

Statement regarding patents, and warning against modification of Topaz products:

Topaz products are covered under US patents 6,972,754, 6,307,955 and 5,120,908 and 5,122,623. Patent work is ongoing. Use of Topaz's products in accordance with our instructions, to the best of our knowledge, does not infringe any patents. However, be aware that there are many patents out there, and modification of our products, or use of our products for other than their intended purpose, could run afoul of these patents. It is the responsibility of Topaz customers to honor relevant patents. U. S. Patent Nos 5,120,906; 5,195,133; 5,227,590; 5,297,202; 5,322,978; 5,544,255; 5,647,017; 5,818,955; 6,064,751; 6,091,835; 6,381,344; 6,539,363 and others are patents that users of Topaz products should consider if modifications are to be made to our products or if our products are to be used for other than their intended purpose. These patents may be obtained at <http://www.uspto.gov>. Only as examples, without first considering these patents, you should refrain from storing within the signature information (sig file or sig data):

1. A reason for signing or a statement of importance of the signature together with a set of measurements relating to the handwritten signature and either an indication of the signatory or means for comparing said measurements with a set of statistics of a genuine signature to obtain a similarity score.
2. A visual representation of a signature together with a document checksum, hash, or receipt, and the claimed identity of the signatory.
3. A set of measurements relating to biometric information together with a document checksum, hash, or receipt, and the claimed identity of the user.

The foregoing statement is not intended to be an interpretation of the patents or their application to any particular product or implementation.

It may be possible that Federal (FDA) and state digital signature regulations become violated if techniques in 1, 2, and 3 above are employed, so rest assured, Topaz software does not do any of them. Note the information below:

1. The FDA regulations state that "Signed electronic records shall contain information associated with the signing that clearly indicates all of the following ...printed name ... date and time ... The meaning ...". (see FDA guidelines section 11.50) The FDA regulations treat electronic records and electronic signatures as different entities (Section 11.70). Therefore, you should refrain from modifying the Topaz system on your own to store any of the name, date and meaning data in the signature file.
 2. State regulations such as CA code of Regulations, Title 2, Division 7, Chapter 10 for example, require that the signature be bound to only the single message that is signed and not to any other message. Therefore you should refrain from modifying the Topaz system on your own to place a checksum in with the signature data and then adding other information in with the signature, and then encrypting them to a secret key. If you were to modify the Topaz system to do this, you would be binding the signature to multiple-messages which is prohibited by the state regulations.
 3. State regulations require that the signature data be capable of verification by a forensic document examiner. (CA regulations paragraph 220003(b)(3)(B) for example). Some of the techniques in 1-3 above appear at odds with "lengthy process of handwriting analysis" required by state regulation (see state of CA FAQ section). With the Topaz system, you are assured of the most accurate forensic handwriting analysis results, since the Topaz .sig file is saving all of the original signature data.
- In addition, there are potential security and refutability issues if too many things are crammed in with the signature. Leave the document data, reason for signing, receipt, and identity information in the document as SigPlus is designed to work, and as complies with FDA and state regulations. That way, the signature is bound to all of the data, not just to part of the data. It is very easy to create all kinds of standard image files of the signature using SigPlus software. Topaz signature & document security results from our patented methods of binding data using cryptography and secure hashing, and non-repudiation results from the use under US Patent 6,307,955 of Topaz signature and document receipts. Please contact the factory if you have any additional questions or would like more information about your rights concerning patents as a customer or developer using Topaz products.

Important Notice:

This software or any or all additional documentation, guidelines, or examples do not constitute a warranty about the performance, security, or legal acceptability of SigPlus software or the SigPlus control in any specific use or implementation. To the extent that SigPlus or SigPlus are used to achieve regulatory or other specific objectives within an industry, you must consult competent experts or regulatory officials together with your own plan to achieve your desired business objectives using the Topaz tools.

SigPlus Installation Notes

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Please read TopazLicense.txt License Agreement and Limited Warranty before installing SigPlus.

IMPORTANT NOTE: DO NOT INSTALL SIGPLUS IF YOU ARE AN END-USER AND HAVE RECEIVED A SIGNATURE-CAPTURE APPLICATION PROGRAM FROM YOUR COMPANY.

NOTE FOR DEVELOPERS: For complete documentation on the properties and methods of SigPlus, please read the SigPlus.pdf file on this compact disk, or download the very latest documentation at: <http://www.topazsystems.com/Software/sig-plusdocs.zip>

Also available on this CD is a General User's Guide for SigPlus, SigPlus_Tools.pdf. Or, you may download the very latest General User's Guide for SigPlus at: <http://www.topazsystems.com/Software/sigplusdocs.zip>

SigPlus Installation and Use

To install SigPlus on any Windows computer, double-click sigplus.exe on this compact disc. Or, download the latest version at <http://www.topazsystems.com/Software/sigplus.exe>.) You may also instead run the installmenu.exe file for the complete menu of choices available on this CD.

During installation, you will be prompted to select your Windows operating system, the tablet model, and connection type (either serial, USB, or HSB). IF YOU HAVE A USB OR HSB TABLET, DO NOT PLUG THE TABLET IN BEFORE INSTALLING SIGPLUS. INSTALL SIGPLUS, CHOOSE THE USB OR HSB OPTION, AND PLUG IN THE TABLET ONLY AFTER INSTALLATION IS COMPLETE. (HSB and USB tablets are both "USB" tablets. A -USB tablet uses a custom Topaz driver, and a -HSB tablet uses the "HID" driver in Windows)

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US patent 6,307,955, and pending

A cross-reference of the Tablet Name to Tablet Model is below:

NAME	MODEL
SignatureGem1X5	T-S261, T-O261, (also for LinkGem non-LCD)
DeskGem	T-S981 (installs using SignatureGem 1x5 settings)
SignatureGem4X5	T-S751
SigLiteLCD1x5	T-L(BK)460
SignatureGemLCD1X5	T-L(BK)462, (also for LinkGem LCD)
SigLiteLCD4X3	T-LBK750
SignatureGemLCD4X3	T-L(BK)755
SignatureGemLCD4X5	T-LBK766
ClipGem	T-C912
ClipGemLGL	T-C916
SigLite1X5	T-S460, T-S461

Note: HSB: HID-USB Pad interface (do not select “USB” during install). Be sure to install the HSB option if your pad model ends in -HSB.

The choices you make during install can be changed easily.

For com port help, <http://www.topazsystems.com/Software/TopazCommTester.exe> is a tester that indicates which ports may be available.

After install, the settings you choose are saved in the SigPlus.ini file in the WIN directory. If you want to make changes, make them in this file. You can also re-install the sigplus.exe software at will and select a different installation option. To test your tablet, run DemoOcx.exe--if you’ve allowed a shortcut to be created on your desktop, you’ll find it there. Otherwise, navigate to WIN\SigPlus\DemoOcx.exe. Double-click.

Press the ‘START’ button, and sign. If you do not get a signature, the most likely reason (if you have a serial tablet) is that your com port needs to be reassigned.

Take these steps:

1. Press ‘STOP’
2. Navigate to WIN\SigPlus.ini, and open it
3. You’ll find at the top: TabletComPort=# (Where # is the currently assigned port) Select a new number and change from 1 to 4 (or more, if you have specially assigned ports)
4. Save the INI file
5. Try DemoOcx.exe again...be sure to press ‘START’

If you still have problems, reassign the com port again until you’ve tried all of the settings from 1 to 4. Be sure to change the INI file in the WIN directory. Contact Topaz if you have difficulties.

For USB tablets, the TabletComPort setting in the INI file is not relevant; just be sure that the TabletType is set =2, and the drivers are installed.

For HSB tablets, the TabletComPort setting in the INI file is not relevant; just be sure that the TabletType is set =6. USB drivers for this tablet are automatically installed through Windows.

Software Tools, Examples, and Plug-ins:

In addition to the sigplus.exe installation, this CD includes several plug-in installations for signing common document applications. Choose those that you wish to use, and install (be sure to install SigPlus.exe first!):

1. TopazMSOfficePlugins.exe (for signing MS Word and Excel documents)
2. GemSign.exe (for signing Adobe PDF documents—Acrobat 4, 5, or 6)
3. SigTool Imager.exe (for generating signature BMP, TIF, or JPG image files)

Additionally, you can download Topaz software from the web at <http://www.topazsystems.com/Software/index.htm>

(See below for Topaz software web listings):

PLUG-INS:

MS Word and Excel Plug-ins, for complete, out-of-the-box e-signatures in Word and Excel. <http://www.topazsystems.com/Software/TopazMSOfficePlugins.exe>
Adobe Plug-in, GemSign, for out-of-the-box e-signatures in PDFs. (Must have either Acrobat 4.0, 5.0, 6.0). Includes ActiveX control SigTool1, for developing custom Adobe signature applications. Acrobat 4.0 <http://www.topazsystems.com/Software/GemSign.exe>

Acrobat 5.0 <http://www.topazsystems.com/Software/GemSign5.exe>

Acrobat 6.0 <http://www.topazsystems.com/Software/GemSign6.exe>

TOOLS:

SigTool Imager creates e-signature image files (ie BMP, JPG, TIF and others.)

<http://www.topazsystems.com/Software/SigToolImager.exe>

For PaperGem and TracGem, there’s software for resetting the tablet data & time/date, plus downloading & browsing records. <http://www.topazsystems.com/Software/SigToolPaperGemTracGem.exe>

DEVELOPER’S CODE EXAMPLES:

<http://www.topazsystems.com/Software/download/developers.htm>

MS Access: A sample Access database to collect, store and redisplay e-signatures.

Adobe: Adobe Acrobat Publishing Tool & example using ActiveX control SigTool1.

WebSign ASP: ASP examples to generate e-signatures over the Internet.

HTML: HTML signature pages using SigPlus ActiveX control (Javascript and VBScript versions.)

Java: Java bean and sample applications.

C++: A sample application using SigPlus.ocx, and the source for SigSign.ocx.

Visual Basic: Several Visual Basic demos.

Crystal Reports: Access front end, Crystal Reports back end signature example.

Delphi: e-Signature demo in Delphi.

Lotus Notes & Domino: e-Signature demo in Lotus Notes & Domino.