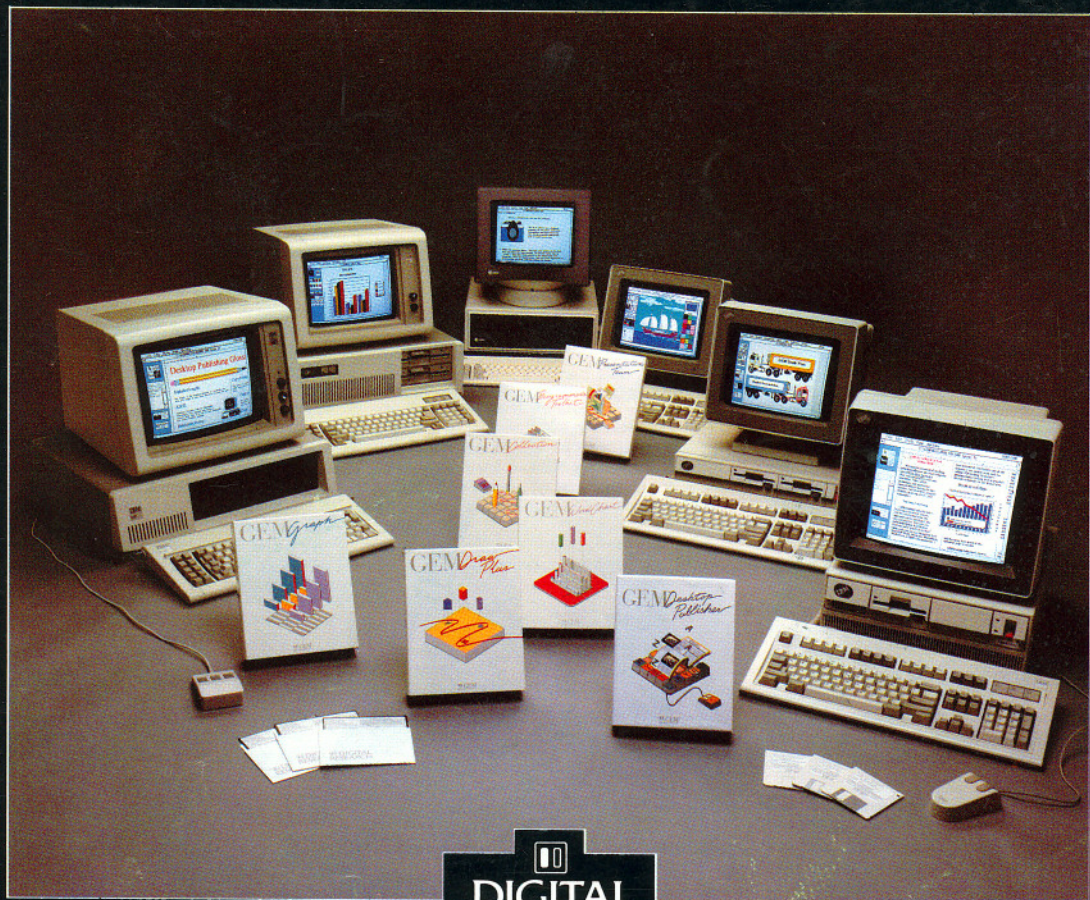


# Introducing The GEM™ Publication and Presentation Graphics Team



  
DIGITAL  
RESEARCH

## Introduction

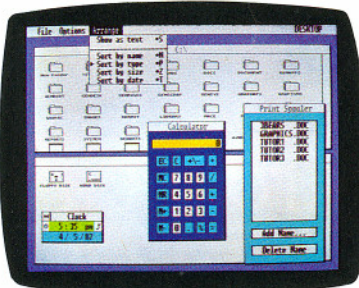
Welcome to the GEM Publication and Presentation Graphics Team from Digital Research®. The GEM software family of microcomputer graphics applications lets you take full advantage of the graphics capabilities of your personal computer.

GEM software applications are easy to use. You don't have to memorize confusing commands and even more confusing syntaxes. To perform a task or execute a command, you simply move the cursor arrow to an area of your screen and press a key. Making selections is even easier if you have a pointing device such as a mouse or graphics tablet.

As an integrated family of software products the GEM Publication and Presentation Graphics Team provides you with a complete solution to your graphics needs. Some applications allow you to create attractive designs and pictures. Others help you in creating professional-looking presentation materials and impressive reports. Since all GEM applications look and operate in the same manner, using one GEM application helps minimize the time required to learn another. So you become productive in creating high-impact graphics with less effort.

Best of all, GEM applications work together. Enhance a bar graph you created in GEM Graph™ by giving it a border from the GEM Draw Business Library™. Embellish the agenda you outlined in GEM WordChart™ by increasing the text size for your overhead presentation with GEM Draw Plus™. With the GEM Collection™ (GEM Paint™ and GEM Write™) you can insert your GEM Draw Plus pictures into your GEM Write documents and edit your pictures at the pixel level using the GEM Paint Snapshot accessory. The GEM Desktop Publisher™ lets you combine text and graphics in professional-quality documents.

And as new software products are added to the GEM Publication and Presentation Graphics Team you can rest assured knowing that your software investment today won't be obsolete tomorrow.



# GEM Desktop™

GEM Desktop is the cornerstone to all of your GEM applications. It's the shell that makes your system easy to use.

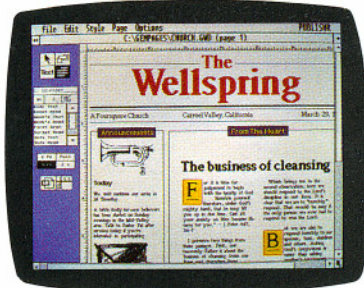
When GEM Desktop is installed on your screen, it simulates an electronic desktop. Drop-down menus let you access a calculator, calendar, or alarm clock at the touch of a button. A typewriter in the form of an icon image appears on-screen, representing your word processing application. An artist's palette represents your GEM Paint application. To run a program, you simply point and click on the icon image that you have assigned to it.

Icons in the form of floppy diskettes let you know which disk drives are currently available for your use. To view the contents of the disk on a particular drive, you simply point and click on the icon image.

What follows is a picture image of your disk contents which you can move, copy, delete or manipulate as you see fit.

A menu bar at the top of your screen lets you visually select from a wide range of system commands. However, should you have the need to go back to your disk drive prompt, GEM Desktop allows you quick and easy access.

Everything you see when GEM Desktop is running (icons, drop-down menus and desk accessories) also appears when you use any of the applications in the GEM family. GEM Desktop is bundled with every GEM Publication and Presentation Graphics Team package.



# GEM Desktop Publisher™

GEM Desktop Publisher gives you a way to create professional-quality publications, right on your personal computer. It's like having a small print shop on your desk, but without the expense and clutter.

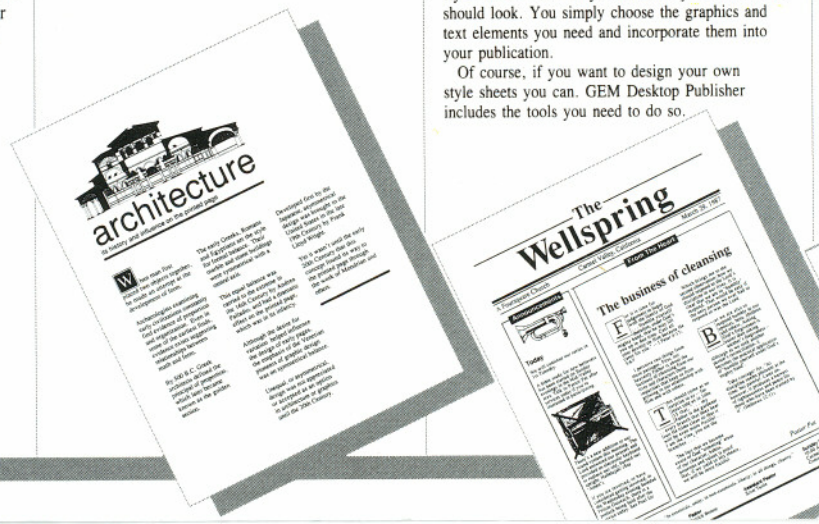
You can easily incorporate images you create with GEM Draw Plus, include graphs and charts from GEM Graph and GEM WordChart, pour-in text from GEM Write, and even include paintings from GEM Paint. GEM Desktop Publisher helps you blend all of these elements together and then organize them into professional-quality brochures, newsletters, books, manuals, reports and other publications.

GEM Desktop Publisher also accepts input from sources other than the GEM family of applications. For example, you can incorporate text from word processing programs, such as WordPerfect®, MultiMate®, WordStar®, and IBM® DisplayWrite®, as well as text in DCA and ASCII formats. You can also enter text directly into GEM Desktop Publisher from your keyboard.

There's no guess-work when you are using GEM Desktop Publisher because the display screen shows you exactly what your document looks like while you are creating it. To edit the document, you make changes to the layout on the screen and you see the effect of those changes immediately.

You don't have to be a designer or graphic artist to use GEM Desktop Publisher because style sheets do much of the work for you. GEM Desktop Publisher contains an assortment of style sheets to help you be productive almost immediately. The style sheets consistently define how your documents should look. You simply choose the graphics and text elements you need and incorporate them into your publication.

Of course, if you want to design your own style sheets you can. GEM Desktop Publisher includes the tools you need to do so.





## GEM Draw Plus™

GEM Draw Plus is one of the most sophisticated and powerful drawing packages ever designed for personal computers. It has many of the features you'd expect to find in more expensive CAD/CAM software packages.

GEM Draw Plus is for anyone who has the desire or need to express ideas visually. It helps you quickly and easily design anything from a simple floorplan to a sophisticated architectural building.

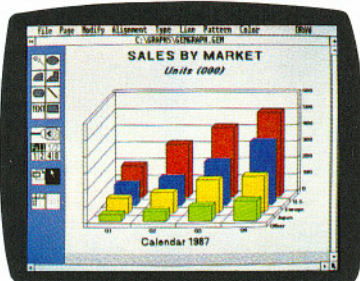
With GEM Draw Plus, you can create drawings by combining various objects like rectangles, lines, polygons, circles, and text. You can duplicate, rotate, magnify, and re-scale your drawings with the click of a mouse.

Depending upon your system configuration you can even add color to your image before printing it to a variety of supported output devices. Choose from over 39 fill patterns, 7 line widths, 8 line styles, and 48 text styles ranging from 7 pts. to 72 pts.

If drawing isn't your talent, no one need ever know. You can select pictures from over 100 pre-programmed images contained in the GEM Draw Plus picture library. You can combine all or parts of pictures with your own creations. With GEM Draw Plus you don't have to be a graphics designer to create your first drawing.

You may want to enhance your GEM Draw Plus picture library with the GEM Draw Business Library. It contains organization chart templates, page borders, flow chart symbols, and many other symbols specifically designed for business use.

By combining and modifying drawings from the GEM Draw Business Library, you can quickly and easily create attractive, professional-quality presentation graphics. Use the pictures just as they are, or use GEM Draw Plus to further enhance your drawings. You'll be astounded with the added attention your finished artwork receives.



## GEM Graph™

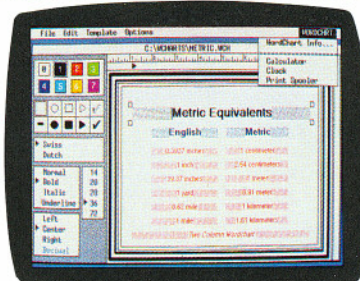
GEM Graph helps you create attractive, professional-quality graphs in minutes. With a wide assortment of graph-styles to select from, you're sure to find just the right one for presenting your information in an understandable form. Among the many graph-styles available with GEM Graph are pie-charts, three-dimensional-looking bar graphs, simple line graphs, clustered bar graphs, symbol charts and more.

You can even chart information using maps provided with GEM Graph. You can incorporate ready-made symbols of airplanes, boats, automobiles, and the like, or generate symbols yourself that are suited to your business project or profession using GEM Draw Plus.

Creating graphs is as simple as entering text from your keyboard into a specific area of your graph. To view the information in a different graph-style, just point and select the style you want to see. Your information transfers over instantly.

If you have a spreadsheet program like Lotus™ 1-2-3® or Symphony®, you can load the information from that program directly into GEM Graph and chart it in any of the graph-styles previously mentioned. GEM Graph also accepts information from several other programs, including dBASE™ III®.

With GEM Graph you can make your graphs as simple or complex as you like. Choose from several different text styles and sizes. Select from a wide variety of fill patterns and colors. You can even make your graphs look three-dimensional. And since GEM Graph supports numerous output devices, you can use your graphs to enhance documents, letters, slides, even overhead presentation foils.



## GEM WordChart™

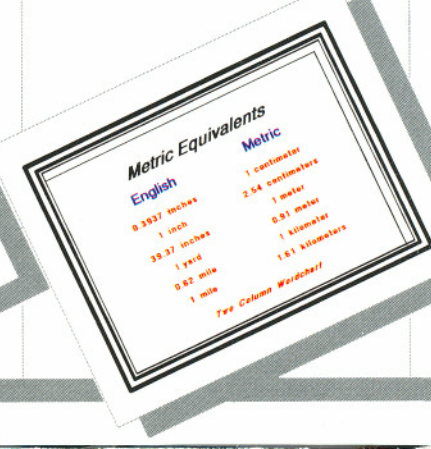
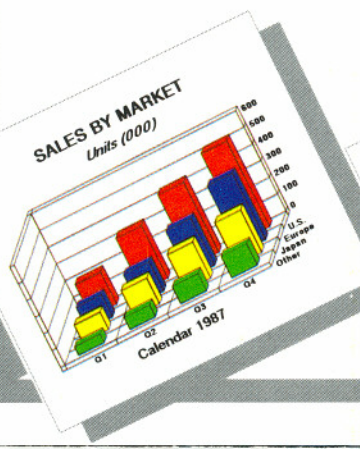
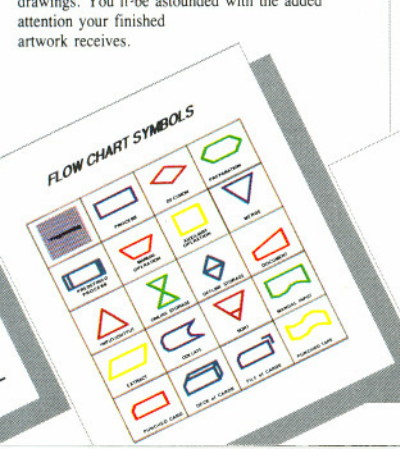
GEM WordChart helps you organize, emphasize, and present your ideas using dynamic, professional wordcharts. Create an agenda. Express a trend. Dramatize an idea. With GEM WordChart it's easy to put your words into impressive charts in a matter of minutes.

To use GEM WordChart, simply choose one of the many available templates, type your information on the keyboard, and, depending upon your output device, print your creation in crisp black & white or in color. It will look like you had a staff of designers and secretaries working overtime to produce your charts.

If you want, you can enhance your wordcharts in a variety of ways, by incorporating different text styles, sizes, patterns and colors. You can also customize special formats to use over and over again.

Since GEM WordChart uses visual commands, you'll see words appear in boldface, italics, even underlined. You can add a ready-made border or create your own using GEM Draw Plus or the GEM Draw Business Library.

When your chart is just the way you want it, GEM WordChart lets you print it just the way you need it. GEM WordChart will help you present your ideas quickly and easily on paper or overhead transparencies.



# GEM Presentation Team™

GEM Presentation Team combines three of the best-selling GEM applications (GEM Draw Plus, GEM Graph, and GEM WordChart) into one powerful presentation graphics package. This unique combination of products provides a total graphics solution for the serious presentation user.



## GEM Draw Plus

GEM Draw Plus lets you transform your ideas into colorful, exciting pictures. It's a versatile drawing program that lets you create professional charts, diagrams, and illustrations quickly and easily.

Create pictures by combining geometric elements like arcs, circles, rectangles, polygons and lines. If you prefer, draw your own freehand sketches. GEM Draw Plus does what you want, when you need it, on command.

Imagine being able to draw high-quality graphics right at your desk. Flow charts, logos, organization charts, office floorplans, and schematics can now come to life on your own computer screen. With GEM Draw Plus you'll find work that was once tedious and time-consuming is now gratifying and productive.

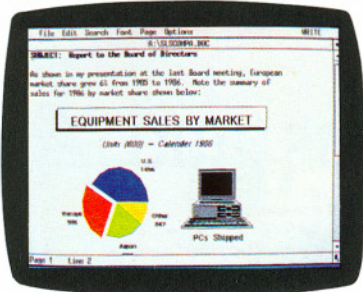
## GEM Graph

GEM Graph lets you present your information as colorful, multi-faceted, three-dimensional-looking graphs. Select from a variety of different kinds of graphs, including bar and line graphs, pie charts, and maps that use symbols like automobiles or airplanes. They're all ready-made and design perfect. Present your graphs on transparencies, printed documents or slides as they appear on your computer screen. With GEM Graph, your good work won't go unnoticed.

## GEM WordChart

GEM WordChart helps you create those all-important text and bullet charts, as well as the slides that are required in just about every presentation. While others continue to make ordinary, typewritten wordcharts, you can emphasize and present your words in dynamic, visual form.

Create anything from a simple agenda for today's meeting to a complex table for your marketing plan. GEM WordChart helps you communicate with clarity and impact. Best of all, GEM WordChart integrates with GEM Draw Plus and GEM Graph to allow you to create almost any type of visual graphic called for your presentation.



# GEM Collection™

GEM Collection is a sophisticated word processor (GEM Write) and colorful paint program (GEM Paint) wrapped into one. This unique combination allows you to merge text and graphics and create documents that have an extra-special added visual impact. (This product is not available on 3½ inch media.)

## GEM Write

GEM Write is a powerful word processing program which lets you incorporate diagrams, graphs, charts, logos, and pictures from other GEM applications directly into your document. Based on Volkswriter® Deluxe™ by Lifetree Software Inc., GEM Write offers flexibility and ease of use.

With GEM Write, you don't have to memorize confusing format commands. When you underline, italicize, or boldface part of your document, you see those attributes as they appear on screen in your document. And GEM Write gives you all of the standard features you'd expect in a word processor like cut and paste capabilities, search and replace, multiple text styles, sizes, page formats and more.

Move a paragraph, insert a character, copy a line, center text, or even delete an entire page at the click of a button. GEM Write gives you remarkably fast movement through your document. An on-screen, step-by-step tutorial will have you producing documents in no time at all.

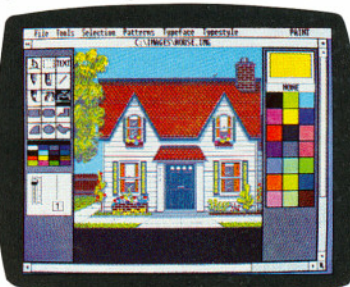
## GEM Paint

With GEM Paint you can create just about any design or picture imaginable, directly on your screen. GEM Paint turns your personal computer into an artist's canvas. But you don't have to be an artist or painter to effectively use GEM Paint.

Paint circles and polygons. Fill areas of your painting with a variety of patterns and colors. Use a visual spray can, paint brushes, and pencil to achieve the effects you want. And if you make a mistake, or don't like what you created, press a key to undo your painting or use the eraser to correct it.

You can even add text to your paintings by selecting the style and size you want and then entering the text directly from your keyboard. GEM Paint has a microscope feature which allows you to magnify your painting to work on details, pixel by pixel. You can even create your own fill patterns.

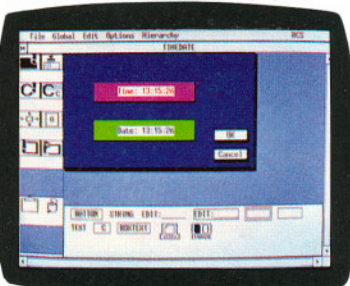
GEM Paint also comes with a special desk accessory called Snapshot that operates like a camera. Snapshot allows you to take a graphic picture from any GEM application screen and manipulate that image at the pixel level. Once your painting is enhanced, it can be stored and incorporated into GEM Write to produce a professional-looking document.



# GEM Programmers Toolkit™

The GEM Programmer's Toolkit contains all the GEM tools you need to develop your own GEM applications. Designed for the serious program developer, GEM Programmer's Toolkit contains a complete set of tools and interfaces which allow your applications to use the GEM software interfaces.

With the GEM Icon Editor you can design your own icons. Construct menus and operator dialogues with the GEM Resource Construction Set. Call up GEM functions through a high level language binding or directly from assembly language. Finally, use the Symbolic Debugger to test, verify and fine tune your GEM application software program.



# Questions and Answers

The exchange of information within small, medium and large organizations is essential to their success. Today microcomputers can be used to enhance presentations and publications with computer graphics. Digital Research supplies several high-quality, easy to use GEM presentation and publication graphics packages.

## What is GEM?

GEM is an extension to DOS that enhances your computer's ability to produce high-resolution graphics, in up to 16 colors if you have the appropriate system components. GEM also provides a visual-based interface for the computer user and supports the use of a mouse as a pointing device.

## What is unique about the GEM product family?

GEM applications are a family of easy to use graphics-oriented packages, which can be used individually or as an integrated set, for producing high quality presentations and publications.

## What products are in the GEM product family?

GEM Desktop, GEM Draw Plus, GEM Graph, GEM WordChart, GEM Collection (which includes GEM Paint and GEM Write), GEM Desktop Publisher, and GEM Programmer's Toolkit are our current product offerings. Additionally, several software companies produce GEM-based applications.

## What is GEM Desktop?

GEM Desktop is the graphics interface that makes your system easy to use. GEM Desktop comes with every GEM product.

## Which computers can run GEM applications?

GEM runs on IBM PC and Personal System/2 computers and on 100% compatibles, and on those computers where the manufacturer supplies the GEM system software.

## What else do I need to run GEM applications?

Each GEM application includes all the relevant software and documentation you need to get started. Many users already have graphics capabilities on their systems. If you don't, you will need to obtain a graphics card that provides the type of graphics you desire. For monochrome displays you may use an IBM® Color Graphics Card, a Hercules® high resolution monochrome graphics card, or any one of the many other high resolution graphics cards that GEM supports. For high resolution color graphics you might choose the IBM Enhanced Color Card or the AT&T® DEB card. A mouse is recommended, although keyboard support is provided.

## Is 3½" media available for GEM applications?

Most of our GEM applications are available on both 5¼" and 3½" media.

## Do I need a mouse?

GEM applications can be used with cursor keys but a mouse is recommended for ease of use.

## Will GEM Desktop Publisher work on my dual floppy PC, or will I have to purchase new hardware?

GEM Desktop Publisher, like other GEM applications from Digital Research, works on the IBM PC, PC/XT, PC/AT, 3270 PC and 100% compatibles and on all of the IBM Personal System/2 series with 512K memory. A hard disk is recommended for extensive use.

## Does GEM Desktop Publisher support color text and graphics?

Yes, GEM Desktop Publisher supports color text and graphics, with the same requirements as the other GEM applications from Digital Research.

## Will GEM Desktop Publisher automatically flow text around my pictures?

Yes. When you place a picture on a page, the text automatically flows around it. You can move the picture until you get it positioned just right, and the text automatically re-flows around it.

## Can I use GEM Desktop Publisher to manipulate individual pages as well as long documents?

GEM Desktop Publisher allows text to flow from page to page throughout your document. If you want an individual page to have a different format, you can format the page as you wish.

## Does GEM Desktop Publisher support input from any other third-party packages?

Yes. GEM Desktop Publisher accepts input from any package that supports the GEM image file format (.IMG) and the GEM graphics metafile (.GEM). This includes DRI-developed and third-party GEM applications, as well as some non-GEM products.

## Why would I use GEM Draw Plus?

Use GEM Draw Plus to produce logos, flowcharts, floor layouts, schematics, illustrations, circuit diagrams and borders for wordcharts. It also integrates with other GEM products to enhance your presentation or publication graphics.

## Can I create my own library of GEM Draw Plus pictures?

Yes you can create your own picture library with GEM Draw Plus, and to get you started we provide you with a selection of over 100 ready-made pictures.

## Can I cut and paste pictures within the library?

Yes, pictures available in the GEM Draw Plus library can be cut and pasted with your own creations.

## What advantage does GEM Write offer?

GEM Write allows you to integrate text with graphics created in GEM Draw Plus, GEM Graph, GEM WordChart, and GEM Paint.

## What is the difference between GEM Paint and GEM Draw Plus?

The difference is that of a collage and canvas. GEM Draw Plus, like a collage, allows you to create, overlay, reposition and re-scale objects and text. GEM Paint, like a canvas, gives you the flexibility of an artist's palette to paint, spray, pencil and shade your individual design. GEM Paint is a pixel-based graphics program ideally suited to develop detailed drawings and illustrations. GEM Draw Plus is an element-oriented program and produces logos, organization charts, schematics, diagrams and much more.

## What type of graphs does GEM Graph produce?

The GEM Graph Gallery contains line graphs, bar graphs, 3D-bar graphs, pie-charts, exploded pie-charts, symbol charts and maps.

## How do I transfer my data into GEM Graph?

Data can be input manually or imported from popular applications such as Lotus® 1-2-3, Symphony™, and dBASE™ III®.

## What kind of word processor is GEM WordChart?

GEM WordChart is NOT a word processor. It is a package with editing capabilities which allows you to prepare text slides efficiently and professionally.

## How do I incorporate my own designs into GEM WordChart?

By using GEM Draw Plus, borders, logos, etc. can be designed and integrated into GEM WordChart.



# GEM Applications System Requirements



## GEM System Support 5 1/4" Media

### Computers:

AT&T® 6300, IBM® PC, PC/XT, PC/AT, 3270 PC, and 100% IBM PC compatibles.

### Screens/Graphics Cards: (monochrome)

AT&T Monochrome Card, AT&T DEB Card, IBM Color Graphics Adaptor, IBM Enhanced Graphics Adaptor, Hercules™ Graphics Card, and 100% compatibles.

### Screens/Graphics Cards: (color)

AT&T DEB Card, IBM Enhanced Graphics Adaptor and 100% compatibles. For EGA 640 x 350 resolution, additional 64K unit and Enhanced Color Monitor are required.

### Pointing Devices:

LOGIMOUSE®, Manager Mouse®, SummaGraphics™ Tablet, SummaSketch™ Tablet, SummaMouse™, Mouse Systems PC Mouse™, Microsoft Mouse™, 100% compatibles or any pointing device supporting MOUSE.COM.

### Memory:

384K RAM on PC DOS 2.x or PC DOS 3.x.  
512K RAM (GEM Desktop Publisher).

### Printers:

Apple® LaserWriter, other compatible and PostScript® devices, Epson® FX, EX, LX, GQ, MX & LQ series, (wide and narrow carriage) Hewlett-Packard® LaserJet + and 100% compatibles, IBM Proprinter, IBM Graphics Printer, IBM Color Jetprinter, and Xerox® 4020 Color InkJet.

### Plotters:

Any HPGL compatible device. Hewlett-Packard HP7440, HP7470A, HP7475A, HP7550, HP7585, IBM 7372.



## GEM System Support 3 1/2" Media

### Computers:

IBM® Personal System/2™ series.

### Screen/Graphics: (monochrome)

IBM Personal System/2 monochrome display. EGA and MCGA modes as supported.

### Screen/Graphics: (color)

IBM Personal System/2 monochrome or color display. CGA, EGA and VGA display modes as supported.

### Pointing Devices:

IBM Personal System/2 Mouse, LOGIMOUSE, Manager Mouse, SummaGraphics Tablet, SummaSketch Tablet, SummaMouse, Mouse Systems PC Mouse, Microsoft Mouse, 100% compatibles or any pointing device supporting MOUSE.COM.

### Memory:

384K RAM on PC DOS 3.x.  
512K RAM (GEM Desktop Publisher).

### Printers:

Apple LaserWriter, other compatible and PostScript devices, Hewlett-Packard LaserJet + and 100% compatibles, IBM Proprinter, IBM Graphics Printer, IBM Color Jetprinter, and Xerox 4020 Color InkJet.

### Plotters:

Any HPGL compatible device. Hewlett-Packard HP7440, HP7470A, HP7475A, HP7550, HP7585, IBM 7372.



## GEM Device Driver Packs 5 1/4" & 3 1/2" Media

Additional device drivers can be obtained for a nominal fee by calling Digital Research direct at (800) 443-4200. The current range of drivers support the following output devices:

### Printers:

Epson JX-80, Epson JX-80 wide carriage, Epson high-resolution wide carriage, Epson low-resolution wide carriage, Diablo® C150, Hewlett-Packard LaserJet, IBM Quietwriter I and II, IBM Pageprinter, Quadjet Color Inkjet, and PostScript (300 DPI).

### Cameras:

Polaroid® Palette.

### Plotters:

Houston Instruments® DMP 51/52 or any DM/PL™ compatible device and IBM 6180 Plotter.

## Worldwide Offices:

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FAX: + (81) 349 62086  
TLX: 781 23711

### Dealer:

**For the name of your nearest  
Digital Research dealer in the  
United States and Canada call  
toll-free (800) 443-4200.**

 **DIGITAL RESEARCH®**