

LOTUS/PHOENIX COMPATIBILITY PROGRAM
User Notes

March 1987

License

This Phoenix software is licensed to you according to the following terms:

You may:

1. Use the program on a single machine.
2. Merge the program with another program to use on a single machine. Any portion of the program merged with another program will continue to be subject to the terms and conditions of this Agreement.

You may NOT:

1. Sell, rent, sub-license, or lease the Software or Documentation.
2. Alter, modify, or adapt the Software or Documentation, including but not limited to, translating, decompiling, disassembling, or creating derivative works.

Trademarks

Lotus and 1-2-3 are trademarks of Lotus Development Corporation. GRiD and GRiDCase are registered trademarks of GRiD Systems Corporation.

INTRODUCTION

These User Notes explain what Phoenix drivers do, and tell you how to install the drivers so that you can display Lotus text and graphics on your GRiDCase computer.

This document is intended for users with the IBM PC Convertible version of 1-2-3 Release 2.01 on 3.5" diskettes who have a GRiDCase computer.

Until you install the Phoenix drivers, 1-2-3 Release 2.01 on 3.5" diskettes will NOT be displayed on the GRiDCase screen. Attempting to run 1-2-3 without first installing the Phoenix drivers will cause the screen to remain blank. Do not run the Install program from the 1-2-3 System Disk, use Install Disk from Lotus.

Contents

- Section I Explains what drivers are, how drivers work, and what driver files are on the Lotus subdirectory of your MS-DOS System Disk.
- Section II Explains how to prepare your monitor and how to add drivers to Lotus 1-2-3.
- Section III Describes how to troubleshoot problems, and where to turn for help.

Required Manuals

This document describes various fetures of Lotus software, GRiD hardware, and MS-DOS. You should be familiar with the following documentation:

- o *1-2-3 Getting Started Manual*
- o *GRiDCase Owner's Guide*
- o *GRiD MS-DOS Reference*

Section I: PHOENIX DRIVERS

What are Phoenix Drivers?

Phoenix drivers are software programs that improve the display of 1-2-3 when used with the GRiDCase computer.

The Phoenix drivers for 1-2-3 Release 2.01 on 3.5" diskettes have been developed to work with the following GRiD computers:

- GRiDCase1
- GRiDCase2
- GRiDCase3

NOTICE: Lotus and GRiD provide no technical support for unlisted models.

How Do Phoenix Drivers Work?

Phoenix drivers contain information that tell 1-2-3 how to send data to a GRiDCase display. There are two kinds of display drivers:

Text Drivers - Text drivers display text that consists of characters from the "Lotus International Character Set" (LICS). The characters are displayed as patterns of dots. The precise pattern for each character is determined by a "font", or list of dot patterns. The Phoenix GRiDCase text driver uses a standard font supplied by Lotus Development Corporation, which includes all the LICS characters.

Graphics Drivers - Graphics drivers display graphs by breaking down a graph into screen dots called pixels, similar to the way newspapers print photographs. The more dots a graph contains, the higher the resolution and quality of the graphics.

What Driver Files Are in the Lotus Subdirectory of Your MS-DOS System Disk?

Text Display

- GRID3HA1.DRV - Alphanumeric characters
- GRID3HB1.DRV - Bit-mapped characters

Graphics Display

- GRID3HC1.DRV - Toggle mode
- GRID3HE1.DRV - Shared mode

Section II: INSTALLING SINGLE DRIVERS

Installing single drivers is the process of adding new drivers to the 1-2-3 driver library, and then selecting the appropriate hardware through the INSTALL program. The following paragraphs list the tasks you must perform to install your new Phoenix display drivers.

TASK 1: Prepare Hardware and Software

To prepare your hardware and software for the new drivers, you must make sure that your GRiDCase computer is working correctly and that 1-2-3 is ready to accept new driver files.

The following table lists what you need to complete the preparation procedure.

For a fixed disk system:

1. GRiDCase computer and documentation
2. Lotus software (access to the 1-2-3 directory on a fixed disk)
3. The Phoenix drivers from your MS-DOS system diskette

For a single floppy system:

1. GRiDCase computer and documentation
2. The Lotus Utility Diskette
3. The Phoenix drivers from your MS-DOS system diskette
4. A blank, formatted floppy diskette labeled "work diskette".

Part 1: Verify Correct Hardware Operation

Now that you have the proper pieces you can now verify that your computer is operating properly by following the steps below.

1. Set up your hardware according to the instructions in the *GRiDCase Owner's Guide*.
2. Insert a diskette into your disk drive.
3. Type DIR A: and press <Return>. Result: The GRiDCase will access the A: drive and display a directory of its contents. Verify that the drive light on the drive is illuminated, and that the contents of the diskette are displayed.

4. Repeat step 3 for all your active drives (if you have any others attached to your system).

Part 2: Copy Driver Files

Before you can install the Phoenix drivers, you must copy the drivers from your MS-DOS system diskette to your fixed disk or floppy "work diskette".

How you copy the driver files depends on whether you have a fixed disk or a floppy diskette based system. Proceed as follows:

Fixed Disk System:

If you have a fixed disk, copy the driver and installation files from the Lotus subdirectory of your MS-DOS system diskette into the same directory as your Lotus software. Complete the following steps to copy the files to your fixed disk.

1. Change to your 1-2-3 directory on your fixed disk by typing: `CD\[directory name]`
2. Place the MS-DOS system diskette in drive A:
3. Change to the Lotus directory by typing:
A: `CD\Lotus`
4. Type `COPY A: *.* C:` (or whatever your fixed disk is labeled as) Result: MS-DOS copies all driver files to the 1-2-3 directory on your fixed disk.

The driver files are now available to 1-2-3. Proceed to Task 2, "INSTALL DRIVERS".

Floppy Based System:

If you have a floppy based system, copy the driver and installation files from the MS-DOS system diskette to your "work diskette". Complete the following steps to copy the files to your "work diskette".

1. Place the MS-DOS system diskette in drive A: and the "work diskette" in drive B:. If you have only the internal disk drive, place the MS-DOS system diskette in drive A:.
2. Change to the Lotus directory by typing:
A: `CD\Lotus`
3. Type: `COPY A:*.* B:.` If you have only the internal disk drive, you will be prompted to replace the MS-DOS system diskette with your "work diskette" at the proper time.

You now have a "work diskette" that contains the correct driver files. Proceed to Task 2, "INSTALL DRIVERS".

Task 2: Install Drivers

To add new drivers to 1-2-3, you must run the INSTALL program. INSTALL permits you to add single drivers to the 1-2-3 driver library.

To complete the installation process, you need the INSTALL diskette and the Phoenix driver files.

The driver files should now be:

- o On your fixed disk, or
- o On your "work diskette"

Perform the following steps to install new drivers. Before you begin, you should:

- o Be in your Lotus directory, if you have a fixed disk
- o Place your INSTALL diskette in drive A: and your "work diskette" in drive B:, if you have two floppy drives.
- o Place your INSTALL diskette in drive A: and have your "work diskette" ready if you have only one drive.

1. Type INSTALL and press RETURN. Follow any instructions that appear for changing disks.

2. Select Advanced Options from the main menu.
Result: INSTALL presents a list of tasks to do.

3. Select Add New Drivers to Library
Result: INSTALL prompts you to add new drivers to the library and returns you to Advanced Options menu. (If you have only one floppy drive, you will need to swap your "work diskette" for the Install diskette when INSTALL prompts you for the driver files).

4. Select Modify Current Driver Set.
Result: INSTALL displays a list of driver types.

5. Select TEXT DISPLAY to add a text driver.
GRiD3HA1.DRV - Alphanumeric characters
GRiD3HB1.DRV - Bit-mapped charcters
Result: INSTALL displays a list of Text drivers.

6. Select the GRiD Text Driver.
GRiD3HC1.DRV - Toggle mode
GRiD3HE1.DRV - Shared mode
Result: INSTALL returns you to the list of driver types.

7: Select GRAPH DISPLAY to add a graphics driver.

Result: INSTALL displays a list of graphics drivers.

8: Select GRiD Graphics Driver.

Result: INSTALL returns you to the list of driver types.

9: Select Return to menu.

Result: INSTALL returns you to Advanced Options menu.

10: Select Save Changes.

Result: INSTALL saves the changes made.

IMPORTANT: After you install your drivers, you should run 1-2-3 to verify that the drivers display text and graphics correctly on your monitor.

If you use a floppy based system, make sure that the new version of 123.SET that you just created is available when you run 1-2-3. The new 123.SET file must be on your 1-2-3 System Diskette.

SECTION III: TROUBLESHOOTING PROBLEMS

This section describes common display problems and provides suggestions for correcting these problems. This section also tells you where to get help for specific problems.

If you have trouble with your display, the following sections may help you to determine the cause and a possible solution.

Problem: Your display goes blank when you try to run 1-2-3.

Possible Cause: You may have installed the wrong drivers.

Solution: Make sure the GRiDCase works with other software and check to make sure the drivers are correct.

Problem: Your display goes blank when you try to run a View of 1-2-3.

Possible Cause: A View of 1-2-3 uses a display driver that does not work on the GRiDCase.

Solution: You cannot use the version of "A View of", that comes on the 3.5" diskettes, with the GRiDCase computer.

Note: For Single Floppy Systems

If you have a single floppy system and use a Lotus file command to access a non-existent floppy drive (for example, drive B:), MS-DOS may not display the following prompt:

Insert diskette for drive B: and strike any key when ready.

The problem only occurs if you have:

- o A single floppy system
- o Installed a single driver to the 1-2-3 Driver Library
- o Performed a 1-2-3 file command that uses drive B:

Simply press any key. Although MS-DOS cannot display the message on your GRiDCase screen, MS-DOS continues to function properly. As soon as you press a key, MS-DOS completes the task.

Where To Get Help

If you have other problems in using the GRiDCase with 1-2-3, please use the following guidelines to determine which customer support department you should call:

Call Lotus if:

- o You have trouble installing the drivers.
- o You can display text and/or graphics correctly using other programs, but have problems only with Lotus software.

Call GRiD if:

- o You can't run other software on your GRiDCase.

Driver Replacement Policy

Contact the GRiD Resource Center at 415-656-2100 for a replacement of the MS-DOS System Diskette within 45 days of purchase. In no event will Phoenix be liable to you for any damages, including any lost profits, lost savings, or other incidental or consequential damages arising out of the use or inability to use such program even if Phoenix has been advised of the possibility of such damages, or for any claim by any other party.