



Getting Started with

GERBER OMEGA™ 7.0

Software and Device Installation



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Ghostscript Included.

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There are many variables in process reproduction of colors generated by the GERBER printers, any one of which may affect the quality of the Gerber simulations of PANTONE Colors, including:

- Type of media/paper used
- Type of ink film used
- Effective final resolution
- Dot structures/halftones

For optimal results we recommend that the following materials be used:

1. 3M Scotchcal 220-10 or 225-10 Gloss White Vinyl
2. GerberColor™ ProcessPro™ Foils

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QuickStart OMEGA 7.0 Installation



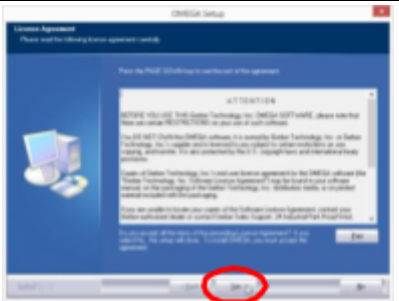
Summary of OMEGA 7.0 Installations

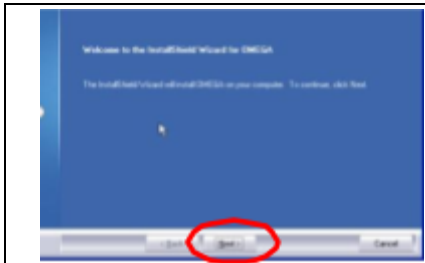
OS, Hardware and Installation Requirements:

<ul style="list-style-type: none"> • Windows 8.1 32 or 64, Windows 10 32 or 64 • Enough hardware to run the OS and install OMEGA. • At least 2 GB RAM, At Least 100 GB free space, 2 USB ports or more, serial port or GSP USB to serial port adapter, mouse, 1024x768 16 million color monitor • EDGE 1 and 2 require a Gerber USB to Parallel cable P83301A. 	<ul style="list-style-type: none"> • EDGE FX requires an Ethernet port. • You must be in ADMIN mode to install, and it is highly recommended that all virus checkers are disabled during the installation. • Autocarve and Gerber Braille Interpreter require a 32 bit OS • The USB to Parallel cable can run 32 or 64 bit Windows 7
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Installation Summary

<p>1. Back up data files, PLT files, Fonts, clipart, and any other files used on the PC where the software is being installed</p>	<p>2. DO NOT PUT THE SECURITY KEY ON THE PC FIRST!</p> 	<p>3. Insert the OMEGA USB install thumb drive 4. Browse to and run SETUP.EXE</p>
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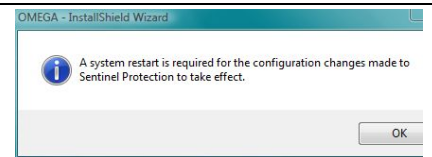
 <p>5. The OMEGA Setup Wizard will appear. Click Install Products</p>	 <p>6. Click on the INSTALL OMEGA 7.0 Button</p> <p>IF the Choose Setup Language dialog box appears, choose the correct language to install.</p>	 <p>7. Click YES to Agree to the license agreement.</p>
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8. The Installshield screen will appear. Click Next



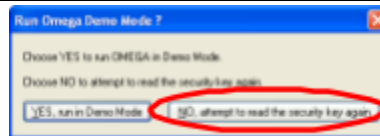
9. Click YES to the BACKUP warning if files are backed up.



10. The Sentinel driver may automatically update. If the Sentinel Driver updates, you will be prompted to reboot the PC after this driver loads. DO NOT INSTALL THE SECURITY KEY YET and Reboot the PC.

11. If the Sentinel Driver installed and the PC rebooted, start the installation process again by removing and inserting the OMEGA USB install thumb drive and running SETUP.EXE.

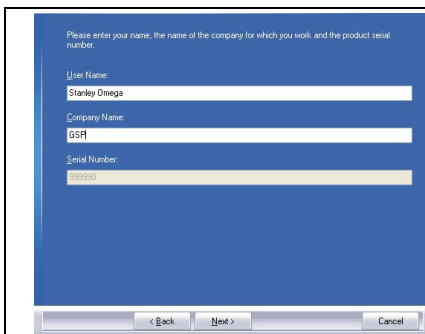
12. When the Main Setup menu appears again, Follow steps 2 through 9 above again.



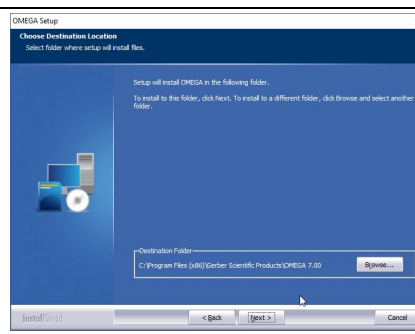
13. A Run OMEGA Demo Mode screen will appear.

14. INSTALL the Security Key onto a functioning USB drive. Click NO, Attempt to Read the Security Key Again.

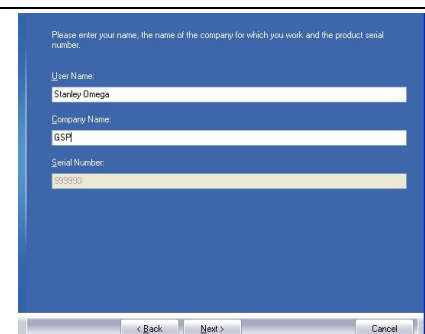
15. If the upgrade requires a password, carefully enter the password from the card inside the password envelope and Click OK.



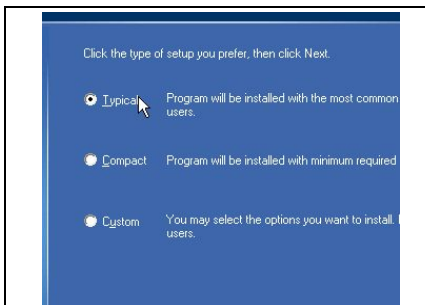
16. Enter User Name and Company Name information if prompted. Click Next.



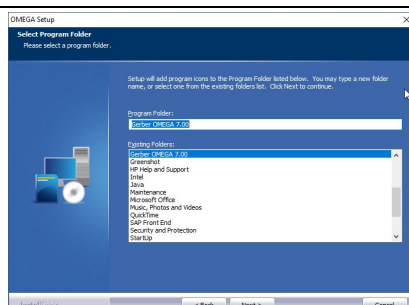
17. Click OK to accept the default location for OMEGA files. Click Next.



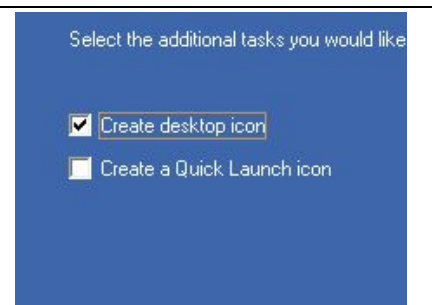
18. Enter User Name and Company Name information if prompted. Click Next.




19. Choose the installation type of Typical or Compact. Click Next.







20. Choose the name of the default Program Group Name. Click Next.



21. Click Next to create a desktop icon

<p>22. If upgrading, a message may appear about copying existing fonts and libraries. OMEGA 7.0 automatically copies fonts and libraries into its own folder so they can be used in OMEGA 7.0.</p>	<p>23. The files will begin installing and OMEGA features will flash by.</p>	 <p>24. If upgrading from an older version of OMEGA, you may be prompted to uninstall the previous versions. Click YES or NO as desired.</p>
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 <p>25. A screen will appear asking to View the README and INSTALL Plotters/Printers. Choose the items that need to be done and click FINISH.</p>	<p>26. The README will appear if chosen to be read.</p> <p>27. The INSTALL DEVICES screens will appear if the checkbox is left on. DO NOT PHYSICALLY CONNECT THE GERBER EDGE YET.</p> <p>28. You will be prompted to check for updates. It is recommended that you perform this step. Follow the on-screen prompts.</p> 	 <p>29. Once devices are installed and the README is read, a screen will prompt you to install Fonts and Libraries.</p> <p>30. Click OK.</p> <p>31. If needed, install Fonts and Libraries from the OMEGA 7.0 USB install thumb drive or from Omega Tray.</p>
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 <p>32. The Installation Screen will disappear and the Install Products menu will appear again. Click Install Find My Font and follow the prompts. See below for more information on this installation.</p>	<p>33. REGISTER the software to be kept informed of updates and products and for warranty coverage.</p> <p>34. Go to the OMEGA 7.0 program group and check for updates (if on an Internet connected system).</p>	<p>35. Run OMEGA 7.0 Successfully!</p> <p>36. Start Find My Font, go to HELP>License Information and enter the Password for Find My Font included in the OMEGA 7.0 box. An internet connection is required when entering this password.</p>
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Additional installation items:

Install Find My Font – Gerber Omega Edition

Gerber Omega 7.0 includes a special Edition of Find My Font. Find My Font matches unknown fonts to a database of fonts stored on a local PC, and/or to an online database of more than 130,000 fonts. Find My Font – Gerber Omega Edition will match to a special section of Gerber fonts in the online database.

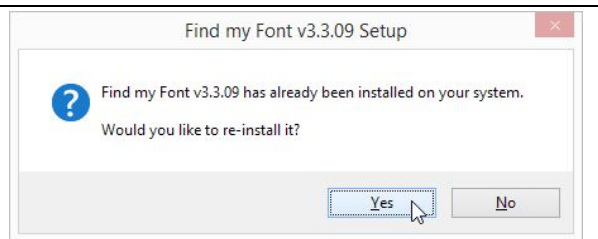
To install Find My Font – Gerber Omega Edition:

Insert the OMEGA 7.0 USB install thumb drive

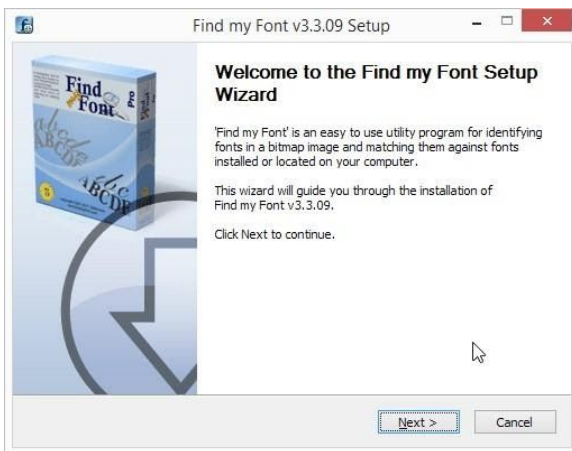
When the install menu appears, click on Install Products



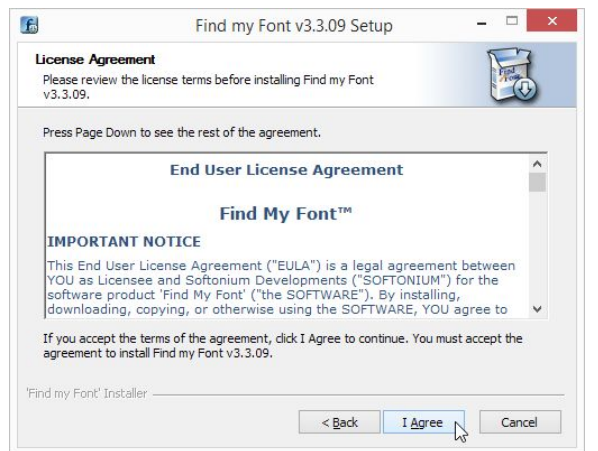
Click on Install Find My Font.
A separate installation program will start.



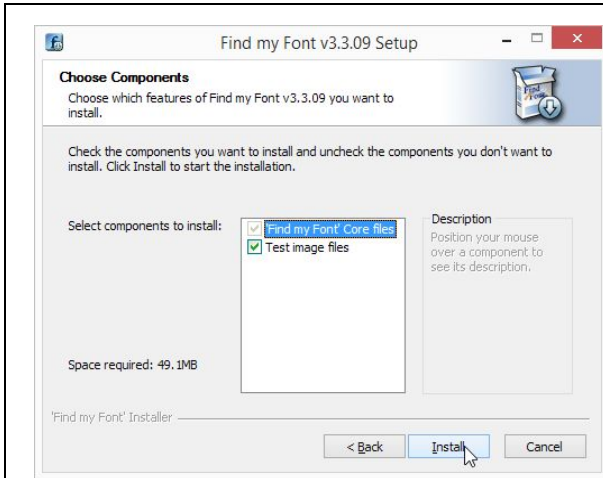
Click Yes to update or re-install version if Find My Font is already loaded.



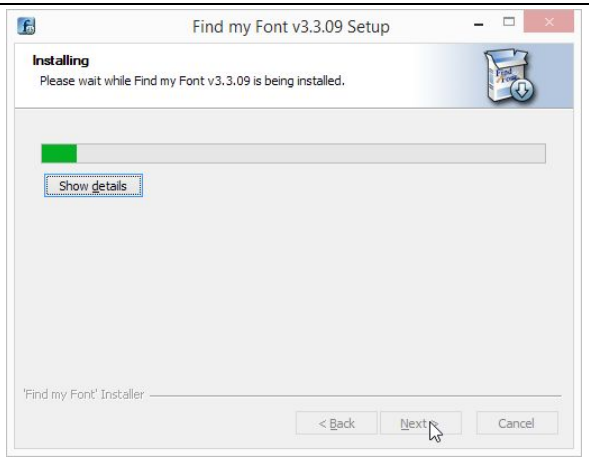
Click Next to proceed



Click to accept the License Agreement.



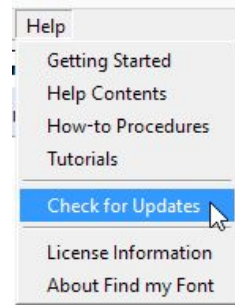
Click Install to continue.



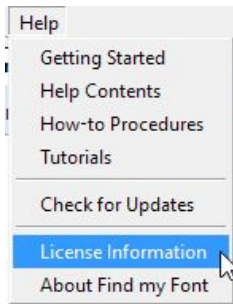
A progress screen will appear.



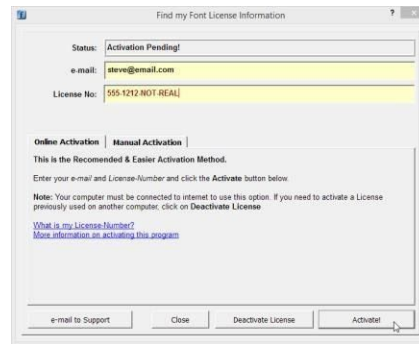
Click Finish to complete the installation



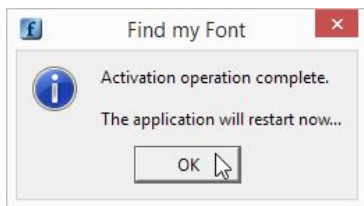
Start Find My Font, click Help and Click Check for updates for the latest version.



Click Help>License Information and



Enter the Find My Font – Gerber Omega Edition password included in the OMEGA 7.0 box. **NOTE that an internet connection and valid email address are required.**

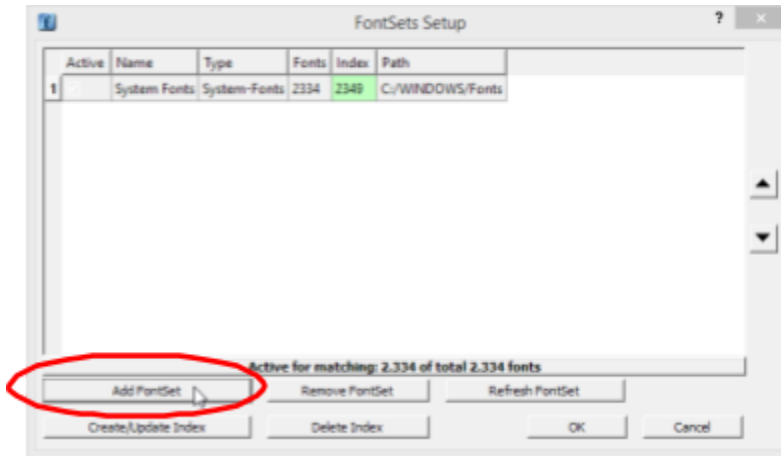


Click OK to restart the program.

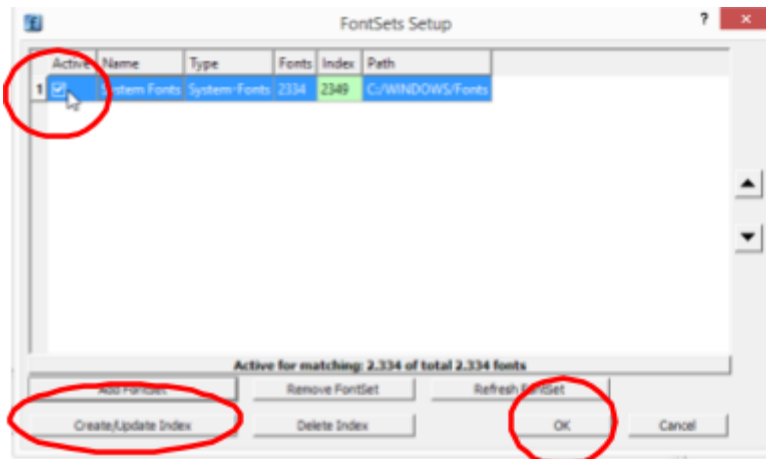
See Find My Font – Gerber Omega Edition information below about FontSets and indexes.

1. Any OpenType or TrueType fonts can also be used with Find My Font as part of a font matching database located on your PC. The fonts do NOT have to be installed to be part of a font matching database.

- Start Find My Font
- Go to Fonts>FontSets Setup or press CTRL+F
- Click on Add FontSet



- Browse to the folder where the fonts are located>Click OK
- Be sure the Active checkbox on the left side is turned on.
- For faster font matching, highlight each Fontset in the list and click on Create/Update Index.
- Click OK to exit the FontSets setup dialog box.



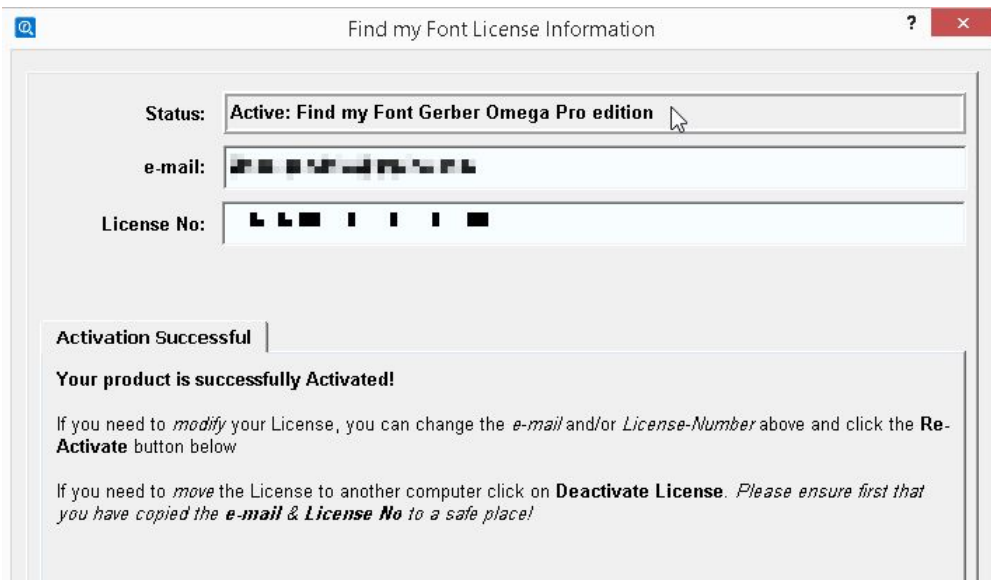
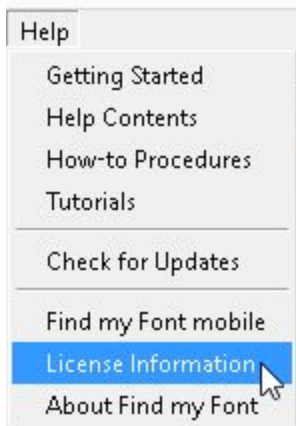
Find my Font: New Version and "Mobile" Version

We are pleased to introduce an updated version of Find my Font GERBER OMEGA Pro (version 3.3.15), and Find My Font MOBILE Gerber OMEGA Pro version for Android and iOS devices.

Please *CAREFULLY* follow these instructions to access these new capabilities:

Start Find my Font Gerber Omega Pro on your OMEGA system.

Go to the Help menu, then go to License Information



Status should show as ACTIVE: Gerber Omega Pro edition. An email address and License Number should also be displayed

Copy the email address and license number and store in a safe place. Ideally, store these in a TXT or other electronic file. These will be needed to update to the latest version and to use Find my Font Mobile Gerber Omega Pro.

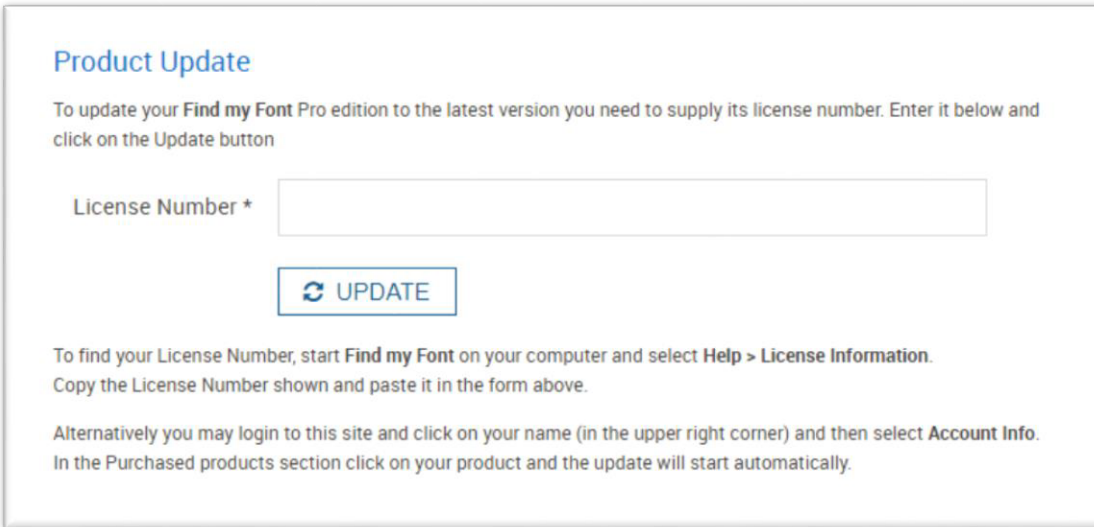
Click Close to close the License Information dialog box.

Close Find my Font.

Go to the following link to download the latest version:

<https://www.findmyfont.com/download/product-update>


Enter the copied license number EXACTLY as it appears in the license dialog box.



Product Update

To update your **Find my Font Pro** edition to the latest version you need to supply its license number. Enter it below and click on the Update button

License Number *

 UPDATE

To find your License Number, start **Find my Font** on your computer and select **Help > License Information**. Copy the License Number shown and paste it in the form above.

Alternatively you may login to this site and click on your name (in the upper right corner) and then select **Account Info**. In the Purchased products section click on your product and the update will start automatically.

Download and save the installation file to a known location on your computer.

Once downloaded, start the installation program and follow the installation prompts.

Any previous FontSets or Font Indexes will be used in the updated program.

Find my Font Mobile Gerber Omega Pro

Find my Font Mobile Gerber Omega Pro allows you to take images of fonts or upload image files of fonts on you Apple or Android mobile device and identify fonts from the complete Find my Font Mobile Gerber Omega Pro database. This database includes all the standard FMF font matching font images, as well as the Gerber database of font matching images.

To install **Find my Font Mobile Gerber Omega Pro edition**:

Go to <https://www.findmyfont.com/download/download-mobile-edition>

Click on the Apple or Google Play Link

Follow the instructions to install on your device.

You must now link your **Find my Font Mobile Gerber Omega Pro** license to your OMEGA license.

Start Find my Font Mobile on your device.

Touch the Menu icon in the upper left corner of the screen

Touch "About Find my Font."

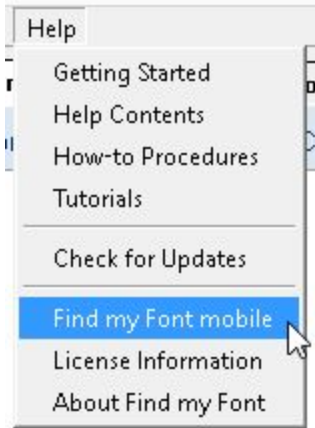
Carefully write the App Id: on a piece of paper and or type it into a notepad file with your other FMF license information. It will be 18 characters long with a dash after the first two characters (2 characters-16 characters). It will look something like this:

a0-XXXXXXXXXXXXXXXXXXXX

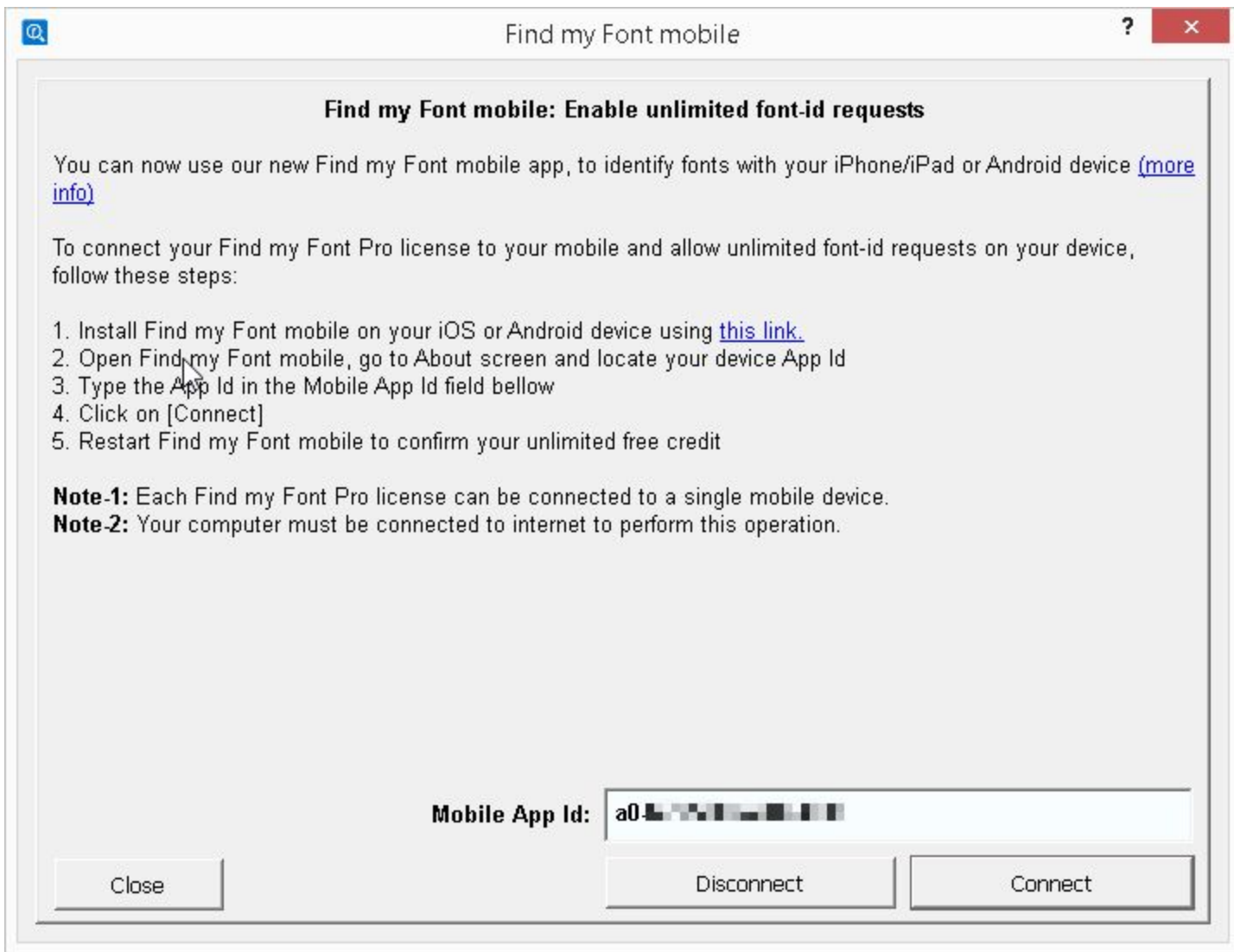
Start Find my Font, latest version, in OMEGA.

Be sure the OMEGA PC is connected to the Internet.

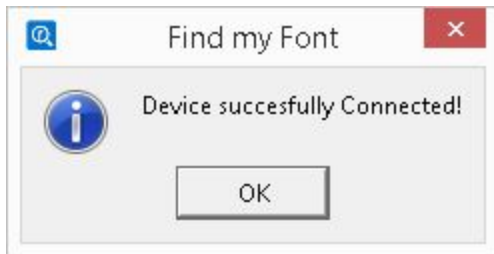
Go to the Help menu, then go to Find my Font mobile.



A dialog box will appear. Type in or paste the FMF Mobile App Id exactly as it appeared on the mobile screen.



Click on Connect. A message will appear: Device successfully Connected!



Close and restart the mobile app on your device. **You should see a yellow star at the bottom of the screen.** This means that you have an unlimited number of font matches available.

Go to the **Find my Font Mobile Gerber Omega Pro** Menu on the mobile device and touch About Find my Font. It should show Find my Font Gerber Omega with an Omega logo.

Go here for more information about **Find my Font Mobile Gerber Omega Pro** installation and usage:

<https://www.findmyfont.com/support/blog/112-find-my-font-goes-mobile>

[https://www.findmyfont.com/support/blog/113-connect-your-desktop-with-your-mobile - app](https://www.findmyfont.com/support/blog/113-connect-your-desktop-with-your-mobile-app)

<https://www.findmyfont.com/download/product-update>

Refer to the Find my Font HELP menu and online information for more instructions.

OMEGA 7.0 Installation Changes and Enhancements

The OMEGA Upgrades have been consolidated as follows:

GA to OMEGA upgrades remain a single product

OMEGA 1.5X and 2.0/2.1 upgrades to OMEGA 7.0 have been consolidated into one product.

- 1.5 and 2.0/2.1 Upgrades are ONLY available with security keys, and are no longer available as password upgrades or GerberNet upgrades.

OMEGA 2.5x/2.6x and 3.0 upgrades to OMEGA 7.0 have been consolidated into one product.

OMEGA 4.0/5.0/6.0 upgrades to OMEGA 7.0 have been consolidated into one product.

OMEGA 6.5 to 7.0 upgrades remain a single product

The security key is smaller and purple.



Find My Font - Gerber Omega Edition is included with all versions except for Plot Station.

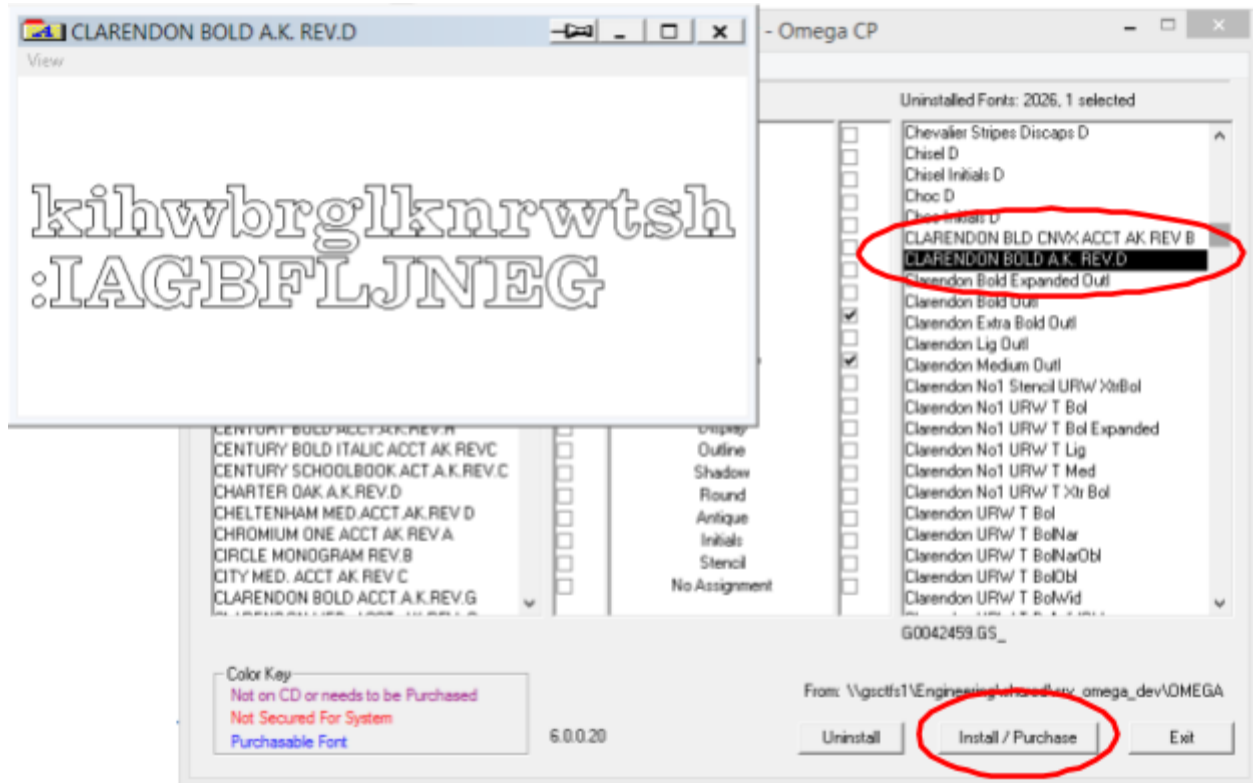
Neither ImageRIP nor ImageRIP profiles are included as part of the installation at all.

Gerber EDGE Fonts and Gerber Highway Fonts are available to be installed as part of OMEGA 7.0.

Insert the OMEGA 7.0 USB install thumb drive and run setup.exe and then click on Install Products>Click on Install Fonts.

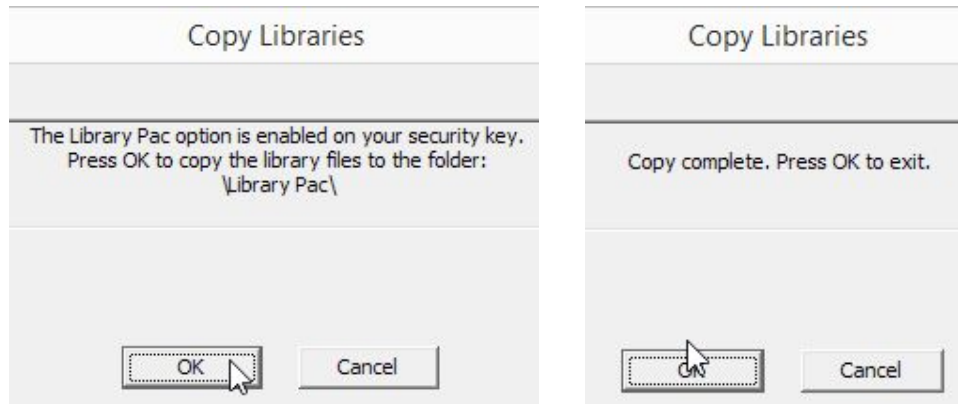
This starts Font Manager and displays these fonts as available for installation by displaying the installable fonts as black in the right pane of Uninstalled fonts.

Click on the desired fonts and click on Install/Purchase.



All Gerber Clipart Files are now included as part of OMEGA 7.0. This is a \$495 (USD) value.

Insert the OMEGA 7.0 USB install thumb drive and run setup.exe and then click on Install Libraries. This screen below will appear. Click OK to install. Click OK once the libraries are installed. The libraries will be installed in
C:\ProgramData\Gerber\Omega 7.0\Library



Other important OMEGA 7.0 Installation Notes

OMEGA 7.0 security keys more reliably upgrade with a password.

When installing an OMEGA 7.0 Upgrade on the same system that had a previous version of OMEGA already installed, the GSP Fonts and Libraries will be copied from the previous version folder location to the new OMEGA 7.0 folder.

Omega 7.0 UPGRADES can reside side-by-side with Omega 3.0*, 4.0*, 5.0*, 6.0* or 6.5*.

*Subject to compatibility with your windows OS version.

New OMEGA 7.0 seats and other upgrades not mentioned above CANNOT run side by side with OMEGA or GA versions previous to 3.0.

At the end of the install, users are prompted to CHECK FOR UPDATES. Check for updates can also be run manually from The OMEGA 7.0 program group, Omega Tray, Composer>Help Menu or Omega Plot>Help Menu.

OMEGA 7.0 automatically loads the latest EDGE firefiles. If you have an EDGE FX, be sure to load the latest EDGE FX SRE file onto the FX itself.

Certain OMEGA 7.0 Folder locations have been moved to be in compliance with Microsoft security settings and to allow for successful OMEGA 7.0 uninstallation. Go to START>All Programs>Gerber OMEGA 7.0>Gerber Folder Locations to go directly to all OMEGA folders. [Click here for a complete list of OMEGA 7.0 Folder Locations.](#)

Important information about converting TrueType fonts

If you convert TrueType fonts into Gerber fonts on multiple systems, you must be careful about how you exchange files and the resulting converted fonts. When Composer stores font information in a PLT file, it references the part number of the fonts that are in the PLT file. If you convert TrueType font into a Gerber font on "system 1," it might be named "FONT1." If you convert the same TrueType font into a Gerber font on a different system, the resulting Gerber font file name will probably be different, even though the original TrueType font name is the same. This occurs because the TrueType font converter looks for the next available font name on that particular system and uses that available font name. Different systems most likely will have different font names available as the next available font name.

Therefore when you transfer a job from system "A" to system "B", and then edit and regenerate text that uses a converted TrueType font, the resulting text will be in a different font from what was originally generated on system "A."

It is strongly recommended that all converted TrueType fonts be maintained in a common network location, or are copied from "system A" to "system B" to be sure all of the font names and underlying fonts are the same.

OMEGA 7.0 Folder Locations

See below for the computer locations for OMEGA files.

OMEGA 7.0 Data Type	Folder locations for Windows 8 / 8.1 and Windows 10
OMEGA 7.0 Program Files	32 bit: C:\Program Files\Gerber Scientific Products\OMEGA 7.00\Software 64 bit: C:\Program Files (x86)\Gerber Scientific Products\OMEGA 7.00\Software
Omega 7.0 Fonts	C:\ProgramData\Gerber\Omega 7.0\Fonts
Omega 7.0 Libraries (GAD Files)	C:\ProgramData\Gerber\Omega 7.0\Library
Omega 7.0 Queue Folder	C:\ProgramData\Gerber\Omega 7.0\Queue NOTE: If upgrading to OMEGA 7.0 on the same computer as a previous OMEGA version such as OMEGA 2.5 or 3.0, this folder will remain in the same location as the previous OMEGA version.
Omega 7.0 Spell Check Dictionaries	C:\ProgramData\Gerber\Omega 7.0\Dicts
Omega 7.0 Design Time Log file	C:\ProgramData\Gerber\Omega 7.0\LogFiles
OMEGA 7.0 User-Created Custom Palettes	C:\ProgramData\Gerber\Omega 7.0\Palettes
Image Rendering Color Separation Path	C:\ProgramData\Gerber\Omega 7.0\Seppath
.INI files	C:\Users\username\AppData\Local\GSP\Omega
Job files	C:\Users\Public\Gerber\Jobs NOTE: If upgrading to OMEGA 7.0 on the same computer as a previous OMEGA version this folder will remain in the same location as the previous OMEGA version.
Samples	C:\Users\Public\Gerber\Jobs\Samples NOTE: If upgrading to OMEGA 7.0 on the same computer as a previous OMEGA version this folder will remain in the same location as the previous OMEGA version.
Gerber OpenType font versions of base set OMEGA GSF fonts	C:\Users\Public\Gerber\Jobs\Gerber OpenType\ NOTE: If upgrading to OMEGA 7.0 on the same computer as a previous OMEGA version this folder will remain in the same location as the previous OMEGA version.

Chapter One: Welcome

Welcome to OMEGA™ 7.0, the state-of-the-art design and production system for the sign, graphics, and screen-print industries. OMEGA 7.0 teams powerful design and production features in a friendly, easy-to-use package.

About Getting Started

To help you put your OMEGA 7.0 software to work as quickly as possible, refer to the chapters that apply to your system and software.

Chapter Two: Installing OMEGA 7.0 Software tells you how to connect the security key needed to run OMEGA 7.0 and provides installation instructions for OMEGA 7.0 software.

Chapter Three: Adding Output Devices gives detailed instructions on installing hardware devices for your system. Please refer to the individual device manuals for specific installation instructions.

Chapter Four: Beyond Getting Started presents helpful information on registration, system information, the help system, and customer support, and suggests where you will find other useful OMEGA 7.0-related information.

Chapter Five: Troubleshooting contains questions and answers to common problems and error messages.

Chapter Six: HPGL™ Plotter Installation discusses custom installation for HPGL plotters.

Chapter Seven: Networking Devices describes how to setup a GSP® network.

Notes and tips

The following conventions are used in this manual:



Note: A note contains important information that could affect the successful completion of a task.



Tip: A tip contains a suggestion or to remind you of something that may appear elsewhere in the manual.



CAUTION: A caution statement contains information which, if not observed, could result in damage to the equipment.

OMEGA 7.0 Kits

The OMEGA 7.0 full and upgrade kits include:

OMEGA 7.0 USB install thumb drive

Printed What's New document

Printed Getting Started document

Registration card

Find My Font – Gerber Omega Edition Password Card (All versions except OMEGA 6.0 or 6.5 to 7.0 Upgrades and PlotStation)

Either a password or a security key (see chart below)



Note: OMEGA 7.0 is delivered on a USB install thumb drive and as a download from gerbertechnolgy.com/eservice. It is not available on a CD or DVD.

NEW Seat Kits	UPGRADE Kits	
OMEGA 7.0 Security Key Included	OMEGA 7.0 Security Key Included	Password Included
CP, CS, LS, MIP, NFR, PS	GA to OMEGA 7.0 OMEGA 1.5X and 2.0/2.1 to OMEGA 7.0	OMEGA 2.5 to OMEGA 7.0 OMEGA 3.0 and 4.0 to OMEGA 7.0 OMEGA 5.0 to OMEGA 7.0

New Features in OMEGA 7.0

For the most detailed information about the newest features in OMEGA 7.0 see “What's New in OMEGA 7.0”, as well as previous “What's New in OMEGA” presentations located on the OMEGA 7.0 System Software USB install thumb drive.

For detailed tutorials of many OMEGA tools, see the *OMEGA Learning Guide* that is included on the OMEGA 7.0 USB install thumb drive.

These new features were added to OMEGA 7.0

- User Palette - customized by the user
- Feature Templates - savable function sets
- Select by job palette - allows selection from the job palette
- Persistent foil adjust - easier to use foil adjust for color to color correction
- Keyboard customize - allows user assignable hotkeys
- Back-cut improvements - layer name monitoring and device selection
- CS software functions added - including clipping paths and process colors
- And much more!

These new features were added to OMEGA 6.5

- Groups of Groups or nested groups
- PLT file costing of Gerber vinyls and GerberColor Foils, and automatic text character counting using the PLT Extractor tool
- New PDF export filter with support for clipping paths and named colors
- New AI/EPS/PDF import capability to maintain original colors from imported CMYK files
- Ability to constrain detail editing and line digitizing movement with the ALT key
- Ability to toggle show filled/wireframe and scroll through Composer with the mouse while in Composer dialog boxes
- Merge data from PLT Extractor results into PLT files for customer presentations or job tracking.
- Easier to use back-cut decals
- Much more!

These new features were added to OMEGA 6.0

- Font Identification with matching to locally installed fonts as well as an online database
- Contextual visualization and designing with Composer effects such as Outline, Warp, Shadow, Distortion and others
- Easier to use Raster to Vector and generate Decal Cut with improved preset settings
- Bitmap image fills
- Integrate logos and images on QR codes generated in Composer
- Enhanced design tools such as ALT key constraints, vertical point alignment
- Export image files up to 32,000 pixels for inkjet workflows
- ART Path and Composer import DXF files with colors and map colors to layers
- Bonus Gerber Soft Fonts and Clipart Libraries
- Much more!

These new features were added to OMEGA 5.0

- Improved Raster to Vector and Decal Cut
- Omega Plot Weedlines
- On Screen Fills

- New FHWA Highway Fonts
- Nesting in Composer
- Distort Gradient Fills
- Automatic print-to-cut alignment between EDGE's and enVision 375 plotters
- "ReActionable" Surround Border
- Turn ReAction regeneration off for graphic edits
- Omega Plot Perforation Cut
- New Composer Guidelines
- SplView Enhancements
- Preview Jobs from GQManager
- Perform Foil adjust from SPLView
- Improved Export to Hot Folder
- Auto Process Art Path
- Omega Plot automatic Alignment
- English / Metric switching units
- Single Barcode Generation
- DWG and PDF import improvements
- And Much More!

These Features were added to OMEGA 4.0:

- GERBER EDGE FX HiRez printing mode
- Faster rendering of autotext, autonumber, or any repeats generated in Composer.
- Auto halftone settings for EDGE printing
- Easier and faster backcut or liner-cut decal production
- Better integration of Foil Adjust program (formerly called RegFixer)
- Grid cut or butt-cut weedborder
- ART Path automatic nesting
- Plotter output "Smart Start" Technology
- Support for more friction-fed plotters
- Easier, improved barcode layout features
- More undos, and ability to undo after saving
- Auto "Strokes for Chokes" button
- Choke spread top color designation
- Ability to add a PDF wrapper to JPG exports
- Automatic mapping of imported EPS/PDF and AI colors to EDGE spot colors
- New and easy to locate Gerber software and user file folder locations, accessible from Gerber Folder Locations function under the Gerber OMEGA 7.0 program group
- Many more enhancements and features

Reference Overview

The OMEGA 7.0 Reference Manual is included as a PDF file, (along with other OMEGA 7.0 documentation), on the OMEGA 7.0 System Software USB install thumb drive. You can either read the desired chapters on-screen or print them as you need them.

The Reference Manual is divided into books and chapters, presenting information about the hundreds of tools, commands and features incorporated in OMEGA 7.0. Each book is

summarized below. **All the information in the OMEGA 7.0 Reference Manual is also in the OMEGA 7.0 Help system. See Help for the most up-to-date information.**

Be sure to check What's New in OMEGA 7.0 for information and links to videos describing the new features of OMEGA 7.0.

Go to www.gerberotechnology.com/signs-graphics/design/omega/ for even more information about OMEGA.

OMEGA 7.0 Computer Hardware and Software Requirements

OMEGA 7.0 is compatible with:

Windows 8/8.1 Professional 32 or 64 bit and Windows 10 Professional 32 or 64 bit.

Windows 8 and 10 no longer support ECP parallel ports. Therefore Gerber Edge and Gerber Edge 2 printers must use a Gerber USB to Parallel Port option (P83301A) that can interface EDGE and EDGE 2 printers to computers with these operating systems.

The EDGE FX uses an Ethernet port and does not require any additional adapters.

3D Autocarve and Gerber Braille Interpreter will not run on 64 bit systems, even if upgrading from a previous version of OMEGA.

Minimum requirements are dictated by the operating system used

CPU	Intel Pentium IV™ (a higher-performance processor is recommended)
RAM	2 GB (more recommended)
Free Disk Space	40+ GB (more recommended)
Video Display	As dictated by the operating system. 1024 X 728 minimum resolution and support of 16 million colors. Higher resolution and more colors are recommended.
USB Ports	1 required. At least two recommended. Works with USB 1.1, 2.0 and 3.0
Ethernet Port	1 required for use with the Gerber EDGE FX.
Serial (9-pin)	1 required for use with Gerber sprocket plotters and /or routers. <ul style="list-style-type: none"> GSP offers a USB to Serial Adapter (P83305A) if a serial port is not available.
Parallel (25-pin)	NOT SUPPORTED. Please use the Gerber USB to Parallel Cable (P83301A)
ECP Parallel (25-pin)	NOT SUPPORTED. Please use the Gerber USB to Parallel Cable (P83301A)
Mouse or Pointing Device	Required

Additional hard disk space, memory and faster processors will improve performance, especially when working in data intensive operations or with large files.

Windows operating systems compatibility

EDGE 1 and or EDGE 2 printers require the GSP USB to Parallel cable (P83301A).

Windows 8/8.1 and 10 do not support the needed EDGE 1 and EDGE 2 parallel port usage. Therefore you cannot communicate with a GERBER EDGE or EDGE 2 printer *VIA PARALLEL PORT* when using these operating systems. You will need the above GSP USB to Parallel Cable.

Or you can upgrade your thermal printer to a GERBER EDGE FX which communicates via Ethernet cable.

	Windows 7, 8 or 10 32 bit	Windows 7, 8 or 10 64 bit
Design		
Composer and other design functions. Create and save PLT files.	YES	YES
Rendering		
Omega Plot rendering of SPL files.	YES	YES
Output		
EDGE via parallel cable	NO	NO
EDGE 2 via ECP parallel cable	NO	NO
EDGE via off-the-shelf USB-to-Parallel cable	NO	NO
EDGE 1 or 2 via GSP custom USB-to-Parallel cable (P83301A)	YES	YES
EDGE FX (Ethernet only)	YES	YES
Plotters via serial port	Limited Gerber USB to Serial Recommended	Limited Gerber USB to Serial Recommended
Plotters via Gerber USB to Serial Cable (P83305A)	YES	YES
Plotters via Off the shelf USB to Serial Cable	GSP Cable strongly recommended	GSP Cable strongly recommended

Chapter Two: Installing OMEGA 7.0 Software

This section describes the step-by-step instructions to successfully install OMEGA 7.0.

OMEGA can be installed in one of two ways:

1. Upgrading an existing security key with a Gerber-supplied password
 - This process applies to OMEGA Upgrades (2.5 to 7.0; 3.0 to 7.0; 4.0 to 7.0, 5.0 to 7.0, 6.0 to 7.0 and 6.5 to 7.0)
2. Installing a new security key from Gerber that includes OMEGA 7.0 security
 - This process applies to new OMEGA kits (OMEGA CP, CS, LS, PS), and
 - Upgrades from older systems (GA to 7.0; Omega 1.5 to 7.0; OMEGA 2.0 to 7.0)

The majority of the steps for these two installation procedures are identical. Therefore, the installation will be covered with one set of instructions.

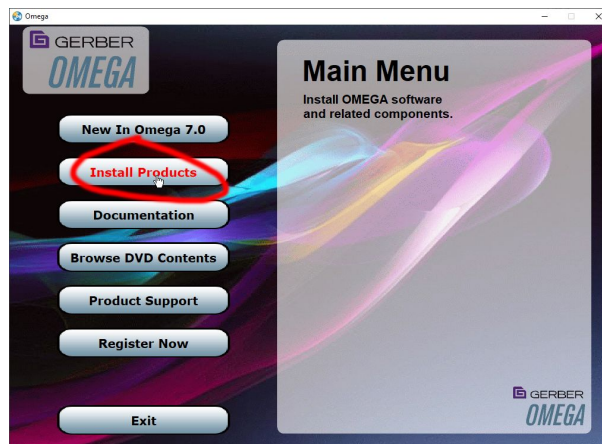
Be sure to follow these steps **BEFORE** installation for a successful installation:

- **DO NOT INSTALL the SECURITY KEY at the BEGINNING of the OMEGA 7.0 installation.**
- Be sure to have all the required OS software and hardware.
- Be sure to locate your new security key or password for the upgrade.
- Be sure to have the proper Gerber USB to serial and USB to parallel cable adapters.
- Do not plug in any Gerber USB to Serial or USB to Parallel cables into the PC until instructed to do so in the instructions.
- You must have Administrative privileges.
- Temporarily disable any Antivirus software (Internet access is not required during the software install, so you can also disable your internet connection).
- If you are prompted by UAC permission screens, click Yes to allow installation.
- Remove all other security keys until after OMEGA installation.
- Only use the Sentinel Protection Installer that is installed from the OMEGA 7.0 System Software USB install thumb drive. Do not install the Sentinel System Driver from the SafeNet® website or other software installations.
- Back up your critical design files, image files, PLT files, fonts, libraries and any other important files before installing the new software. 1 TB external drives are very inexpensive and well worth saving days of frustration due to lost data.



Installation Steps

1. DO NOT PLUG THE SECURITY KEY IN AT THIS TIME!
2. Insert the OMEGA 7.0 System Software USB install thumb drive. Run setup.exe from the USB install thumb drive.
3. The OMEGA 7.0 Main Menu screen will open. In the OMEGA 7.0 Setup Wizard click the Install Products button. An Install Products screen opens.



4. Choose Install OMEGA 7.0.

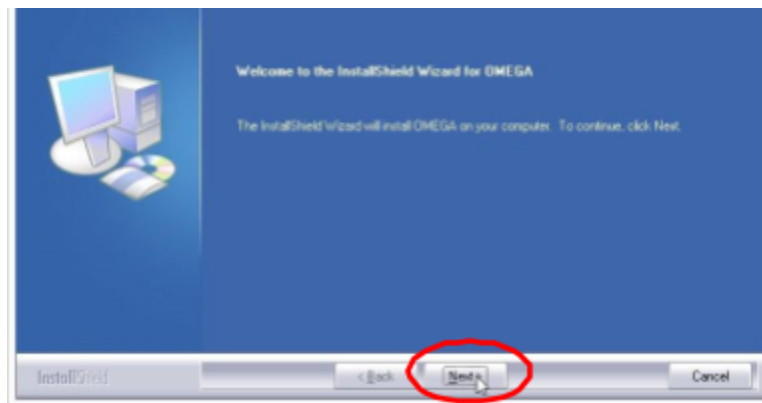


5. If the Choose Setup Language dialog box opens, verify the correct language is selected. Click Next.

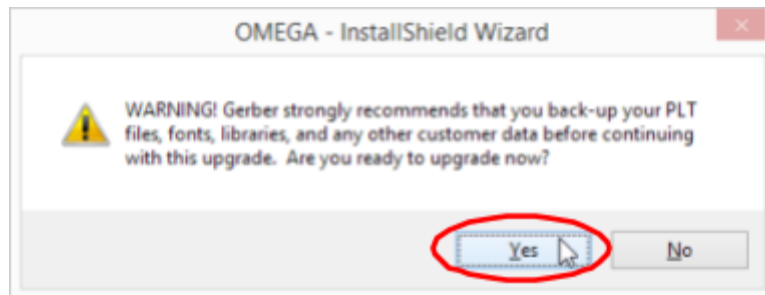
6. The License Agreement dialog box opens. If you agree to the License Agreement terms, Click Yes. If not, click No and return the *complete* OMEGA 7.0 kit to your distributor.



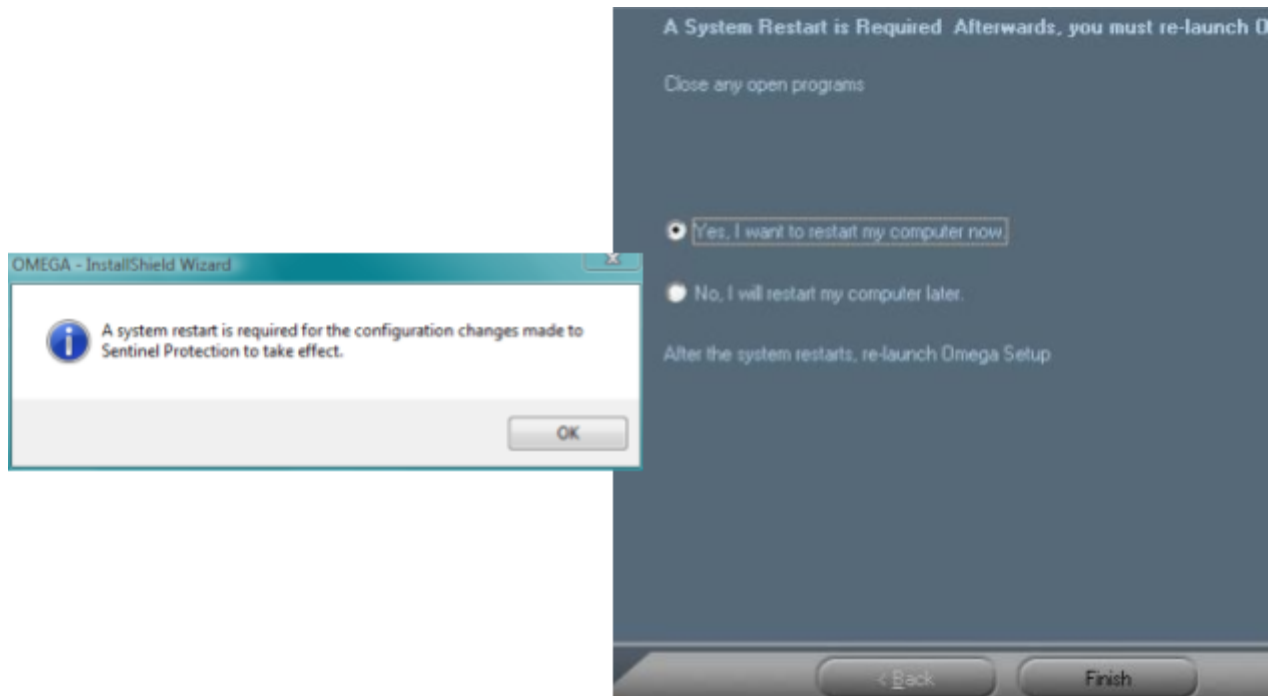
7. Click Next at the InstallShield screen.



8. A message will appear about backing up files. Click Yes to proceed, or click No to exit installation.

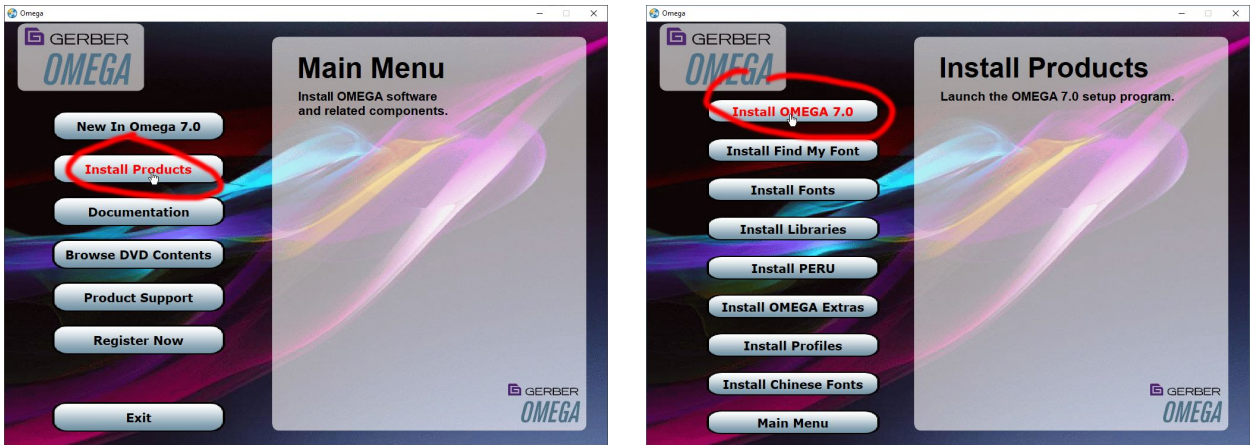


9. After clicking Yes, the Sentinel Driver may or may not install.
 - If the Sentinel driver does NOT install, skip to the next section.
10. If the Sentinel driver DOES install, a prompt will appear for a system restart. If a system restart required message appears, click OK and follow instructions in the System Restart dialog box that opens. Note: You must restart the PC after installing the Sentinel driver in order to continue the software installation.
11. Click Finish and the computer will shutdown and restart. If you accidentally choose NO, you will be returned to the Install Products Screen. Reboot your computer.

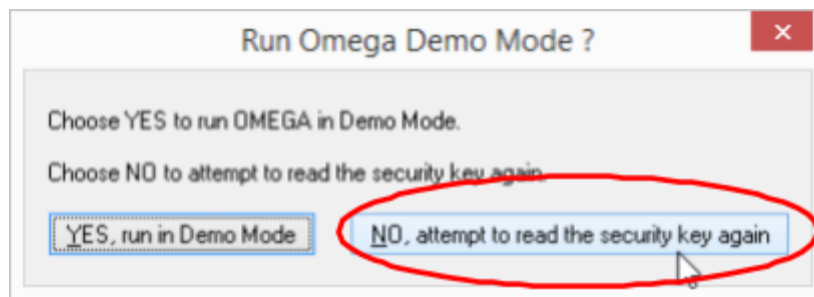


12. Once the system reboots and returns to the desktop screen, you must re-initiate the install. Browse to the OMEGA 7.0 USB install thumb drive and run setup.exe.

13. The OMEGA 7.0 Main Menu screen opens. Click on the Install Products button, then click the Install OMEGA 7.0 button, and follow the instructions in the dialog boxes that appear. Proceed to the next step.



When a DEMO MODE Message appears, **install the security key** and click on NO to look for the security key again. The installation will proceed.



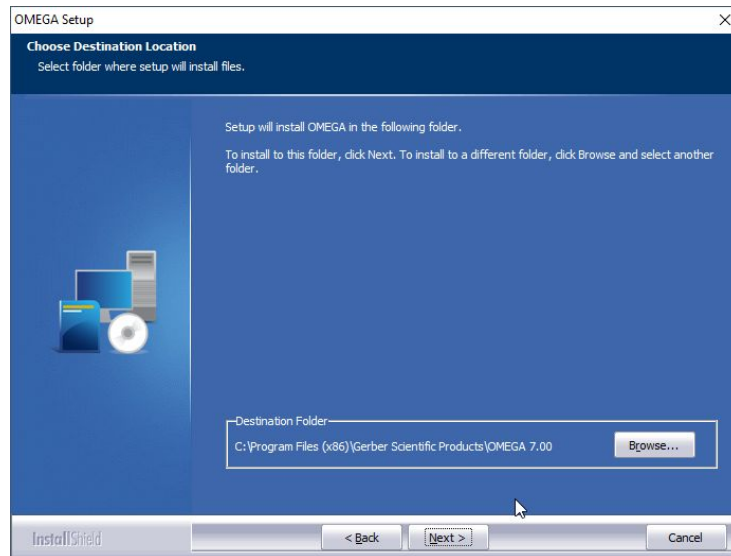
At this point, either the installation will proceed, or you will be prompted for a password. If the password screen appears, enter the password provided on the password card in the OMEGA kit.



14. Enter your name and your company name. The serial number from your security key will automatically display. Click Next.



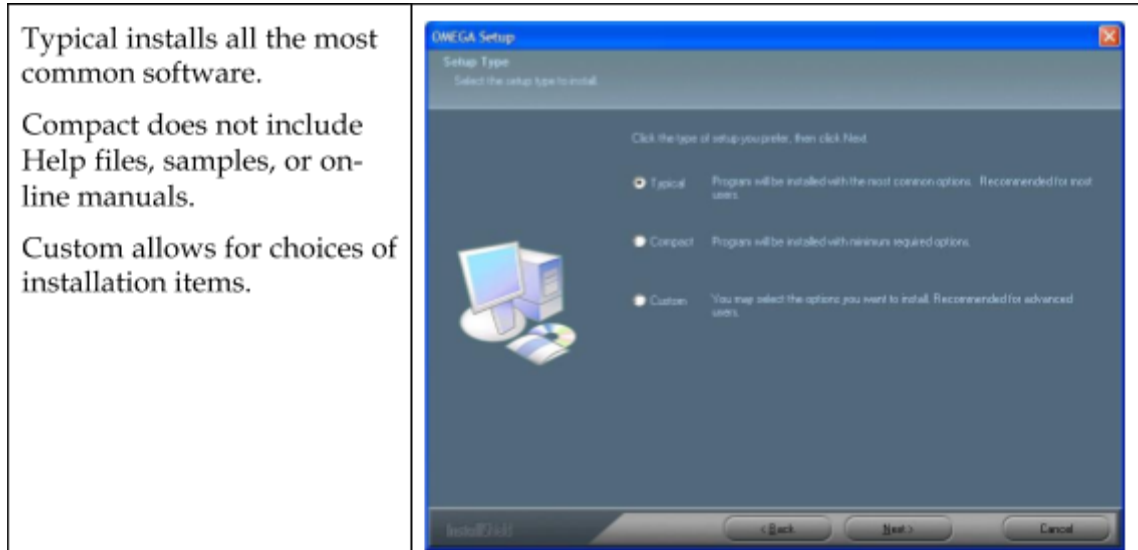
15. The Choose Destination Location dialog box opens. Choose the default location and click Next.



16. To install to a custom location, Use the browse button to navigate the folders to find the location where you want OMEGA 7.0 to be installed. Click Next.

Note: By default, Setup will install OMEGA 7.0 in the folders listed at the end of this document. GSP Fonts, Libraries, and Palettes have their own folders elsewhere on the computer. See the list of locations Use the "Gerber Folder Locations" shortcut to locate them quickly and easily.

17. The Setup Type dialog box opens. Choose from the three setup types described below. Most users select Typical.
18. Choose the setup type you desire: Typical, Compact, or Custom. Click Next



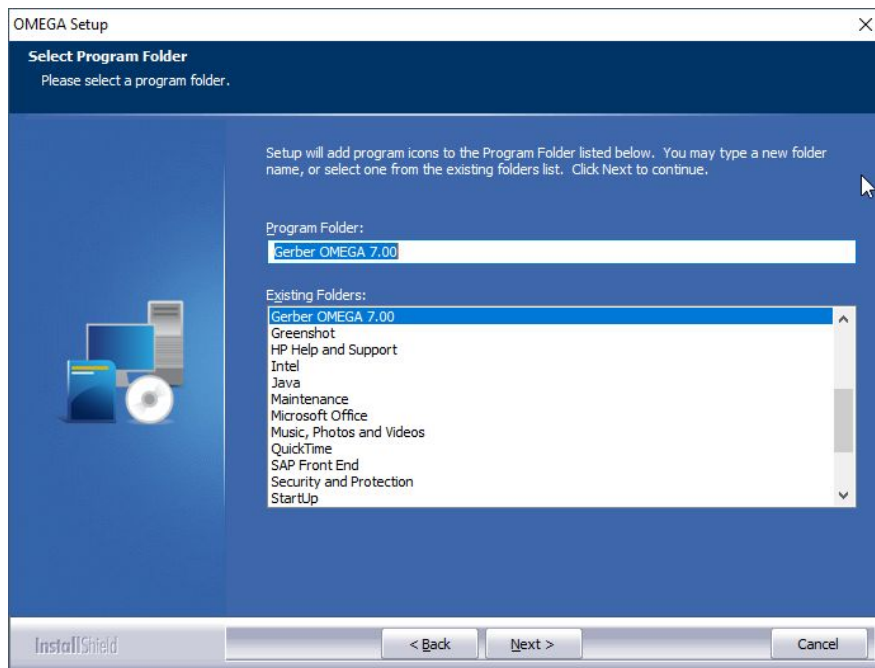
19. If custom is chosen, a screen will appear to choose the install items. Choose the items to be installed.



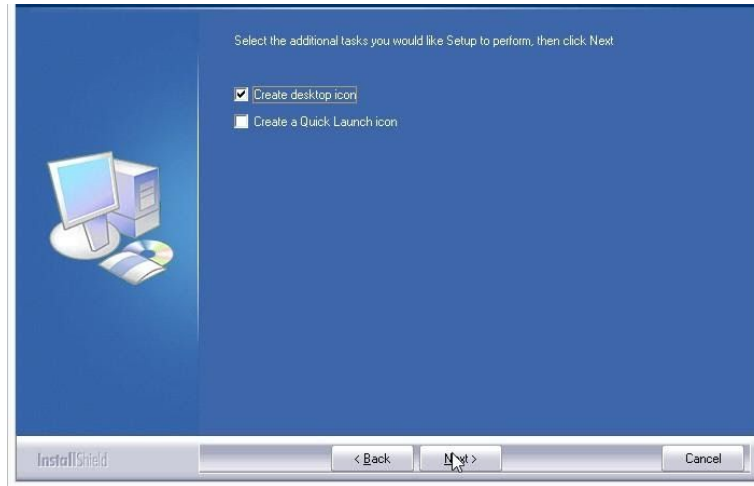
20. Click the Change button in the Select Features dialog box to open the Select Subfeatures dialog box. If a feature does not have subfeatures, the Change button is disabled.



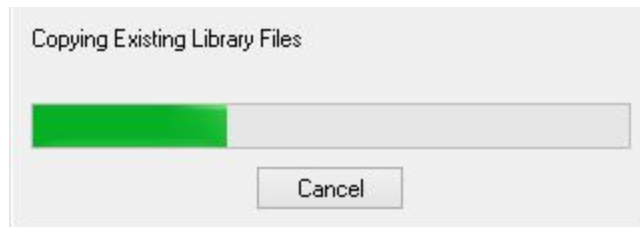
21. Choose the subfeatures to load and click Continue to continue with the installation. The Select Features dialog box reopens.
22. Follow the on-screen instructions in the Select Features dialog box. Click Next.
23. Choose the default program folder name, or enter a new program folder name.



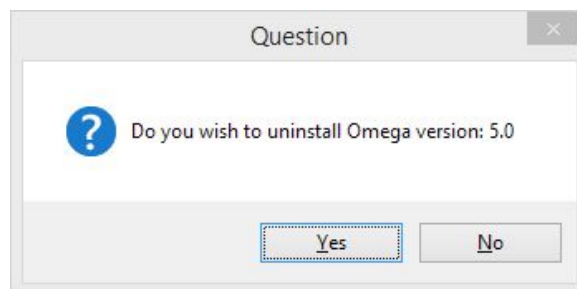
24. Choose to create a desktop icon and / or Quick Launch icon.
 - a. A desktop icon provides a shortcut to all the OMEGA 7.0 program icons, as well as a link to OMEGA 7.0 folder locations
 - b. A quick Launch icon adds a small, easily-accessed icon at the bottom of the Windows screen.



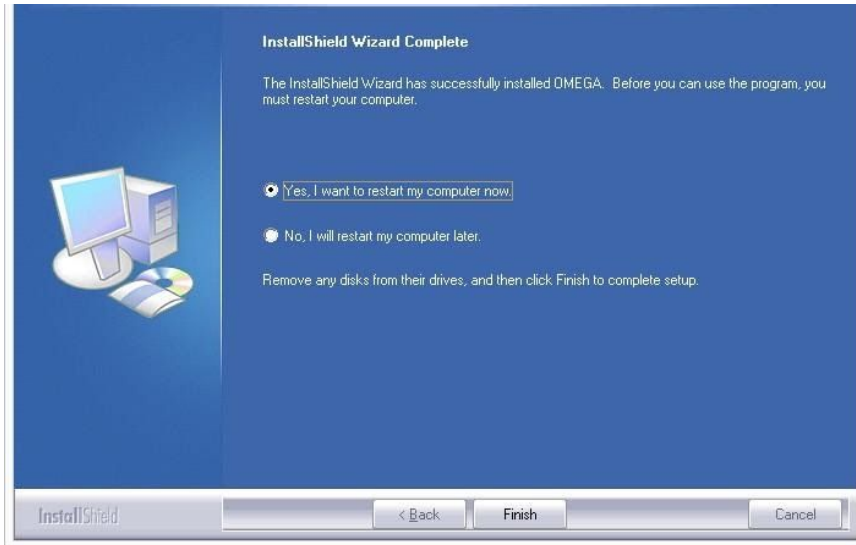
25. If upgrading and on the same PC as a previous OMEGA version, existing font files and GCA libraries will get copied for OMEGA 7.0 use.



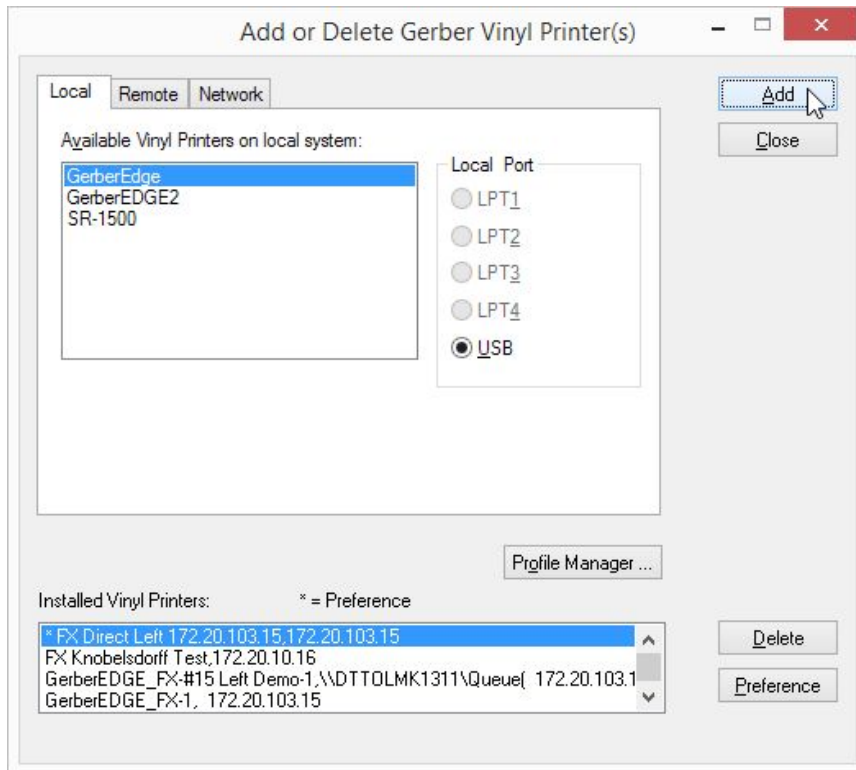
26. A progress box displays showing the files being copied, and an informational OMEGA 7.0 slide presentation will play.
27. If upgrading from OMEGA 5, 4, or 3 on the same PC as OMEGA 7.0 a prompt will appear asking if the previous versions should be un-installed. Click Yes or No for uninstalling any previous versions.
- a. OMEGA 7.0 can run side by side with OMEGA 6.5, 6.0*, 5.0*, 4.0*, and 3.0*. This can help the transition from a previous version to OMEGA 7.0.



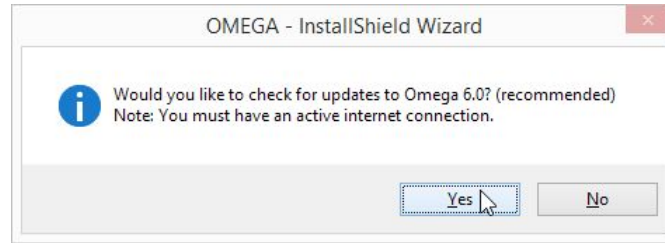
28. If a reboot prompt appears, BE SURE TO REBOOT THE COMPUTER.



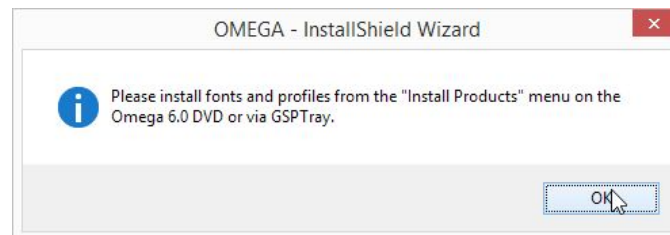
29. If a reboot prompt does not appear, additional screens will appear to install output devices. If upgrading from a previous version on the same PC, the previously installed output devices will be shown. If needed, change any output devices and click close to move to the next screen.



30. A screen will ask to check for updates. It is highly recommended to click Yes.



31. If an update is available, follow the prompts to download and install the update.
32. A screen will prompt to install fonts and profiles from the "Install Products" menu. Click OK to return to the Install Products screen where Fonts, Libraries and other items can be installed.



33. Click Finish to complete the installation. If the "View Readme" box is checked, the OMEGA 7.0 Readme file will open. Close it when done reading. If the Install plotters/printers box is checked, several dialog boxes will open in sequence.
34. Please reboot your computer even if not prompted to do so.
35. Click OK and the Install Products screen will open. Install Find My Font, Fonts, Libraries, Profiles and follow the instructions that follow.

Note: Fonts and profiles can be loaded using the OMEGA 7.0 System Software USB install thumb drive. Install Products button or GSP Tray. For more font information refer to the section "Installing fonts from the OMEGA 7.0 System Software USB install thumb drive." For more Profile information refer to "Using the Gerber Profile Manager."

Activating Arabic language support

Enabling Arabic for OMEGA 7.0 requires the following steps:

- Enable Arabic support in Windows Control Panel

- Enable Arabic fonts in Composer on the Tools > Options > Text tab.

- Install the Arabic Font Pack using Font Manager or transfer existing Arabic fonts from a previous OMEGA software package.

After enabling Arabic support for OMEGA 7.0, Arabic text may be entered using the Enter/Edit Text dialog box. Arabic text cannot be entered using Text on the Work Surface (TOWS).

For complete instructions on how to enable Arabic and load the Arabic fonts, see "Installing Arabic for OMEGA 7.0.pdf" located in the Documentation\How Tos folder on the OMEGA 7.0 System Software USB install thumb drive.

Activating Chinese language support

Enabling Chinese for OMEGA 7.0 requires the following steps:

- Enable Chinese support in Windows Control Panel

- Enable Chinese fonts in Composer on the Tools > Options > Text tab

- Install the Chinese Font Pack using Font Manager or transfer existing Chinese fonts from a previous OMEGA software package.

After enabling Chinese support for OMEGA 7.0, Chinese text may be entered using the Enter/Edit Text dialog box or the Enter/Edit Small Text dialog box. Chinese text cannot be entered using Text on the Work Surface (TOWS).

For complete instructions on how to enable Chinese and load the Chinese fonts, see “Installing Chinese for OMEGA 7.0.pdf” located in the Documentation\How Tos folder on the OMEGA 7.0 System Software USB install thumb drive.

Chapter Three: Adding Output Devices

Whether installing OMEGA 7.0 for the first time or upgrading your software, you may need to add output devices. The Add or Delete Plotters/Routers, or Add or Delete Vinyl Printers dialog boxes enable you to install the output devices. You can access these dialog boxes four different ways:

- 1 During installation of OMEGA 7.0 by turning on the Install Printers/Plotters checkbox located on the final installation screen.
- 2 By right clicking on the GSP Tray icon that is found at the bottom right of your Windows status bar and choosing Install Vinyl Printer, Install Plotter/Router. If the GSP Tray icon is not available, click Start > Programs > Gerber OMEGA 7.0 > GSP Tray.
- 3 By clicking Start > Programs > Gerber OMEGA 7.0 > GQMgr > Install menu > Plotter, Vinyl Printer, or Inkjet Printer.
- 4 By clicking one of the "Install..." buttons in the Omega Plot "Plotter/Printer Select" dialog box.

These procedures are described in the following pages:

To add output devices after installing OMEGA 7.0 software

To add or delete a local vinyl printer (USB-to-Parallel)

To add or delete a remote vinyl printer

To add or delete a network vinyl printer

To add a local plotter via a COM port

To install a plotter via a USB port

To delete a local plotter

To add or delete a remote plotter



Note: You must have Administrative privileges to install the Windows USB-to-Parallel driver or any peripheral drivers and software updates on your system. You must also turn OFF User Account Control (UAC). To do so, use the Windows search tool and type in UAC and press Enter. Click on Turn User Account Control on or off and follow instructions in the dialog box.

Chapter 3: Adding output devices at the end of OMEGA 7.0 installation



To add output devices after installing OMEGA 7.0 software

- 1 Turn on Install Plotters/Printers checkbox in the OMEGA 7.0 Setup Complete dialog box to open the Add or Delete Gerber Vinyl Printer(s) dialog box.
- 2 If you are installing a vinyl printer use one of the procedures in "Installing vinyl printers." If you are not adding a vinyl printer, click Close to display the next device installation dialog box - the Add or Delete Plotter/Router(s) dialog box. Follow the installation procedures later in this chapter.

Installing vinyl printers

OMEGA 7.0 allows you to install three types of vinyl printers:

Local (Gerber USB-to-Parallel)

Remote

Network (Gerber MAXX™ 2 or GERBER EDGE FX)



Note: There may be some screen shot variation depending on which operating system is being used.

Local vinyl printers

GERBER EDGE and EDGE 2 vinyl printers can be connected to the OMEGA 7.0 computer via a Gerber USB-to-Parallel cable.

Windows 8.0/8.1 and 10 computers do not support the needed EDGE 1 and EDGE 2 parallel port usage. Therefore you cannot communicate with a GERBER EDGE or EDGE 2 printer *VIA PARALLEL PORT*. You must use a Gerber USB-to-Parallel cable.

Or you can upgrade your thermal printer to a GERBER EDGE FX which communicates via Ethernet cable.

Installing a GERBER EDGE using the Gerber USB-to-Parallel cable

You can install a GERBER EDGE as a USB device using the Gerber USB-to-Parallel available from GSP.

See the "USB Interface Cable Installation Instructions.pdf" document on the OMEGA 7.0 USB install thumb drive in the documentation folder for EDGE USB Installation Instructions.

Do not plug in the Gerber USB to Serial or Parallel cables until instructed to do so in the instructions.

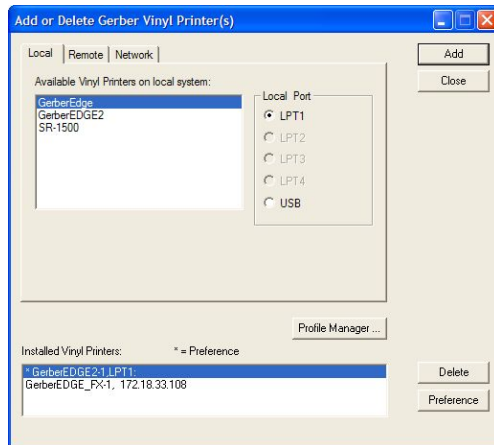
Note: This procedure assumes you have installed OMEGA 4.0 SP1 or higher.

To delete a local vinyl printer

- 1 Open the Add or Delete Gerber Vinyl Printer(s) dialog box. The Local tab displays.



Note: There may be some screen shot variation depending on which operating system is being used.



- 2 Choose the printer from the Installed Vinyl Printer to be deleted.
- 3 Click Delete.
- 4 Click Close. The next time that you access the Add or Delete Gerber Vinyl Printer(s) dialog box, the vinyl printer will be removed from the Installed Vinyl Printers field.

Remote vinyl printers



To add a remote vinyl printer

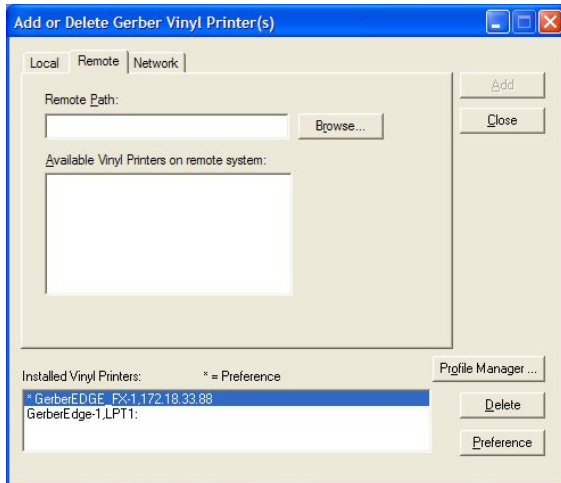


Note: Instructions for networking Gerber equipment can be found in "Chapter Seven: Networking Devices." Follow these instructions before proceeding.



Note: There may be some screen shot variation depending on which operating system is being used.

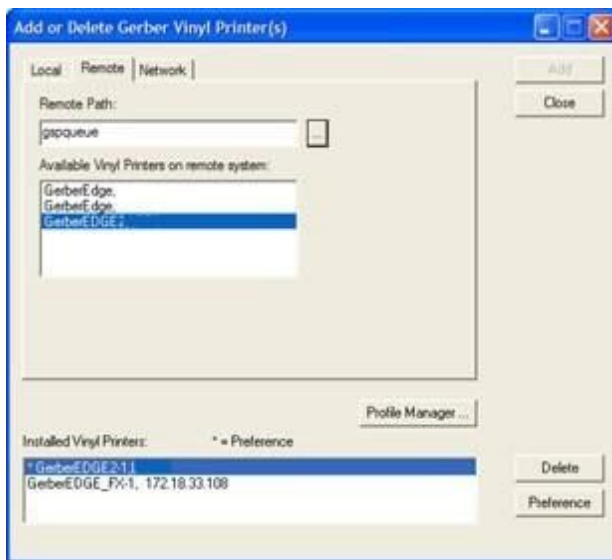
- 1 Open the Add or Delete Gerber Vinyl Printer(s) dialog box. The Local tab displays. Click the Remote tab.



- 2 Click the Browse button to open the Browse for Folder dialog box.
- 3 Select the correct drive (Gspqueue folder) for the networked printer.



- 4 Click OK to return to the Add or Delete Gerber Vinyl Printers dialog box with the Remote Path filled in.

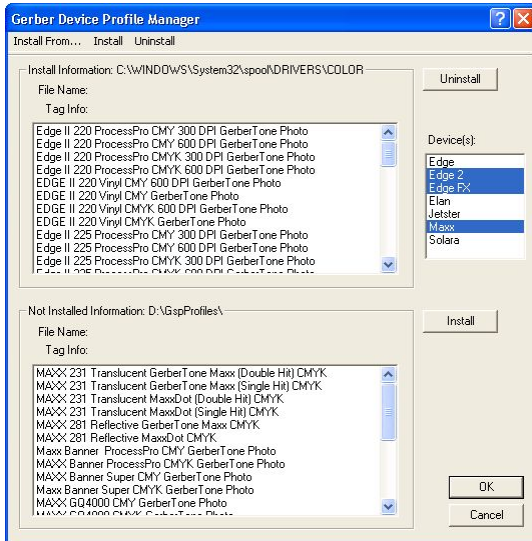


- 5 Choose a printer from the Available Vinyl Printers on the remote system list.

- 6 Click Add to open the Add-Name Device dialog box.



- 7 Use the name provided, or enter your own description and click OK. The name of the new plotter will appear in the Installed Vinyl Printers field of the Add or Delete Gerber Vinyl Printer(s) dialog box.
- 8 If you wish to modify which profiles display in OMEGA 7.0, click the Profile Manager button to open the Gerber Device Profile Manager dialog box. Turn on which profiles that you want to appear (EDGE, EDGE 2, EDGE FX, or MAXX 2) and uninstall any profiles that are unnecessary and click OK.



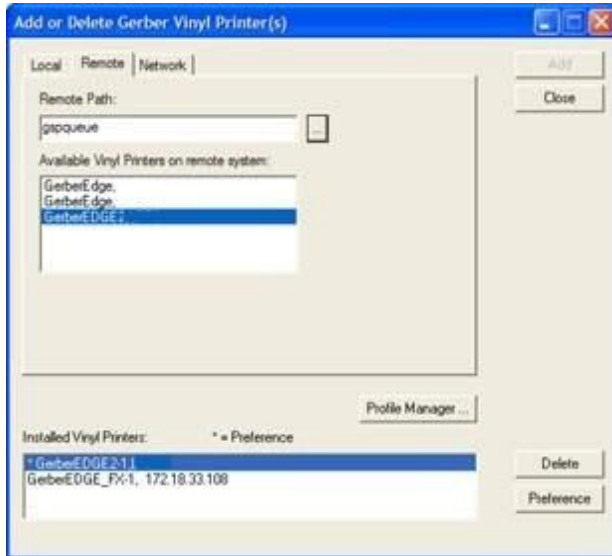
- 9 Click Close to close the Add or Delete Gerber Vinyl Printer(s) dialog box.

To delete a remote vinyl printer

- 1 Open the Add or Delete Gerber Vinyl Printer(s) dialog box. The Local tab displays.
- 2 Click the Remote tab.



Note: There may be some screen shot variation depending on which operating system is being used.

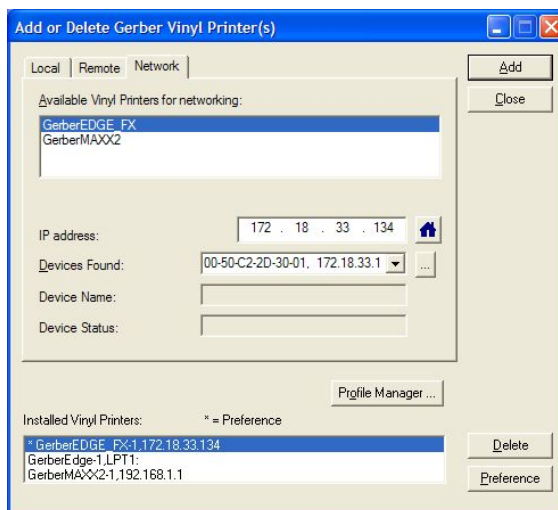


- 3 Choose the installed vinyl printer to be deleted.
- 4 Click Delete.
- 5 Click Close. The next time that you access the Add or Delete Gerber Vinyl Printer(s) dialog box, the remote vinyl printer will be removed from the Installed Vinyl Printers list.

Networked vinyl printers

➔ To add a network vinyl printer

- 1 Networked vinyl printers include the GERBER EDGE FX and the GERBER MAXX 2. Open the Add or Delete Gerber Vinyl Printer(s) dialog box. The Local tab displays.
- 2 Click the Network tab.



Note: If a Security Alert dialog box displays when installing a GERBER EDGE FX, click Unblock to allow the network connection to the GERBER EDGE FX.



Note: For HiRez printing mode to work for the EDGE FX, the firmware must be updated. See the instructions included with EDGE FX Firmware version on the OMEGA 7.0 USB install thumb drive, or on www.gerberotechnology.com.

- 3 Choose an available thermal printer from the list.
- 4 If you are installing the GERBER EDGE FX and it is visible on the network, it appears in the Available Vinyl Printers for networking box. Choose which GERBER EDGE FX to install from the Available Vinyl Printers list.

OR

If you are installing a GERBER EDGE FX you can click the Browse button to navigate to the GERBER EDGE FX printer location.

OR

If you are installing either a GERBER MAXX 2 or a GERBER EDGE FX you can type the IP number of your thermal printer in the IP Address box. Refer to your network administrator for information on obtaining this address.

- 5 Click Add and the Add - Name Device dialog box displays. Accept the default name or enter a unique name for the thermal printer.

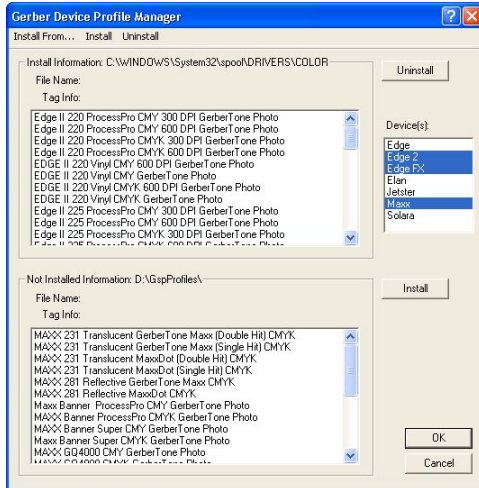



- 6 Click OK to return to the Network tab. The name of the newly installed Gerber thermal printer appears in the Installed Vinyl Printer(s) section of the Add or Delete Vinyl printer(s) dialog box.



Note: Profiles are loaded from the OMEGA 7.0 System Software USB install thumb drive. The USB install thumb drive must be installed to access the profiles.

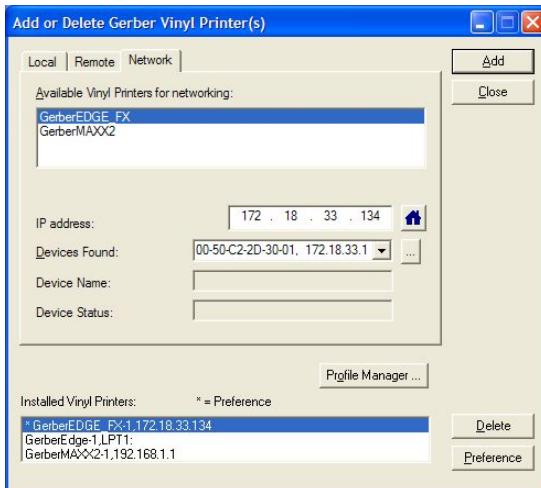
- 7 To install or modify which profiles display in OMEGA 7.0, click the Profile Manager button to open the Gerber Device Profile Manager dialog box. Select the devices from the list to display the associated profiles (EDGE, EDGE 2, EDGE FX, or MAXX, Solara, or Solara ion). Deselect the devices to hide the profiles that are unnecessary. You can also use the Device Profile Manager to uninstall and reinstall profiles. You will need to insert the OMEGA 7.0 Software USB install thumb drive to install profiles. For complete help on this topic, press F1 while in the Device Profile Manager dialog box.



- 8 Click OK to return to the Add or Delete Gerber Vinyl Printer(s) dialog box.
- 9 If you have installed a GERBER EDGE FX the Device Home page button is available to open the web interface of the GERBER EDGE FX. Once open, you may wish to make a shortcut on your desktop for easy access. 
- 10 Click Close.

To delete a network vinyl printer

- 1 Open the Add or Delete Gerber Vinyl Printer(s) dialog box. The Local tab displays.
- 2 Click the Network tab.



- 3 Select the vinyl network printer to be deleted from the Installed Vinyl Printers list.
- 4 Click Delete.
- 5 Click Close.
- 6 The next time that you access the Add or Delete Gerber Vinyl Printer(s) dialog box, the selected printer will be removed from the Installed Vinyl Printers field.

Adding or deleting a plotter

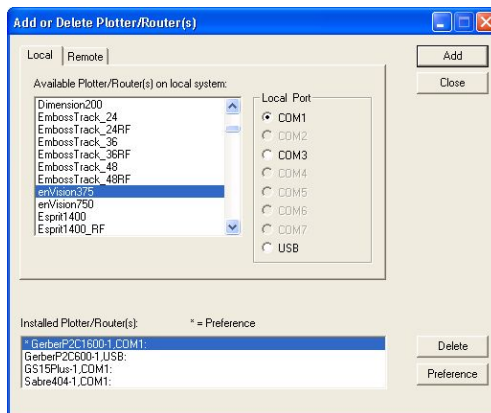
Two types of plotters can be installed with your OMEGA 7.0 system, local and remote. Many Gerber plotters are installed via a COM port, but some plotters can be installed using a USB port. In addition to installing the USB plotter in OMEGA 7.0, you will need to install the plotter driver that came with the equipment.



Tip: Occasionally a plotter will use a standard Windows driver instead of a custom driver and the driver will already be loaded on your computer.

To add a local plotter via a COM port

- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box 42. The Local tab displays.



- 2 Select a plotter from the Available Plotter/Router(s) on local system list.
- 3 Choose a Local Port.



Note: If you are installing a USB plotter such as a Gerber P2C, see the procedure entitled "Installing a plotter via a USB port."

- 4 Click Add to open the Add - Name Device dialog box.



- 5 Accept the default name or enter your own description for the device. The description appears in the output dialog boxes. Click OK. The name of the new plotter will appear in the Installed Plotter(s) field of the Add or Delete Plotter(s) dialog box.
- 6 Close the Add or Delete Plotter(s) dialog box.

To install a plotter via a USB port

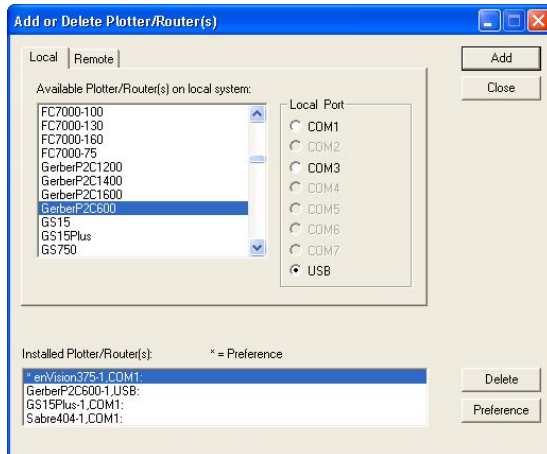
This procedure assumes you have a Gerber P2C™ plotter. A 64 bit P2C driver is on the OMEGA 7.0 USB install thumb drive.

If you are installing the Gerber Tempo, see the Gerber Tempo Setup Manual.

If you have a Gerber USB to Serial Cable, see the [USB Interface Cable Installation Instructions.pdf](#) document in the OMEGA 7.0 Documentation Folder.

If you are installing another USB plotter see the documentation that came with the plotter.

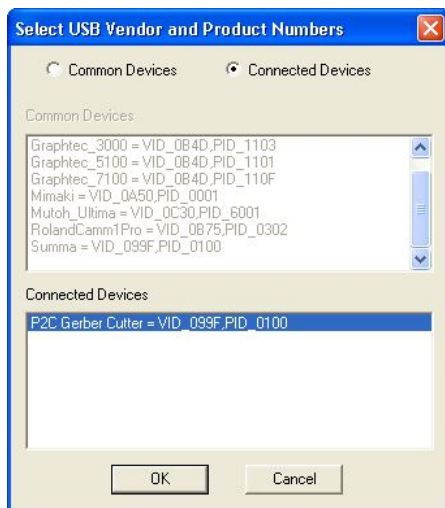
- 1 Plug in and turn on the Gerber P2C plotter (or other compatible USB plotter).
- 2 Plug the USB cable into the plotter and then into the USB port of your computer. Windows should detect the new device and display the “New hardware found” message.
- 3 When Windows displays the New Hardware Wizard, install the plotter driver using the Gerber P2C driver disk that came with the equipment. If you need specific instructions, see the PDF document located on the driver disk entitled “Installing the Gerber P2C Plotter USB Driver.”
- 4 After installing the driver, right-click Omega Tray and choose Install Plotter/Router to open the Add or Delete Plotter/Router(s) dialog box. The Local tab displays. (If the Omega Tray icon is not available, click Start > Programs > Gerber OMEGA 7.00 > Omega Tray.)



- 5 Choose the Gerber P2C (or other compatible USB plotter) and click USB for the Local Port.
- 6 Click Add to open the Add - Name Device dialog box.



- 7 Accept the default name or enter your own description for the device. The description appears in the output dialog boxes. Click OK. The name of the new plotter will appear in the Installed Plotter(s) field of the Add or Delete Plotter(s) dialog box.
- 8 Close the Add or Delete Plotter(s) dialog box.
- 9 The first time you send a job to this plotter GQ Manager will flash prompting you to open it. The Select USB Vendor and Product Numbers dialog box displays.

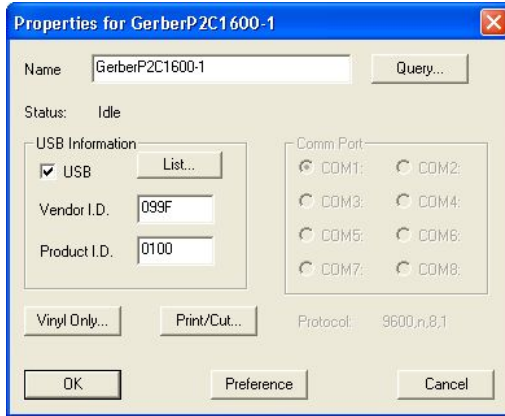


- 10 Choose the connected USB plotter from the Connected Devices list (or the Common Devices list if it is a plotter in that list) and click OK. This will load the USB information (Vendor ID and Product ID) for the plotter into OMEGA 7.0. Click OK.



Tip: If the plotter you are installing is a common device it may be listed in the Common Devices list. Turn on Common Devices to activate that list.

- 11 To view the USB plotter Vendor and Product IDs, open GQMgr. Right-click the installed USB plotter and choose Properties to open the Properties for Gerber P2C (or other plotter) dialog box.



- 12 Turn on USB and the Vendor ID and the Product ID should display in the USB information box.



Tip: The List button in the Properties dialog box returns to the Select USB Vendor and Product ID dialog box.

To install a plotter via TCP/IP connection

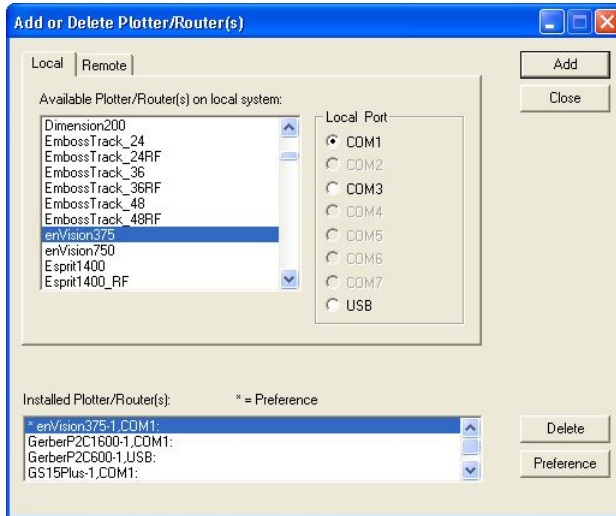
- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box 42. The Local tab displays.
- 2 Click on the Network tab. Choose the appropriate plotter from the Available Plotter(s) for networking list. Click the Add button to add it to the Installed Plotter/Router(s) list at the bottom of the dialog box.
- 3 Enter the default IP address in the IP Address field. The default IP address should be found in the original documentation provided with your plotter. If not, contact the manufacturer.
- 4 Click on the Close button to complete the process.

To delete a local plotter

- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box 42. The Local tab displays.



Note: There may be some screen shot variation depending on which operating system is being used.



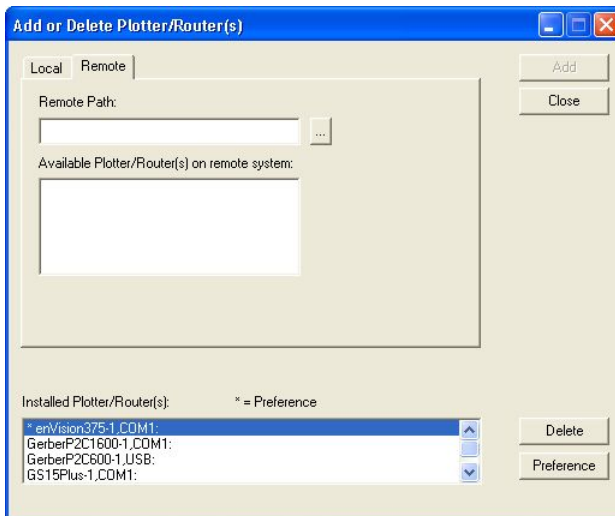
- 2 In the Available Plotter/Router(s) list box select the plotter to be deleted.
- 3 Click Delete.
- 4 Click Close.

To add a remote plotter



Note: You must map a network drive to the remote plotter. You will get errors if you browse through Network Neighborhood to select the drive.

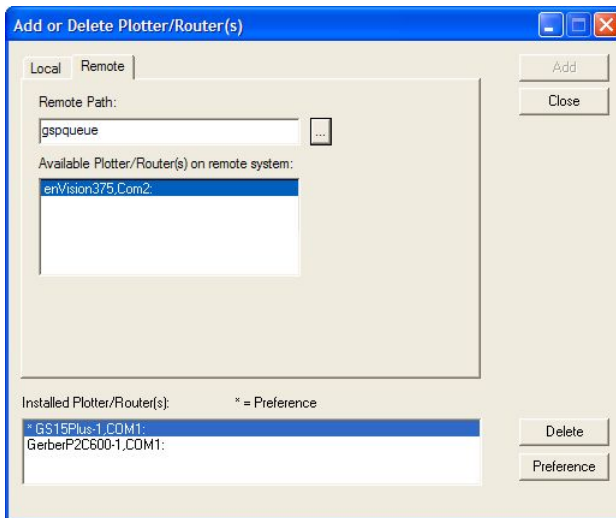
- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box.
- 2 Click the Remote tab.



- 3 Click the Browse button to open the Browse for Folder dialog box.
- 4 Select the appropriate drive (Gspqueue folder) for the remote plotter.



- 5 Click OK to return to Add or Delete Plotter/Router(s) with the Remote Path completed.



- 6 Choose a plotter from the Available Plotter/Router(s) on remote system list.
- 7 Click Add to open the Add - Name Device dialog box.



- 8 Either accept the default name or enter your own description in the Device Name text box. The description will display in the output dialog boxes.
- 9 Click OK. The name of the newly installed plotter appears in the Installed Plotter/Router(s) section of the Add or Delete Plotter/Router(s) dialog box.
- 10 Click Close to return to the Plotter/Printer Select dialog box.



To delete a remote plotter

- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box 42.
- 2 Click the Remote tab.
- 3 Select the installed plotter to be deleted.
- 4 Click Delete.
- 5 Click Close.

Installing fonts from the OMEGA 7.0 System Software USB install thumb drive

Gerber Font Manager is accessible from the OMEGA 7.0 System Software USB install thumb drive, the OMEGA 7.0 program list, or from OMEGA Tray 7.0. When open, Gerber Font Manager displays fonts that are currently loaded on your system in the left pane and uninstalled fonts that are on the OMEGA 7.0 System Software USB install thumb drive in the right pane. Fonts that can be installed from the drive for free display in black. At the bottom of the dialog box, underneath the left pane are three color-coded notations:

Not on drive or needs to be Purchased: Purple fonts in the installed list are installed on the computer but not on the disk. These fonts may have been separately purchased, purchased from another source, or fonts you created yourself.

Not Secured for System: Red fonts in the list will not be used by OMEGA 7.0.

Purchasable Fonts: Blue fonts in the list indicate that they can be loaded from the disk if you choose to purchase that font pack. Fonts are loaded from the disk using a password obtained at purchase.

Fonts are installed from the disk to your computer by highlighting one or more fonts in the Uninstalled Fonts list (right pane) and clicking Install/Purchase. Free fonts (which install immediately) are removed from the Uninstalled Fonts list and appear in the Installed Fonts list. If the font is part of a purchasable font pack, the Gerber Font Pack Purchase password dialog box displays so that you can enter a password.

To install fonts from the OMEGA 7.0 System Software USB install thumb drive

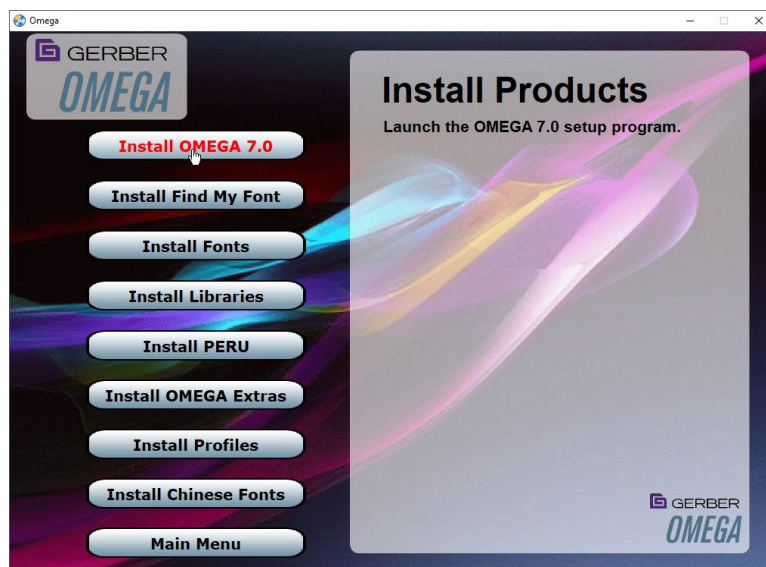
- 1 Insert the OMEGA 7.0 System Software USB install thumb drive. The OMEGA 7.0 Setup Wizard should automatically display. Click Start > Run, then Browse the drive for Setup.exe;



Note: There may be some screen shot variation depending on which operating system is being used.



- 2 Click Install Products to open the Install Products screen.

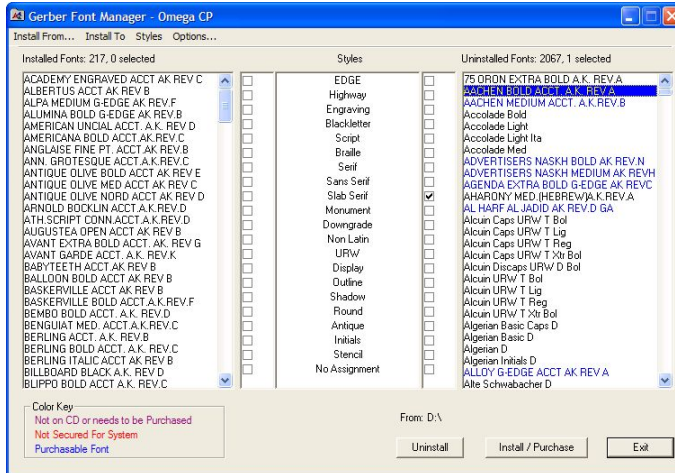


- 3 Click the Install Fonts button to open Font Manager.



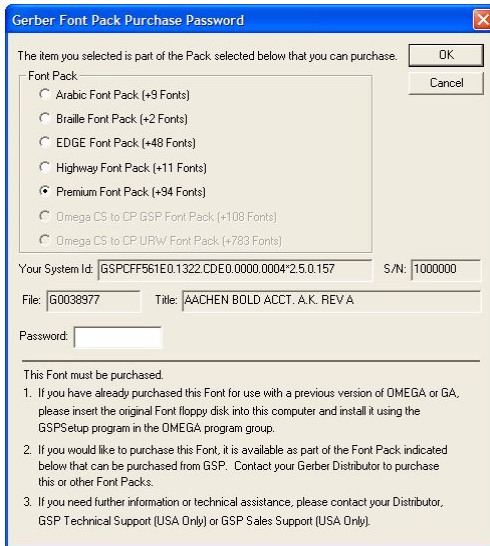
Tip: You can also open the Font Manager from the Gerber OMEGA program group, or right-click the Omega Tray icon and choose Font Manager.

The USB install thumb drive must be in the drive to access the fonts.



- 4 In the Uninstalled Font list click on the fonts to install so that they are highlighted. Use the Windows convention of Shift+click or Ctrl+click to select multiple fonts.
- 5 Click Install/Purchase. Free (black) fonts automatically install into a designated folder. The font folder location is shown when clicking the Install To menu item. You can access the folder anytime by going to the Gerber OMEGA 7.0 program group and selecting Gerber Folder Locations and then Gerber Fonts.

Purchasable (blue) fonts require a password for installation. The Gerber Font Pack Purchase Password dialog box automatically displays when you attempt to install a purchasable font.



- 6 Enter the Password from the Password Envelope provided when you purchased the font pack. If your password is missing contact your Gerber distributor or Gerber Service. Please have your OMEGA 7.0 serial number, GSP System identification number, and your sales order number available when you call.
- 7 Click OK and the fonts you have selected install in the C:\Program Files\Gerber Scientific Products\OMEGA 7.0\GSPFonts folder. Fonts in the font pack that were not selected are made available for installation and now display in black rather than blue

in the Uninstalled Fonts list. You may select one or more of these fonts from the list and install them.



Tip: You can also right-click on the font and select Install.

Uninstalling fonts

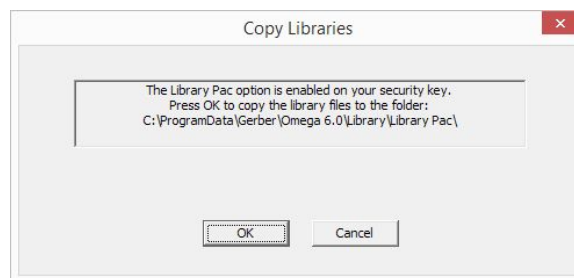
The Font Manager dialog box displays installed and uninstalled fonts. Installed fonts are available for use in Composer. If you uninstall a font it is not permanently deleted. Uninstalled fonts that are not located on the OMEGA 7.0 System Software USB install thumb drive are moved to the ni (not installed) folder where they can later be reinstalled. You can access the folder anytime by going to the Gerber OMEGA 7.0 program group and selecting Gerber Folder Locations and then Gerber Fonts.

Installing the Gerber Library Pack (Now Included with OMEGA)

A number of free Gerber Library folders containing Gerber Clip Art (GCA) install automatically with OMEGA 7.0. Additional Library files formerly available for purchase can now be installed from the OMEGA 7.0 System Software USB install thumb drive at no charge.

To install a purchasable Gerber Library using the OMEGA 7.0 USB install thumb drive

- 1 Insert the OMEGA 7.0 System Software USB install thumb drive. Browse to and execute the setup.exe file
- 2 Click Install Products to open the Install Products screen.
- 3 Click Install Libraries to open the Copy Libraries dialog box.



- 4 With OMEGA 7.0, a message will appear stating that Libraries will be copied to your hard drive.
- 5 Click OK and the GCA files are copied to the disk into the Libraries folder. All GCA files in that Library pack folder are now available for use.

Using the Gerber Device Profile Manager

The Gerber Device Profile Manager allows you to install or remove ICC profiles for Gerber printers. The Gerber Device Profile Manager can filter device profiles so that only the profiles for the printers in your workflow are available.

Profiles are no longer automatically installed during OMEGA 7.0 installation. You must install profiles from the OMEGA 7.0 System Software USB install thumb drive. If you delete device profiles using the Gerber Profile Manager, they are removed permanently from your system. If you want these profiles in the future, you must reinstall them from the original OMEGA 7.0 System Software USB install thumb drive.

Installing ICC profiles using the OMEGA 7.0 System Software USB install thumb drive

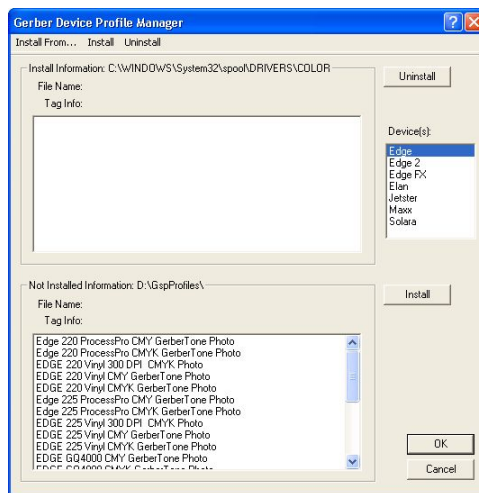
You can install new ICC device profiles from the OMEGA 7.0 System Software USB install thumb drive or reinstall previously removed profiles using the Gerber Device Profile Manager.

To install ICC profiles

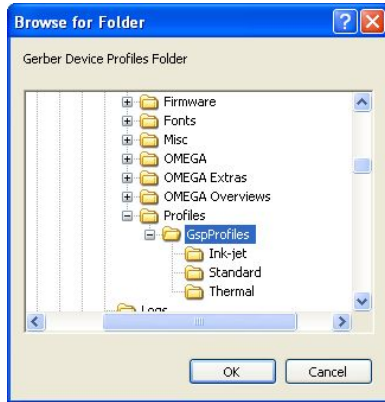
- 1 Insert the OMEGA 7.0 System Software USB install thumb drive. Browse to and execute the setup.exe file.
- 2 Click Install Products to open the Install Products screen.
- 3 Click the Install Profiles button to open the Gerber Device Profile Manager.



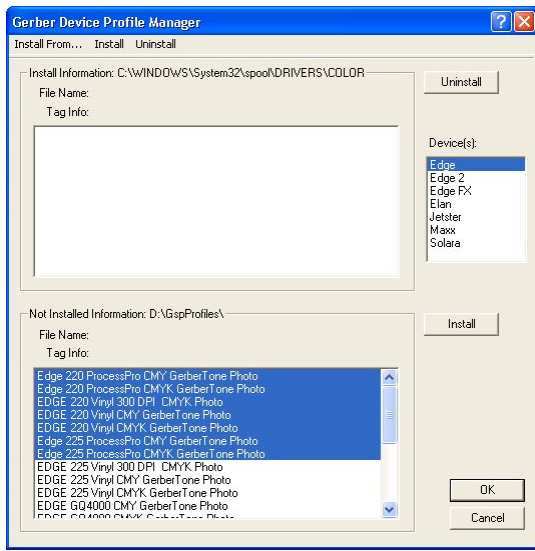
Tip: You can also open the Device Profile Manager by right-clicking the Omega Tray icon and selecting Device Profile Manager. If the Omega Tray icon is not available, start it from the Gerber OMEGA 7.0 program group. Alternatively you can open the Profile Manager from any Add or Delete Printer dialog box, click the Profile Manager button.



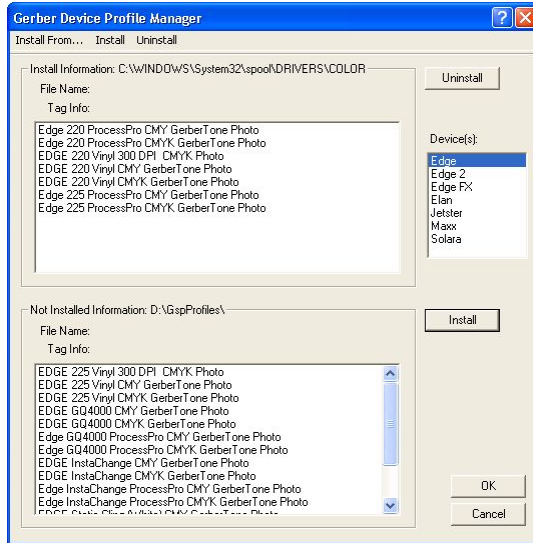
- 4 Choose a device from the Device(s) list.
- 5 Click Install From... to open the Browse for Folder dialog box. Browse to the GSP Profiles folder on the OMEGA 7.0 System Software USB install thumb drive.



- 6 Click OK to return to the Gerber Device Profile Manager dialog box. The profiles that are available to install display in the Not Installed Information box.



- 7 Select the ICC profiles to load from the Not Installed Information list. Use the Windows convention of Shift+click or Ctrl+click to select multiple profiles.
- 8 Click Install. The newly installed profiles appear in the Install Information portion of the dialog box.



Tip: To see detailed information on an individual profile select that profile in the Installed or Not Installed list and the File Name, Tag Information, and location display.

9 Click OK.

Filtering ICC profiles using the Gerber Device Profile Manager

Only the profiles for the printers highlighted in the Device(s) list of the Gerber Device Profile Manager dialog box are available in OMEGA 7.0. You may select one or more devices from the list using the Windows standard Ctrl+click or Shift+click conventions.

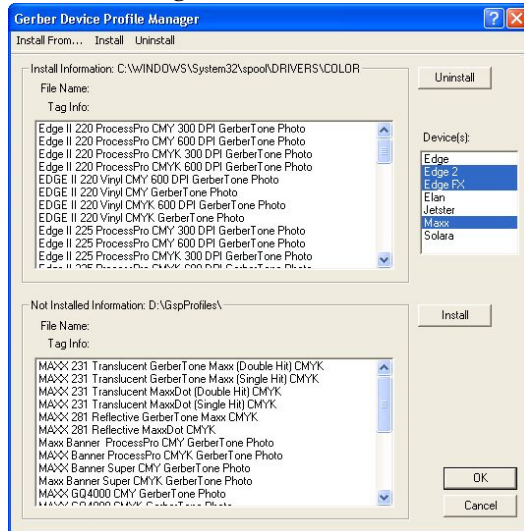


To filter ICC profiles using the Gerber Device Profile Manager

1 To open the Gerber Device Profile Manager right-click the Omega Tray



icon and select the Device Profile Manager, or from any Add or Delete Printer dialog box, click the Profile Manager button.



- 2 Select the devices in your workflow. Only profiles that are installed for those devices will display in OMEGA. Use the Windows convention of Shift+click or Ctrl+click to select multiple devices.
- 3 Click OK.

Removing ICC profiles using the Gerber Device Profile Manager

You can permanently remove unnecessary ICC device profiles from your system using the Gerber Device Profile Manager. Removing profiles for equipment that is not in your workflow makes it easier to select the correct profile.



Note: If you delete device profiles using the Gerber Device Profile Manager, they are removed permanently from your system. If you want these profiles in the future, you must reinstall them from the OMEGA 7.0 System Software USB install thumb drive.



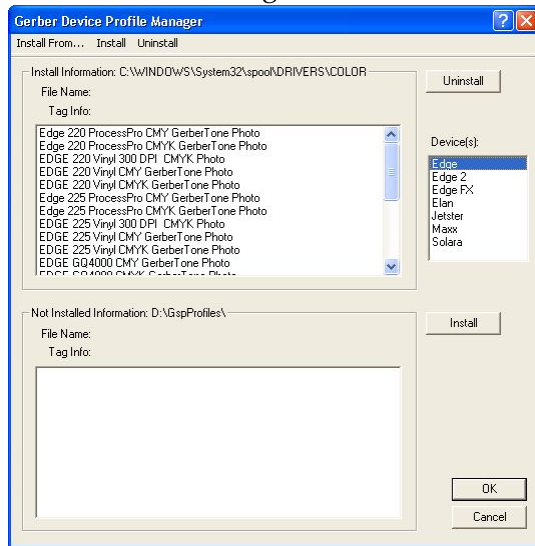
To remove ICC profiles using the Gerber Device Profile Manager

- 1 To open the Gerber Device Profile Manager right-click the GSP Tray



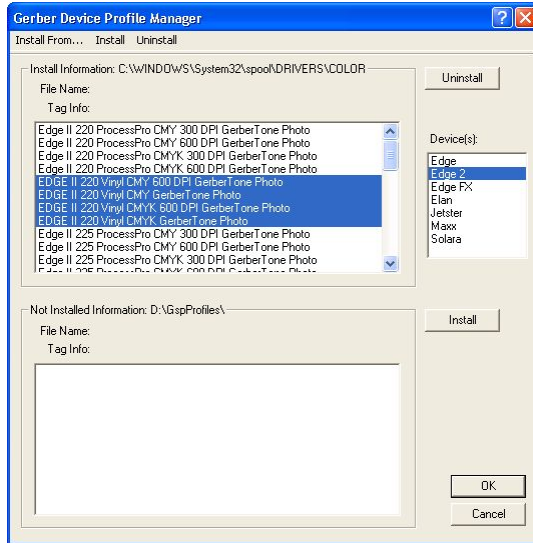
icon and select the Device Profile Manager, or from any Add or Delete Printer dialog box, click the Profile Manager

Profile Manager ...



button.

- 2 Choose one or more devices from the Device(s) list.
- 3 Select the ICC profiles that you wish to remove from the Install Information list. Use the Windows convention of Shift+click or Ctrl+click to select multiple profiles.



- 4 Click Uninstall. The selected profiles are permanently removed from your system and no longer display in the Install Information list.
- 5 Click OK.

Making the required update to Sabre firmware

The firmware on Sabre routers must be at revision level L.0 or later in order for the router to work with the version of ART Path included with OMEGA 7.0. It is easy to upgrade your router to the latest revision of firmware using the GSP Flash Downloader program located in the Firmware folder on the OMEGA 7.0 System Software USB install thumb drive. GSP Flash Downloader is the program used to upgrade the operating system in your Gerber Sabre to a new revision level. It accomplishes the same thing as installing new integrated circuit chips into the Sabre. Do not use any other Flash Downloader program that you may have on your system or on any other media. The G32Flash V3.1.2.exe included on this disk guards against loading an incompatible version of the operating system on your Sabre.



CAUTION: Attempting to install the wrong version of the operating system on your Sabre router WILL damage it. Be sure to follow these instructions carefully and use only the G32Flash V3.1.2.exe to upgrade your Sabre.

First, determine the current Rev level of your Sabre firmware.



To determine the Rev level of Sabre firmware

- 1 From the Sabre MAIN MENU 2, choose C: Configuration. The CONFIGURATION 1 menu displays.
- 2 Choose C: Revision level. The REVISION menu displays.
- 3 On the Control line carefully note all the letters and numbers that follow.



To decide if the firmware can be updated

- 1 If the Control is any version of A, B, C, or D, STOP. You must contact Gerber Service at 860-871-8082 or 800-828-5406 for assistance. If you are outside the United States, you must contact your authorized Gerber distributor.
- 2 If the Control is E.6A, F.5, H.0, I.4, or L.2E, or N.3E, you can upgrade the operating system using one of the SAB_Q00x.sre files. Sabre routers at any of these revision levels have a 1MB control board and can only have one language version of the operating system at a time. The folders for individual language versions of the Q.0x operating system are as follows:

FOLDER	FIRMWARE FILE	LANGUAGE
Q0 - DUTCH	SAB_Q00D.sre	Dutch
Q0 - ENGLISH	SAB_Q00E.sre	English
Q0 - FRENCH	SAB_Q00F.sre	French
Q0 - GERMAN	SAB_Q00G.sre	German
Q0 - GERMAN	SAB_Q00I.sre	Italian
Q0 - ITALIAN	SAB_Q00P.sre	Portuguese
Q0 - SPANISH	SAB_Q00S.sre	Spanish

- 3 If the Control is L.0, L.2, or N.3 you can upgrade the operating system using the T1 operating system file SAB_T01_.sre. Sabre routers at these Control levels have a 4MB control board, which can accept the operating system upgrade that contains all language versions. After upgrading the operating system to T1 you can select one of the languages at the Sabre keyboard.

If the operating system is at Rev level L.0, L.2, L.2E, or N.3 it will work with the OMEGA 7.0 version of ART Path. However, Gerber recommends that you upgrade to the latest operating system.

➔ To update your Sabre router's firmware

- 1 Determine to which COM port the Sabre is connected. Verify the connection by opening GQMgr.

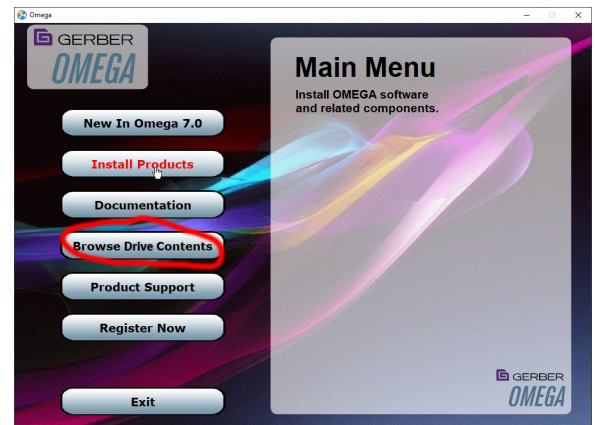


CAUTION: Attempting to install the wrong version of the firmware on your Sabre router WILL damage it. Before you go any further, make certain that the version of the firmware you select conforms to the previous instructions.



Note: There may be some screen shot variation depending on which operating system is being used.

- 2 In Windows Explorer select the desired operating system. If the Control is E.6A, F.5, H.0, I.4, L.2E, or N.3E, navigate to Firmware\Sabre\Q0x - 1MB folder located on the OMEGA 7.0 System Software USB install thumb drive. Browse to and execute the setup.exe and then click the Browse Drive Contents button. Within the Sabre folder, double click the desired Q0 - language folder. For example, Q0 - Italian.
- 3 If the Control is L.0, L.2, or N.3 navigate to Firmware\Sabre\T1 - 4 MB folder located on the OMEGA 7.0 System Software USB install thumb drive. Insert the USB install thumb drive. Browse to and execute the setup.exe and then click the Browse Drive Contents button to locate the Firmware\Sabre\T1 - 4 MB folder.
- 4 Double-check your operating system selection. If you are not certain which operating system version to install, call Gerber Service at 860-871-8082 or 800-828-5406 before continuing.
- 5 Double-click G32Flash V3.1.2.exe to open the Downloader program. The G32Flash 3.1.2 GSP Flash Downloader window displays.
- 6 Confirm that the desired SAB_Q00X.sre (where X is the language indicator) or the SAB_T01_.sre file displays in the File box.
- 7 Confirm that Router is selected in the Device box.
- 8 In the Port box click the COM port to which the Sabre is connected.
- 9 Click Download. As the selected operating system file downloads, a slider bar tracks progress. Status messages will appear in the Status/Download History box.
- 10 When the word Done appears in the Status/Download History box, the Sabre will reboot. The Sabre is now upgraded to the new operating system. Press Exit to close the G32Flash window.
- 11 The Sabre keyboard should ask you to confirm the table size (404 or 408). Toggle to the correct option and press ENTER.



- 12 The Sabre keyboard should then ask you to confirm the router motor type. Toggle the A key to display the type of routing motor currently installed on your router and press ENTER.
- 13 The Sabre displays the message to orient. Press A.

Troubleshooting the Sabre firmware update

If you choose the wrong device or you choose the wrong COM port, the following message appears in the Status/Download History box:

Error: No response from device. Abnormal Termination - Download NOT successful.

After selecting the correct COM port or device, run the upgrade again by pressing Download.

Selecting a language for a 4 MB Sabre

After updating the Sabre firmware to revision T1 you can select the language you wish to use.



To select a language with a T1 - 4 MB Sabre operating system

- 1 From Main Menu 2 of the Sabre keyboard, choose C: Configuration. The CONFIGURATION 1 menu displays.
- 2 Press the UP arrow key to display the CONFIGURATION 2 menu.
- 3 Press B: Setup to display SETUP MENU 1.
- 4 Press the UP arrow key to display SETUP MENU 2.
- 5 Press A: Select Language to display the SELECT LANGUAGE menu.
- 6 Press A until the correct language displays.
- 7 Press Enter to accept the language and return to the SETUP MENU1.

Chapter Four: Beyond Getting Started

Where do you go from here? This chapter provides information about your registration card, locating your OMEGA 7.0 System ID and Serial Number, customer support, recovery information, and computer viruses.

Registration card

The fastest way to register OMEGA 7.0 is **ONLINE** at:

<https://www.gerbertechnology.com/sign-graphics/forms/software-registration/>

If you do not have Internet access, please complete and return the registration form to Gerber. You may also fax this form to **860-871-3862 Attention: Gerber Service**. As a registered OMEGA user, you will periodically receive information on OMEGA 7.0 updates and new product information as it becomes available. Be sure to send any other hardware registration cards to their respective manufacturers.



Note: By completing and returning the OMEGA 7.0 end-user registration card, you acknowledge and accept the terms and conditions of the GSP Software License Agreement and limited warranty for disk media and any applicable security device.

Locating the System ID and Serial Number

You will need your OMEGA 7.0 System ID number and OMEGA 7.0 Serial Number when you order any OMEGA 7.0 option or talk to Gerber Service.



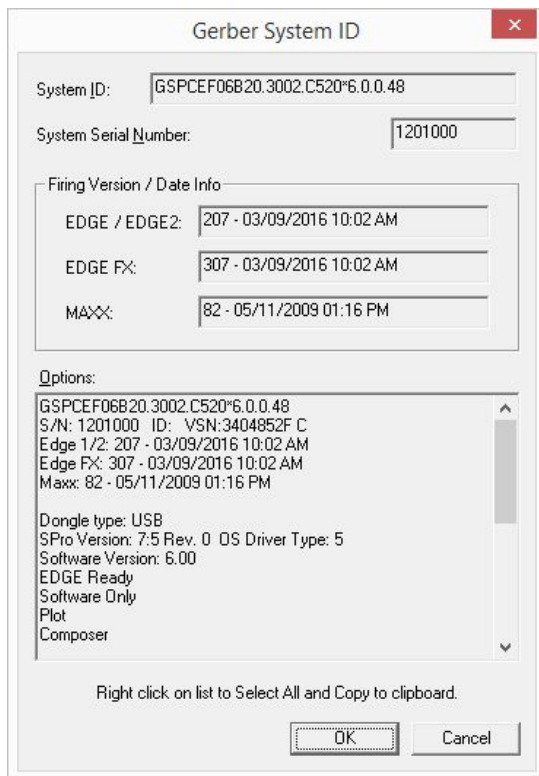
To locate the System ID and Serial Number

- 1 If Omega Tray is not running open it by clicking Start > Programs > Gerber OMEGA 7.0 > Omega Tray. The colorful Omega Tray icon displays in the Windows Status Bar.
- 2 Right-click on the Omega Tray icon from the Status Bar to open the Omega Tray menu.

NOTE: You can also use the WINBLOCK Utility on the OMEGA USB install thumb drive to create a report of your serial number and system ID number. Browse to and execute the setup.exe file. Install the security key, then from the main install menu, click Product Support, then click Security Key Report.



- 3 Click System Identification String from the list. The Gerber System ID message box opens. The Gerber System ID dialog box provides the System ID and System Serial Number. (The System ID number is also printed on a label on the security



key.)

Getting Help right in OMEGA 7.0

The on-screen Help system of OMEGA 7.0 software is designed to quickly and easily provide up-to-date procedures and information for you while you are working.

There are several ways to open Help topics:

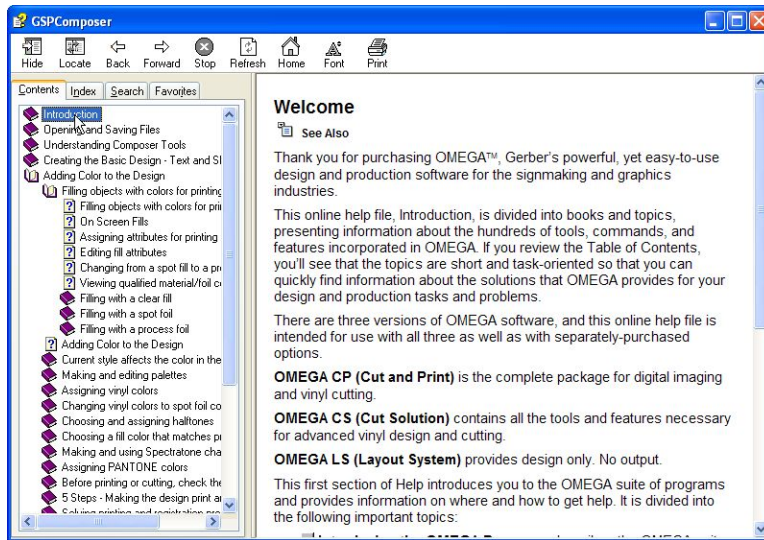
In a dialog box, press F1 to get general information about that dialog box.

Press Shift+F1 or click the arrow/question mark in the standard toolbar to turn the cursor into a question mark, then click a tool, command, or menu item to get information.



Click Help > Help Topics to open the Help window.

Note: There may be some screen shot variation depending on which operating system is being used.



Finding a topic

The Navigation pane on the left side of the window contains three tabs – the Contents tab (shown in the illustration), the Index tab, and the Search tab. The Contents tab is arranged in the same order as the Table of Contents of the reference manual and is synchronized with the topic displayed in the Topic pane in the right side of the window. The Index tab displays an alphabetical listing of the keywords associated with topics. The Search tab provides access to full-text search.



Note: To open or close the Navigation pane, toggle the Show or Hide button on the Help toolbar.



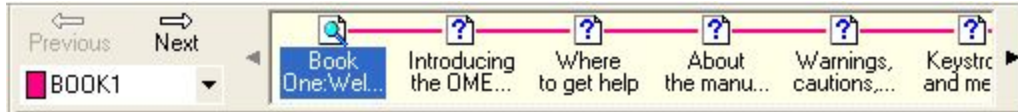
Tip: If you open the Index tab, a quick way to find a topic is to type a word related to what you want to do. For example, if you want to move an object, type “Move.” The list automatically scrolls to display the word “Move” highlighted and the subtopics under it.

Finding additional topics in the Topic pane

The Topic pane contains two additional navigation tools. Clicking on words or phrases that are in underlined green type displays additional information directly related to the open topic. For example, in the “Decorative borders” topic, there are subtopics such as “Set the radius” and “Absolutely size the border.”

If you click the Prey or Next arrows, you sequentially step forward and backward through the main help topics in the order in which they appear in the Table of Contents. You can also click on one of the topics which are also shown to the right.

The down arrow list (shown below as Book 1) provides Browse Sequences of related topics. Choose the Browse Sequence from the list to display those topics.



Another navigator tool is the “See Also” button directly below the topic title. Clicking on this button displays a Topics Found list box with topics, both directly and indirectly related to the open topic. For Example, in the Decorative borders topic, there are topics such as “Setting the radius” and “Absolutely sizing the border” as well as topics related to drawing in general, such as “Circles and ellipses” and “Rectangles and squares.”

Finding previously-viewed topics

Click Back in the Help toolbar, you sequentially step back through each of the topics you have viewed since you opened Help in this working session. Alternatively you can choose the Back command from the Options menu.

Printing topics


If you need a paper copy of a topic, you can print it right from the Help window.

➡ To print a help topic

- 1 Click Options > Print or click on the Print button on the Help toolbar to open the Print dialog box.
- 2 Choose the print options and then click OK.

Customer support

If you have questions about OMEGA 7.0, you can contact Gerber Service by any of the methods listed below. If you are a Support First™ member, use your toll-free assistance number.

 phone: 860-871-8082 or 800-828-5406
fax: 860-871-3862

 e-mail: gpservice@gerbertechnology.com

 <http://www.gerberetechnology.com/signage> or
www.gspinc.com

Before calling with a software question, have the applicable information available:

Microsoft® Windows release numbers

GSP system ID and serial numbers

The OMEGA 7.0 System Software USB install thumb drive, Windows DVD, and the computer hardware utilities disks

Gerber hardware

If you need assistance with any Gerber hardware, contact Gerber Service at 860-871-8082 or 800-828-5406. Have the following information available:

OMEGA 7.0 system serial number

Gerber hardware serial number and model

Complete description of the problem

FastFacts

Gerber FastFacts™ provides answers to technical and service questions. FastFacts are available in the Support section of the GSP website: www.gerberetechnology.com/eservice

Chapter Five: Troubleshooting

This chapter of the manual is divided into two parts:

- Questions and answers regarding setting up OMEGA 7.0
- Error messages

Questions and answers

I'm a previous GRAPHIX ADVANTAGE customer who is upgrading my system. The label on my upgrade kit is missing, so when the system asks for the password I don't have one. What should I do?

All GRAPHIX ADVANTAGE to OMEGA 7.0 upgrades have new security keys which are pre-made to the current version. You will not need a password to install OMEGA 7.0. You should remove your existing security key from the computer and follow the instructions as outlined in the Getting Started Manual.

Where do I find the OMEGA 7.0 serial number and system ID?

Right-click the Omega Tray icon from the Windows Tray in the bottom right corner of your screen. Choose System Identification String from the menu list. The serial number is also located on the security key. (If the Omega Tray icon is not available, start it from the OMEGA program group.)

When I try to install the software, I get an error message telling me to close all Gerber applications?

It probably means that you minimized a Gerber program to an icon, rather than closing it (Omega Plot or Omega Tray, for example). Check the task bar at the bottom of your desktop and close the application.

My system cannot communicate with the plotter?

- Check the cables to ensure that they are correctly and securely installed, or try another COM or USB port.
- Ensure you are connected directly to the computer with no adapters between the computer and plotter. Depending on the plotter, some USB adapters are acceptable. See "Adding or deleting a plotter" for more information.
- Verify you have selected the appropriate plotter driver in Omega Tray.
- Verify the queue folder is shared as gspqueue on both systems, if this is a networked/remote device.
- See Chapter Seven: Networking Devices.

- Ensure you are not installing an output device on a Layout Station.
- If Windows Vista or 7, turn off/configure User Account Control (UAC).
- If device uses a USB cable, verify Vendor ID and Product ID
- Ensure local user has permission to output.
- Ensure local user has permissions to read/write/modify the queue folder
- If you are still unsuccessful, call Gerber Service at 860-871-8082 or 800-828-5406 to verify the installation.

I sent a job to the GERBER EDGE through the Omega Plot program. Nothing prints or a data error occurs. What should I do?

- Be sure that the GERBER EDGE cable is attached directly to Gerber USB to Parallel Cable and not to a switch box or USB hub or extender.
- Verify that the cable is fully connected to the GERBER EDGE and the computer. All cable screws and clips must be fully installed to provide adequate grounding.
- It is strongly recommended that both the computer and the GERBER EDGE are plugged into the same power strip. This provides a common ground. Different ground potentials between different outlets may cause communication problems between the PC and peripheral devices.
- Be sure that the GERBER EDGE is turned on before starting Composer or Omega Plot.
- Static can cause a data error – put static mats under the equipment and the operator; have a material catcher for the vinyl to drop into.
- You may be using a USB cable (generic or Gerber). Be sure to use a Gerber USB to Parallel Cable (P83301A) and set the EDGE interface setting to USB.
- Gerber EDGE FX – ensure cable is connected to a network card.
- Verify IP address [see FX Manual].
- Use static IP address [see FX Manual].

I am upgrading my system and have previously purchased the Braille option, but now I can't find the Braille icon.

The system looks for the Braille option and then creates the icon during installation. The application installs when you install the USA Braille and/or USA Braille Relief fonts via Font Manager.

Technical support messages

If you receive a message similar to one below, you need assistance from a Gerber Service Representative (call Gerber Service at 860-871-8082 or 800-828-5406). See Customer Support on page 72 for further necessary information.

Cannot find location...

Cannot find or create...

Decompress failed on file...
Decompression failed on.....-installation aborted
Error attempting...
Error creating...
Error returned...
Illegal key configuration...
Reboot failed...
Still cannot read...
Still cannot update...
Unable to define...
Unable to determine available disk space...
Unable to display...
Use DLL function failed...
Other messages

Key Read Error

Refer to the "Understanding security issues" section, if necessary, to make sure that the key is securely connected, as well as installed in the correct port, and then reboot your computer. If this fails, call Gerber Service at 860-871-8082 or 800-828-5406.

Cannot install OMEGA 7.0 on a remote drive

You can only install OMEGA 7.0 on a local drive of the computer where the USB security key is located.

Gerber recommends at least ### MB of memory...Do you want to continue?

If you continue without adding the recommended amount of memory, your system will operate more slowly and you may not be able to output large jobs.

Not enough space on...

Select another drive. Another solution is to note how much space is needed, exit installation, make room on the hard disk by removing files, and then start the installation again. Also, consider a Compact or Custom installation. Refer to "Choosing the setup type" for more information on Compact installations. See "Computer Hardware and Software Requirements" for more information on page 27.

Chapter Six: HPGL Plotter Installation

Working with HPGL plotters

OMEGA 7.0 allows you to connect an HPGL plotter. HPGL is an acronym for Hewlett-Packard® Graphics Language, a standard command set used to communicate with plotters.

OMEGA includes a generic HPGL driver capability that drives most vinyl-cutting plotters. Additionally, specific drivers are included for basic cutting for a variety of manufacturers including:

- Allen Datagraph™
- Aristo®
- Gerber Scientific Products
- Graphtec
- Ioline™
- Roland®
- Mimaki™
- Mutoh
- Summa®
- Vytex™
- Wild®
- Zund®
- Generic HPGL

Verifying communication settings

Many plotters have communications settings that are set using DIP switches or a control panel on the plotter. Verify that communications settings for your plotter match the communications settings for OMEGA 7.0. This is important for users of non-Gerber plotters so that you can set up your plotter appropriately since OMEGA 7.0 communication settings cannot be changed.

OMEGA 7.0 sends data as follows:

- ◆ Baud Rate = 9600
- ◆ Parity = No
- ◆ Data Bits = 8
- ◆ Stop Bits = 1



Note: Contact Gerber Service at 860-871-8082 or 800-828-5406 for other ways to verify communication settings.

Custom HPGL plotter setup

If your HPGL plotter does not appear in the plotter list in the Add or Delete Plotter/Router(s) dialog box, you can use the following procedure to set up OMEGA 7.0 to communicate with the plotter.

Before beginning, you need to gather the following information about your plotter:

Plotter name

Units of measurement used by the plotter – US or metric

Effective plotting area (length and height)

These specifications are usually found in your plotter owner's guide. If you cannot locate them, contact your plotter manufacturer.

You must enter these specifications in the Add – Name HPGL Device dialog box that opens after you highlight the appropriate plotter in the Add or Delete Plotter/Router(s) dialog box and click the Add button. This provides the Omega Plot program with information about the plotter so that Omega Plot knows how to control the plotter and how much plotting area is available.

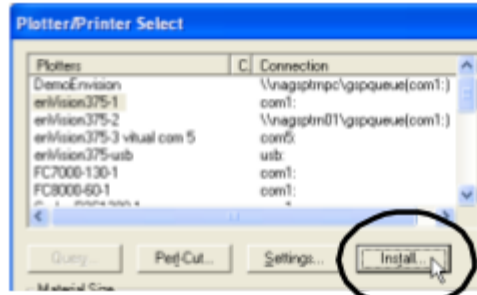


To add a plotter

- 1 Open the Add or Delete Gerber Plotter/Router(s) dialog box 42. The Local tab displays.
- 2 Scroll through the list until you find the appropriate HPGL plotter.
- 3 Click the Add button to add it to the Installed Plotter/Router(s) list at the bottom of the dialog box. The Add – Name HPGL Device dialog box opens.

**If the plotter is a USB device, DO NOT PLUG IN THE PLOTTER into the USB port.
Read the plotter instructions for USB driver plotter installation instructions.**

Once the USB driver is installed, start Omega Plot, then go to SETUP>DEVICE SELECT.



Choose the HPGL plotter type required by your plotter, then click on ADD:

HPGL_SIMPLE:

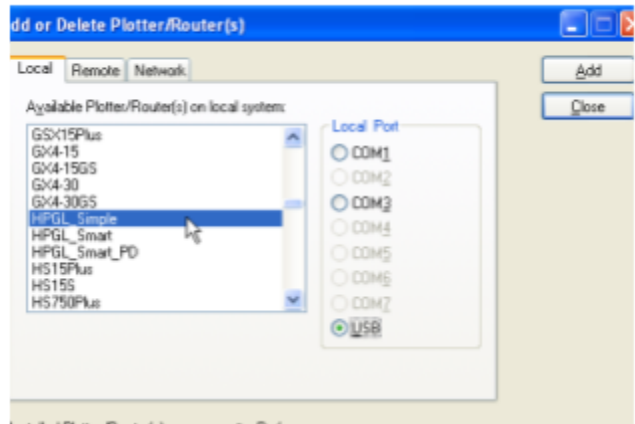
Move the tool as simple pen up and pen down moves. If jobs cut on top of each other then install HPGL_SMART

HPGL_SMART:

Includes the PG command to re-establish the job origin after each job. Use this plotter if jobs seem to be cutting on top of each other. If the plotter displays UNRECOGNIZED COMAND then install HPGL_Simple

HPGL_SMART_PD:

PD means that the job is processed using the "pull down" method and give a PG; command at the end of job. The X dimension MUST be set on a PD device entry.



Once ADD is clicked, a plotter property box will appear.

Enter Step Size, X Dimension and Y Dimension. Consult with the plotter documentation to determine plotter step size, x dimensions and y dimensions.

Name the device.

Click PORT SETTINGS.



Plotter step size:

Note: Be sure this value is entered correctly for your plotter or shapes may plot larger or smaller than they should. The values shown in this example are common plotter settings, the proper settings for your plotter may be different.

*Note: The plotter step sizes translate as follows: the 1.016 value = 1016 steps per inch which is a step size of **0.025mm**, and the 2.54 value = 2540 steps per inch which is a step size of **0.01mm***

To change the cutting area of the plotter

- 1 Change the X Dimension field to the actual cutting length (X axis) of the plotter in the form of nnn.nnn. Metric values must be converted to inches.

Note: A value of 0 means there is no limit to length. Usually this means the plotter is capable of cutting an entire roll of material (50 yards). If the plotter has a specific length limit, enter that limit instead of 0.

- 2 Enter the correct value in the Y Dimension field (this information should be provided in your original plotter documentation).

Note: If the cutting height is in millimeters, convert it to inches and enter it in the form of nnn.nnn. For example, a plotter has a plotting height of 580 mm. To convert this value to inches, use the following formula:

$$580 / 25.4 = 22.8346456$$

- 3 Round the result to three decimal places.

Tip: We recommend that a lesser value than the absolute plotting height be entered to avoid reaching the plotter limits.

Note: If the Y axis cutting height is set incorrectly for your plotter, large jobs will not panel correctly.

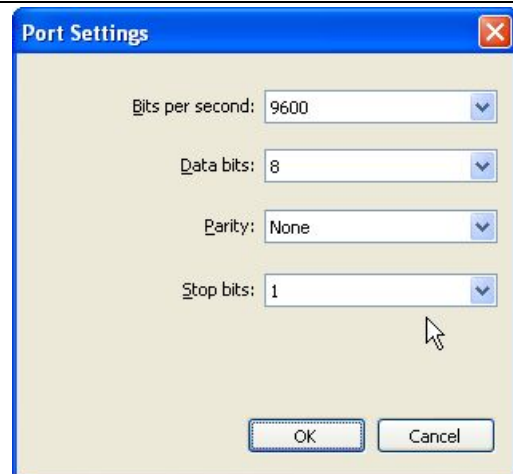
Note: For specific instructions on installing a plotter, refer to “Chapter Three: Adding Output Devices.”

Consult with the plotter documentation for PORT SETTINGS.

Enter the Port Settings

Click OK.

Click OK again.

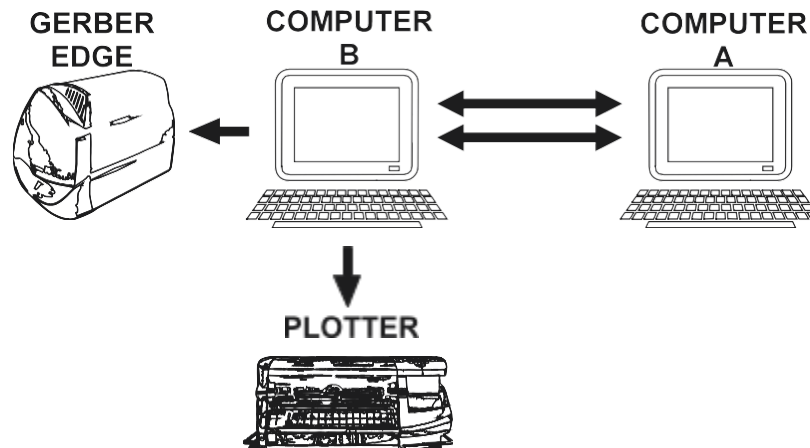


Chapter Seven: Using Networked Computers for Remote Output and Rendering Using Omega Plot and Gerber Queue Manager

Connecting and sharing output devices

OMEGA allows one computer on a network (Computer A) to output to devices attached to another computer (Computer B) on a network. Additionally, Omega Plot on Computer A can send jobs to be rendered by Omega Plot on Computer B, then output the job to the devices attached to Computer B.

Please note that for these instructions, Computer A is a computer with OMEGA 7.0 installed. Computer B is a computer with Omega 7.0 installed and with output devices set up and attached that are controlled by GQManager.



Short form instructions to set up remote devices and output remotely:

Be sure to have Administrative Privileges on both computers.

Computer B: Install the EDGE and plotters and be sure they are operational.

Computer B: Share the Queue folder on Computer B and name the shared folder `gspqueue`.

Computer A: Map a network drive to the `gspqueue` folder located on Computer B.

Computer A: Go to Plot, then go to Device Setup (F7). If setting up the plotter, Click on Install at the top of the screen next to the plotter list at the top of the screen. If setting up and EDGE, click on install next to the Printers list at the bottom of the screen.

Click on the Remote tab then click on the ... button. Browse to the shared folder just created on Computer B.

A list of plotters or EDGE printers installed on Computer B will appear in the list below. Click on the desired device, then click on the Add button.

A Name dialog box will appear. Give the device a name that denotes that it is a networked device, or the Computer name to which the device is connected. Click OK.

That device will appear in the list of available plotters or printers in the device select dialog box on Computer A.

To output from Computer A to the devices on Computer B

Start Plot and GQManager on Computer B. Minimize GQManager.

On Computer A, open the job to be output in Plot. Select the desired remote device from the Computer A Plot Device Select dialog box (F7). Set up the Plot parameters as needed and output.

The job will render on Computer A, then send an output file and PRM file to the QUEUE folder on Computer B. The job from Computer A will appear in GQManager on Computer B and the job will appear at the device for output.

To send a job from Computer A to render AND output on Computer B:

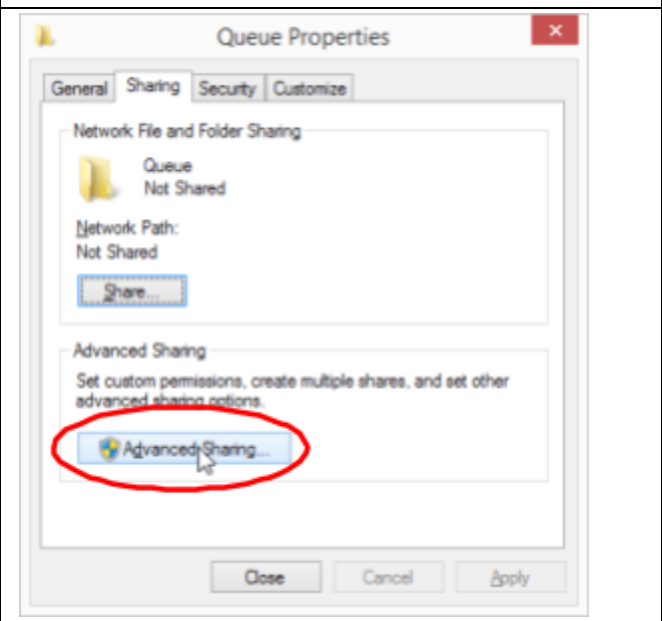
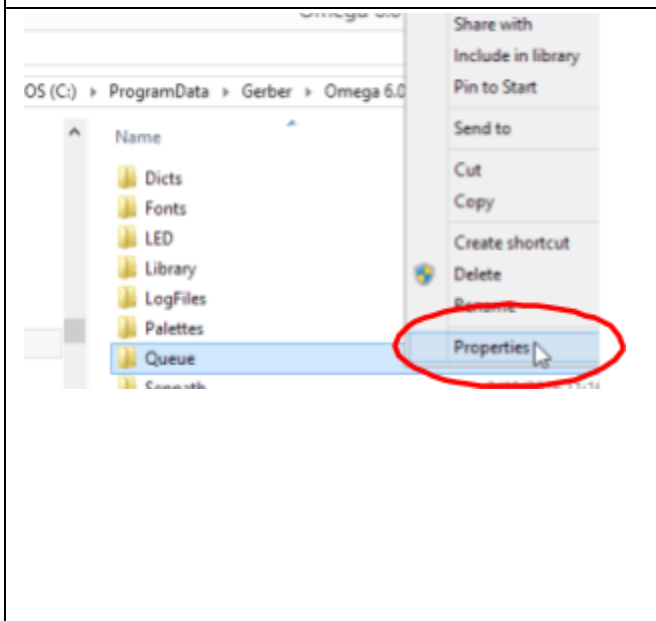
- Be sure Plot and GQManager are running on Computer B.
- On Computer A in Plot Device Select, choose the Computer B remote device as the output device AND click on the Render Remote checkbox.
- When the job is sent from Computer A, all the files needed to render the job will be copied over the network to Computer B where the job will be both rendered and output.

Remote Device Setup and Output Instructions with Pictures

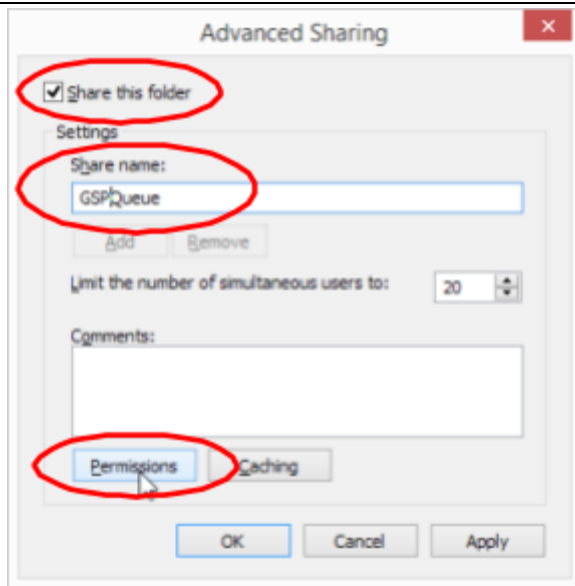
Share the QUEUE folder on Computer B to allow Computer A to send files

Browse to Omega Queue folder at c:\programdata\Gerber\Omega 7.0\queue. If the queue folder is not located here, find the queue folder by going to the Omega 7.0 program group>Gerber Folder Locations>Gerber PrintCut Queue

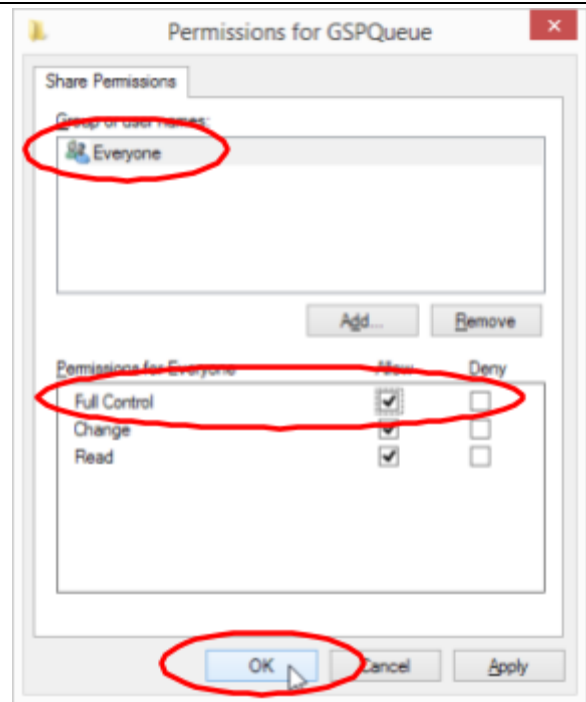
Right click on the Queue folder>Properties>Sharing tab>Advanced Sharing



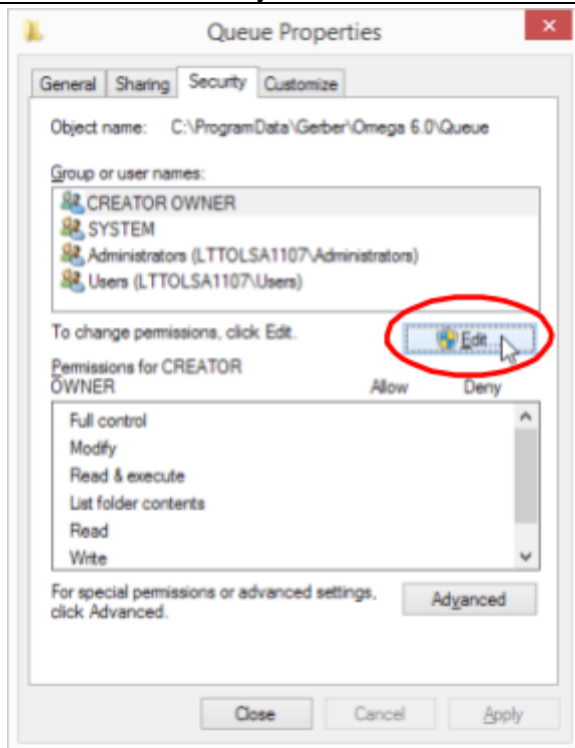
Click Share this folder, and type in GSPQueue for the Share Name. Click on Permissions.



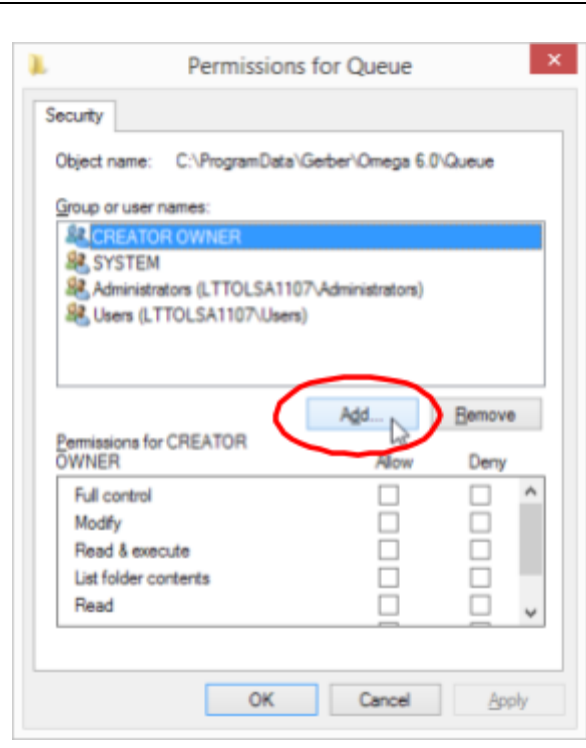
Click on Everyone at the top of the dialog box, then click Full Control at the bottom. Click OK, then click OK to get back to the main sharing dialog box.

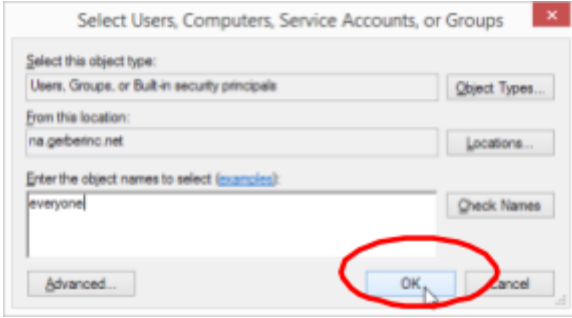
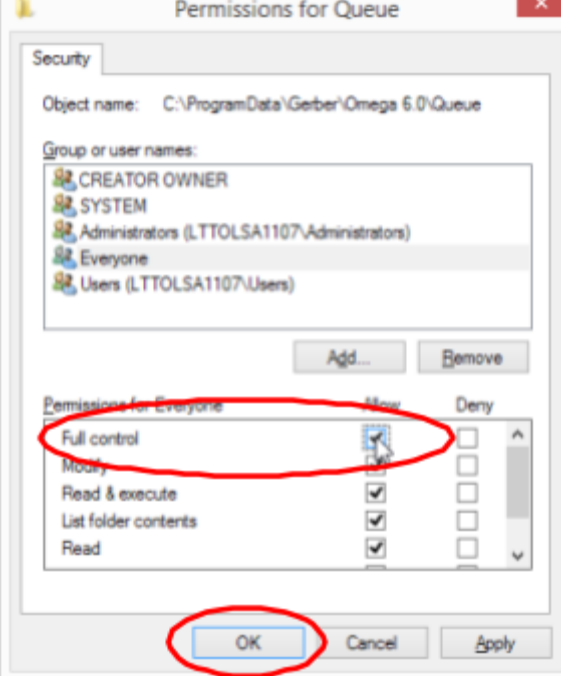


Click on the Security tab>Edit button.



Click the Add button.



<p>Type "everyone" in the Enter Object Names to Select field. Click OK</p>	<p>Click on Full Control in the Permissions for Everyone field</p>
	

Review this video for sharing procedures for Windows 8 and 10:

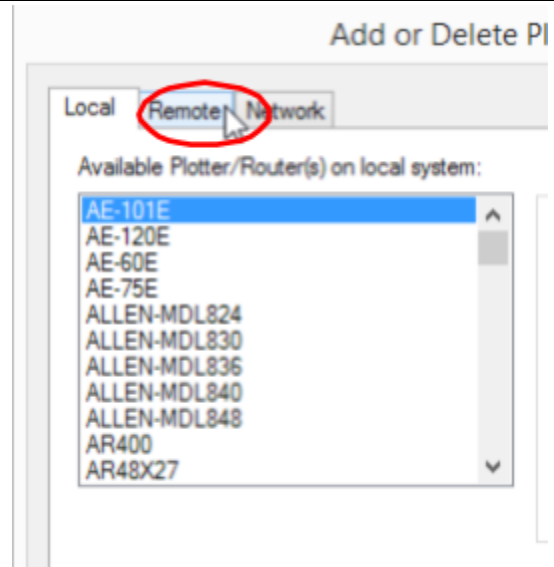
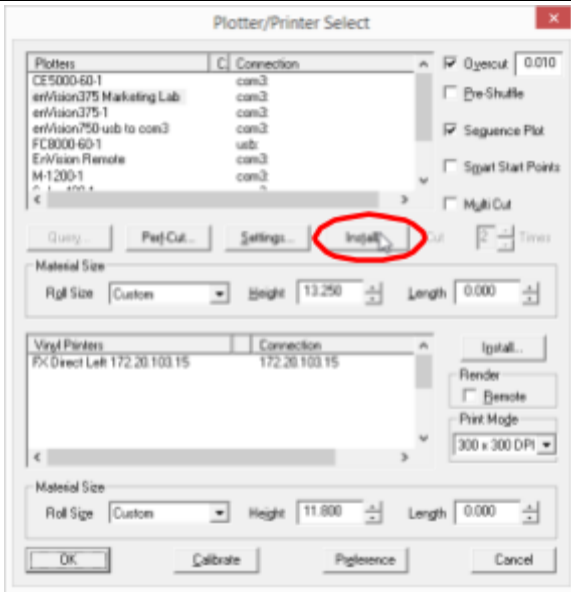
<https://www.youtube.com/watch?v=aaEdZBuspec>

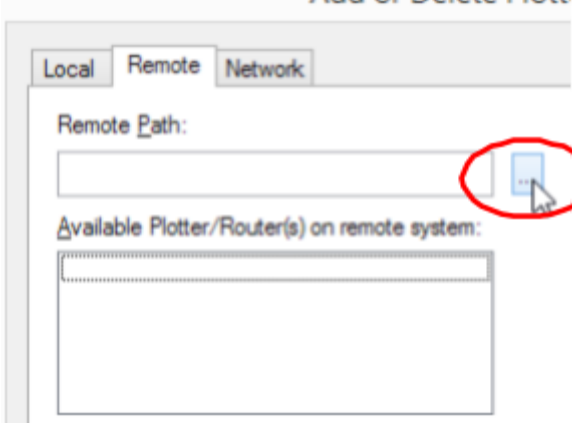
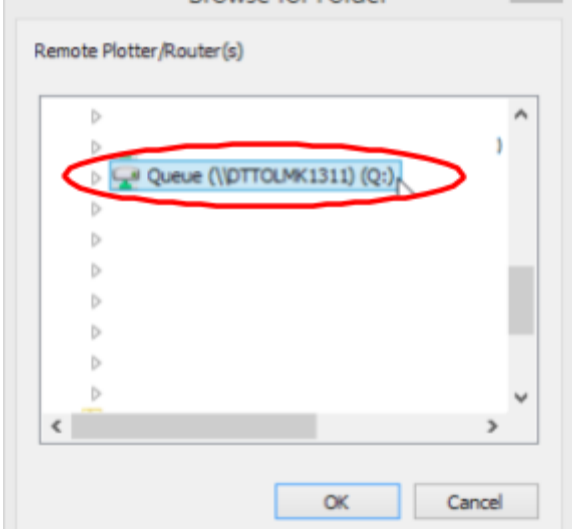
Windows 7 sharing instructions are [listed below](#).

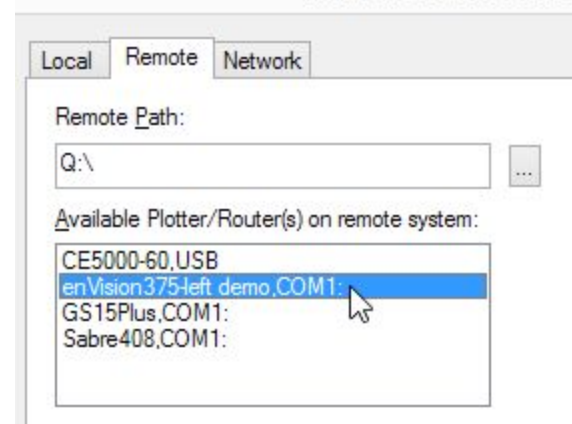
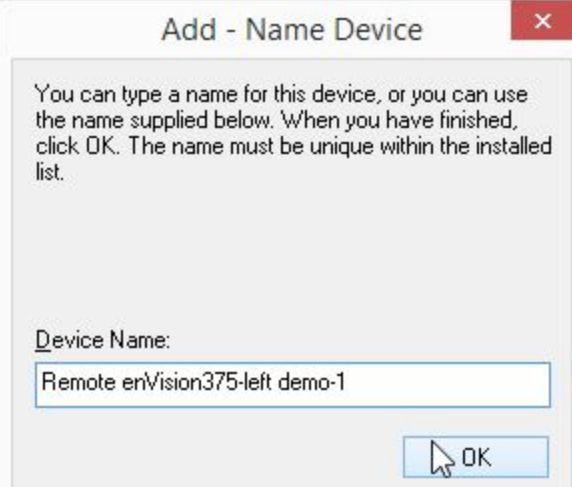
Set up and choose the remote device on Computer A

Computer A: Go to Plot, then go to Device Setup (F7). If setting up the plotter, Click on Install at the top of the screen next to the plotter list. If setting up and EDGE, click on install nest to the Printers list.

Click on the Remote tab.

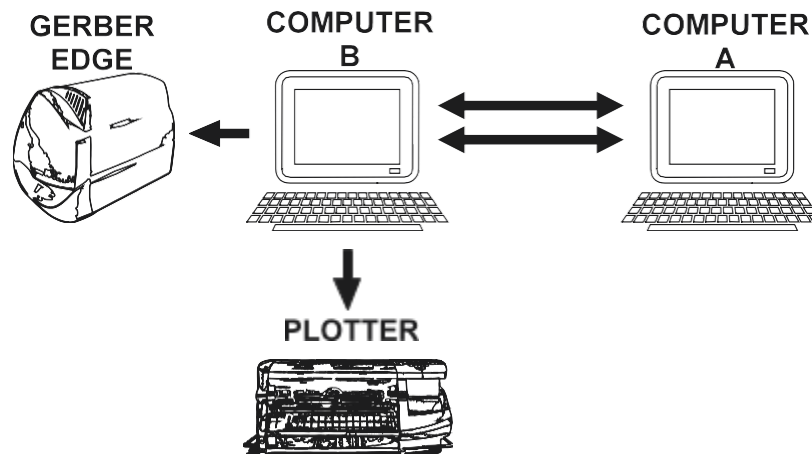


<p>Click on the ... button.</p>	<p>Browse to the shared folder just created on Computer B.</p>
	

<p>Depending on whether a remote plotter or printer is being installed, a list of plotters or EDGE printers installed on Computer B will appear in the list below. Click on the desired device, then click on the Add button.</p>	<p>A Name Box will appear. Give the device a name that denotes that it is a networked device, or the Computer name to which the device is connected. Click OK.</p>
	
<p>That device will appear in the list of available plotters or printers in the device select dialog box on Computer A.</p>	

To output from Computer A to the devices on Computer B

<p>Start Plot and GQManager on Computer B. Minimize GQManager.</p>	<p>On Computer A, open the job to be output in Plot.</p> <p>Select the desired remote device from the Computer A Plot Device Select dialog box (F7). Set up the Plot parameters as needed and output.</p>
<p>The job will render on Computer A, then send a rendered output file and PRM file to the QUEUE folder on Computer B. The job from Computer A will appear in GQManager on Computer B and the job will appear at the device for output.</p>	<p>To send a job from Computer A to render AND output on Computer B, Be sure Plot and GQManager are running on Computer B, On Computer A in Plot Device Select, choose the Computer B remote device as the output device AND click on the Render Remote checkbox.</p> <p>When the job is sent from Computer A, all the files needed to render the job will be copied over the network to Computer B where the job will be both rendered and output.</p>



To map a network drive to the gspqueue folder

- 1 Using the illustration below as a guide, double-click the Network Neighborhood icon located on the Computer B desktop. You can also "Open Windows Explorer".
- 2 Double-click the icon that represents your Computer A.

- 3 Right-click the gspqueue folder and select Map Network Drive.



- 4 Choose a drive designation and click OK.