



Topaz Systems, Inc. Topaz LCD Signature Pad Diagnostic How-To

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The **Topaz LCD Signature Pad Diagnostic** is useful for technicians to make determinations about their Topaz Signature Pad, including setup of the INI file and proper operation of their LCD tablet.

To Download go to:
www.topazsystems.com/software/SigPlusDiagnostic.exe

Start by opening SigPlusDiagnostic.exe. The window below will appear.

Tablet Parameters

From .INI

Model#:

Tablet Type

Com Port

LCD Compression

SigPlus Version

FROM PAD

Model

SigModel Number

SigSerial Number

Located Tablet

X: 0 Y: 0 P: 0 I: 0 T: 0

Check Pad Connection Sign Done Clear Integrity Exit

LCD Testing

LCD Pen Tap Test

Tap on Tap off

LCD Backlight State

Backlight on Backlight off

Write LCD Image

Image Clear

LCD Write Block Test

Block Size: 64x64

Write Clear

LCDWriteString Test

Font Name: **Arial** Font Size: **12** Style: **Regular**

Text:


Font/Size... Write String Clear

PAD CONNECTION TESTING

First check your pad connection. This will make sure the Topaz LCD tablet plugged in to you computer and the configuration of your software in the INI file match. This operation may take a few seconds.

If the computer cannot recognize your tablet, check pad connection will return as shown below. Please check to make sure the tablet is plugged in and try again.


Tablet Parameters	
From .INI	FROM PAD
Model#: SignatureGemLCD4X3	Cannot be determined Model
Tablet Type 6	N/A SigModel Number
Com Port 6	N/A SigSerial Number
LCD Compression 0	No Pad Found Located Tablet
SigPlus Version 3.73	


 **Check Pad Connection**

You might also receive the error message shown below. This means that the tablet plugged into the computer and the one configured by the software are not the same. If you get this error, follow the instructions to re-configure your software.

Topaz LCD Signature Pad Diagnostic US patent number 6,307,955

Tablet Parameters	
From .INI	FROM PAD
Model#: SignatureGemLCD1X5	SignatureGem LCD4X3 Model
Tablet Type 6	8 SigModel Number
Com Port 1	706 SigSerial Number
LCD Compression 0	HSB Located Tablet
SigPlus Version 3.73	

 **Check Pad Connection** X: 0 Sign



Warning! The signature pad located on this computer:
SignatureGemLCD4X3


and the signature pad set in the F:\WINNT\SigPlus.ini TabletModel parameter:
SignatureGemLCD1X5

do not match.

OK

If everything checks out, you will receive a return like the one below. A green indicator will mean you can now use the rest of the interface.

Tablet Parameters	
From .INI	FROM PAD
Model#: <input type="text" value="SignatureGemLCD4X3"/>	<input type="text" value="SignatureGem LCD4X3"/> Model
Tablet Type <input type="text" value="6"/>	<input type="text" value="8"/> SigModel Number
Com Port <input type="text" value="1"/>	<input type="text" value="7066"/> SigSerial Number
LCD Compression <input type="text" value="0"/>	<input type="text" value="HSB"/> Located Tablet
SigPlus Version <input type="text" value="3.73"/>	

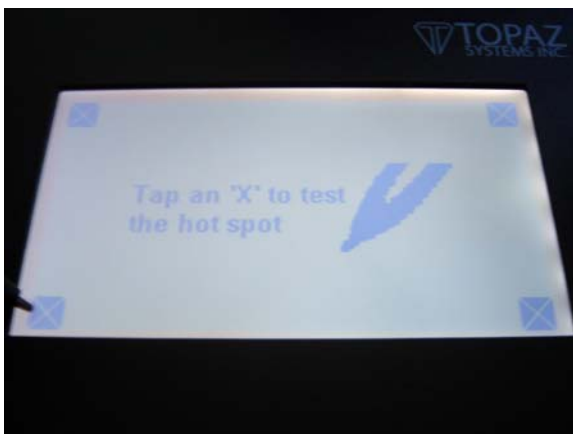
 **Check Pad Connection**

LCD TESTING

Below is the section on testing your LCD display.

LCD Testing	
LCD Pen Tap Test <input type="button" value="Tap on"/> <input type="button" value="Tap off"/>	Write LCD Image <input type="button" value="Image"/> <input type="button" value="Clear"/>
LCD Backlight State <input type="button" value="Backlight on"/> <input type="button" value="Backlight off"/>	LCD Write Block Test Block Size: <input type="text" value="64x64"/> <input type="button" value="Write"/> <input type="button" value="Clear"/>

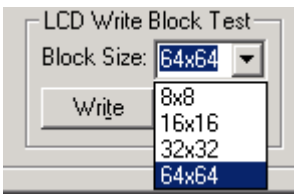
Click “Tap On” to send Hotspots and graphics to the LCD tablet. You will see the screen below. To test the hotspots, click on the X’s and they should become squares. When you are done click “Tap off.”



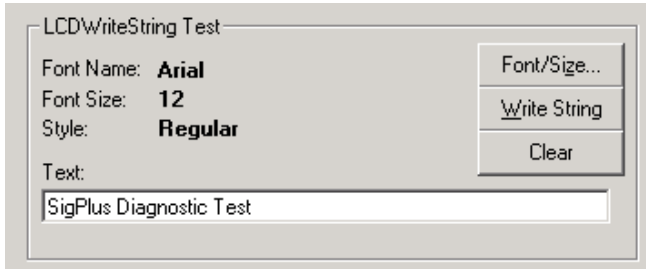
To check the LCD's ability to receive and display images, click "Image." The image below should appear. Press "Clear" when you are done.



The "LCD Write Block Test" section is used to test the pixel alignment of your LCD. Select a block size from the drop-down menu and click "Write." Blocks will be displayed on your LCD varying depending on what block size you chose. Shown below is 8x8.



In order to test writing a string to your LCD, use the LCD WriteString Test, shown below.

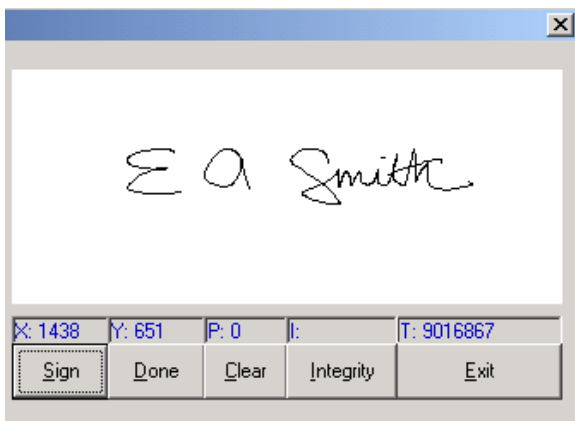


You can customize the font, size, and text of the message displayed. However text will only be written on the first line of the LCD, so keep the text brief. For the purposes of this demo we used "TEST" as the text (shown on next page).

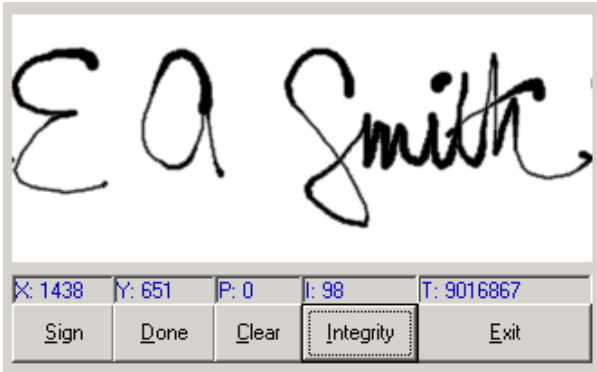


TESTING SIGNATURE CAPTURE

Below is the section that tests your devices ability to capture signatures. Press "Sign" and sign your name. Pressing "Clear" will clear the tablet. If you do press "Clear" press "Sign" again to re-sign your name.



After you have signed click “Integrity” to view biometric cues of velocity information. An integrity number is also displayed below the signature. In this case I=98. This number corresponds to a likelihood of a tampered signature. The higher the number the less the likelihood that the signature has been tampered with. An integrity in the nineties is to be expected.



Press “Exit” when you are done with the application.

For more information regarding products and support
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