics (800) 444-5699