



Software Developer Guide

SigPlus Pro C++ Object Library

Version 2.1

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Table of Contents

Overview	7
Signature Class Functions	7
<i>CaptureThread()</i>	7
<i>NewStroke()</i>	8
<i>AddPointToStroke()</i>	8
<i>NumberOfStrokes()</i>	8
<i>NumberOfPointsInStroke()</i>	8
<i>TotalPoints()</i>	8
<i>GetPointXValue()</i>	9
<i>GetPointYValue()</i>	9
<i>IsValidPoint()</i>	9
<i>GetPointForStroke()</i>	10
<i>ClearSignature()</i>	10
<i>ClearHotSpotPoints()</i>	10
<i>StartCapture ()</i>	10
<i>StopCapture()</i>	10
<i>ProcessTabletSample()</i>	11
<i>IsPenNear()</i>	11
<i>IsPenDown()</i>	11
<i>SamplesAreDifferent()</i>	11
<i>OnPenDown()</i>	12
<i>OnPenUp ()</i>	12
<i>OnPenMove()</i>	12
<i>InitializeFilter()</i>	12
<i>FilterPoint()</i>	12
<i>SetSigWindow()</i>	13
<i>ClearSigWindow ()</i>	13
<i>ExportSigFile()</i>	13
<i>WriteSigFile()</i>	13
<i>ExportSigFileComp0()</i>	14
<i>ExportSigFileComp2()</i>	14
<i>ImportSigFile()</i>	14
<i>ReadSigFile()</i>	14
<i>ImportSigFileComp0 ()</i>	14
<i>ImportSigFileComp2()</i>	15
<i>LoadSigInfoBinary()</i>	15
<i>LoadAnnotationString()</i>	15
<i>SaveSigInfoBinary()</i>	15
<i>FileReadError()</i>	16
<i>GetTextNextInteger()</i>	16
<i>InitSigInfo()</i>	16
<i>SetEncryptionMode()</i>	16
<i>EnCryptFile()</i>	16
<i>DeCryptFile()</i>	17
<i>SetKey()</i>	17
<i>GetKey()</i>	17
<i>GetKeyString()</i>	17
<i>SetKeyString ()</i>	18
<i>SetAutoKeyData()</i>	18
<i>AutoKeyStart()</i>	18
<i>AutoKeyAddData()</i>	18
<i>AutoKeyFromFile()</i>	18
<i>AutoKeyFinish()</i>	19
<i>GetKeyReceipt()</i>	19
<i>GetKeyReceiptAscii()</i>	19
<i>GetSigReceipt()</i>	19
<i>GetSigReceiptAscii()</i>	19
<i>Make40BitKey()</i>	20
<i>ChangeKeyAllowed()</i>	20
<i>ToAsciiHex()</i>	20
<i>FromAsciiHex()</i>	20
<i>KeyPadAddHotSpot()</i>	21
<i>KeyPadQueryHotSpot()</i>	21
<i>KeyPadClearHotSpotList()</i>	21

Table of Contents

<i>KeyPadConvertToLogical()</i>	21	<i>FindMode()</i>	23
<i>DrawSignature()</i>	22	<i>DumpHistogramData()</i>	23
<i>ScalePoint()</i>	22	<i>ScalePenWidth()</i>	23
<i>InitAutoJustify()</i>	22	<i>Dumplmage()</i>	23
<i>FindMean()</i>	22	<i>DrawSignatureAntiAlias()</i>	24
<i>FindMedian()</i>	23		
<i>WriteImageFile()</i>	24		
TabletInterface Class Functions	24		
<i>OpenTablet()</i>	24	<i>TabletPresent()</i>	26
<i>CloseTablet()</i>	25	<i>ProcessInputData()</i>	26
<i>GetTabletData()</i>	25	<i>SendSerialNPData()</i>	26
<i>GetTabletPointData()</i>	25	<i>ProcessNonPointData()</i>	26
<i>PutTabletData()</i>	25	<i>WaitForNonPointCmdData()</i>	27
<i>TabletDataReady()</i>	25		
// TabletCore.cpp	27		
<i>GetTabletIfType()</i>	27	<i>GetFromPointBuffer()</i>	28
<i>ScaleCoordData()</i>	27	<i>PointsInPointBuffer()</i>	28
<i>PutInPointBuffer()</i>	27		
// TabletParameters.cpp	28		
<i>InitTabletParams()</i>	28	<i>LoadDefaultParameters()</i>	29
<i>GetTabletParameters()</i>	28	<i>LoadIniParameters()</i>	29
<i>SetTabletParameters()</i>	28		
// Serial and HID Serial support code	29		
<i>IsStartByte()</i>	29	<i>ResetSerialInputState()</i>	30
<i>ConvertCoordData()</i>	29	<i>MakeLongPoint()</i>	30
<i>IsBadPacket()</i>	29	<i>MakeLongCmd()</i>	31
<i>IsSerialPenData()</i>	30	<i>SetPenDown()</i>	31
<i>InitProcessInputData()</i>	30	<i>SetPenNear()</i>	31
<i>CloseProcessInputData()</i>	30		

Table of Contents

LCDInterface Class Functions.....	31
<i>GetLDCaptureMode()</i>	31
<i>SetLDCaptureMode()</i>	32
<i>LCDSetsWindow()</i>	32
<i>LCDWriteString()</i>	33
<i>LCDStringWidth()</i>	33
<i>LCDStringHeight()</i>	33
<i>LCDRefresh()</i>	34
<i>LCDSendCmdString()</i>	34
<i>LCDSetsTablet()</i>	34
<i>LCDSendCommand()</i>	35
<i>LCDSendGraphic()</i>	35
<i>GetLCDSize()</i>	35
<i>GetLCDStringSize()</i>	35
TabletParameters Class Functions.....	36
Signature Class Variables.....	36
<i>CaptureIF;</i>	36
<i>StrokeList;</i>	36
<i>KillCapture;</i>	36
<i>CaptureActive;</i>	36
<i>CurrentTablet;</i>	36
<i>PenState;</i>	36
<i>SavedSamples;</i>	37
<i>SamplesToSave;</i>	37
<i>LastSample;</i>	37
<i>SigWindow;</i>	37
<i>MaxPointDelta;</i>	37
<i>BadPointCounter;</i>	37
<i>Filter[16];</i>	37
<i>NumFilterPoints;</i>	37
<i>NextPoint;</i>	37
<i>TimeStamp[512];</i>	37
<i>DisplayTimeStampPos;</i>	38
<i>DisplayTimeStampSize;</i>	38
<i>DisplayTimeStamp;</i>	38
<i>ImageTimeStampPos;</i>	38
<i>ImageTimeStampSize;</i>	38
<i>ImageTimeStamp;</i>	38
<i>EncryptionMode;</i>	38
<i>Annotate[512];</i>	38
<i>DisplayAnnotatePos;</i>	38
<i>DisplayAnnotateSize;</i>	39
<i>DisplayAnnotate;</i>	39
<i>ImageAnnotatePos;</i>	39
<i>ImageAnnotateSize;</i>	39
<i>ImageAnnotate;</i>	39
<i>SaveSigInfo;</i>	39
<i>SigKeyData[MaxSigKeySize];</i>	39
<i>SigKeyDataLen;</i>	39
<i>AutoKeyHash[Md5HashSize];</i>	39
<i>AutoKeyContext;</i>	39
<i>AutoKeyStarted;</i>	40
<i>HotSpots;</i>	40
<i>HotSpotPoints;</i>	40
<i>JustifyX;</i>	40
<i>JustifyY;</i>	40
<i>JustifyMode;</i>	40
<i>AutoJustifyGain;</i>	40
<i>AutoJustifyX0;</i>	40
<i>AutoJustifyY0;</i>	40

Table of Contents

<i>AutoJustifyXOff;</i>	40	<i>ImageDrawBuffXSize;</i>	41
<i>AutoJustifyYOff;</i>	41	<i>ImageDrawBuffYSize;</i>	41
<i>JustifyYExtent;</i>	41	<i>ImageMono;</i>	41
<i>ImageDrawBuff;</i>	41	<i>AntiAliasLineScale;</i>	41
<i>AntiAliasSpotSize;</i>	41		
TabletInterface Class Variables (General Properties)	42		
<i>TabletParams;</i>	42	<i>HidIF;</i>	43
<i>TabletOpen;</i>	42	<i>UsbIF;</i>	43
<i>LogFile;</i>	42	<i>SockIF;</i>	43
<i>CircBuff;</i>	42	<i>ProcIF;</i>	43
<i>PointBuff;</i>	43	<i>SerialNumber;</i>	43
<i>NonPointBuff;</i>	43	<i>ModelNumber;</i>	43
<i>SerialIF;</i>	43		
Serial and SerialHID Thread Support (General Properties).....	44		
<i>Serial InputState;</i>	44	<i>KillProcessInputData;</i>	44
<i>SerialStateReset;</i>	44	<i>ProcessInputDataRunning;</i>	44
LCDInterface Class Variables (General Properties)	44		
<i>LCDCaptureModeType;</i>	44	<i>LCDCaptureMode;</i>	45
<i>Tab;</i>	44		
TabletParameters Class Variables (General Properties).....	45		
<i>ParameterVersion;</i>	45	<i>TabletResolution;</i>	46
<i>PortNumber;</i>	45	<i>TabletRotation;</i>	46
<i>BaudRate;</i>	45	<i>UsbMode;</i>	46
<i>TabletMode;</i>	45	<i>UseMultiUsb;</i>	46
<i>TabletX1;</i>	45	<i>EnableLogging;</i>	46
<i>TabletY1;</i>	45	<i>TestIfConnected;</i>	46
<i>TabletX2;</i>	45	<i>TabletIpAddress;</i>	46
<i>TabletY2;</i>	46	<i>LCDType;</i>	47
<i>TabletLogicalXSize;</i>	46	<i>LCDXSize;</i>	47
<i>TabletLogicalYSize;</i>	46	<i>LCDYSize;</i>	47

Table of Contents

<i>LCDXStart</i>	47	<i>LCDWriteDelay</i>	47
<i>LCDYStart</i>	47	<i>LCDRetryCount</i>	47
<i>LCDXStop</i>	47	<i>tabletPortPath[128]</i>	47
<i>LCDYStop</i>	47		

Overview

The Topaz SigPlus C++ Library is composed essentially of four different classes:

1. Signature
2. TabletInterface
3. LCDInterface
4. TabletParameters

The class variables and functions are defined in each of the classes .h files. These are:

1. Signature.h
2. TabletInterface.h
3. LCDInterface.h
4. TabletParameters.h

Most of the properties and functions of the SigPlus ActiveX match the class variables and functions of the SigPlus C++ Library. Therefore, please refer to the SigPlus ActiveX documentation (www.topazsystems.com/Software/sigplus.pdf) for the majority of the definitions to be found below.

Any definitions **not** found in the ActiveX documentation that are limited to the C++ Library are listed and defined below.

Please see SimpleDemo.cpp, SigTabLtTest.cpp and LCD1x5Demo.cpp for real-world implementation of these functions and properties.

Signature Class Functions

Signature class can be instantiated, allowing the methods in the class to be called.

For example:

```
Signature* Sig;  
sig = new Signature();
```

CaptureThread()

Function:

Arguments:

Return Value: Void

Remarks:

NewStroke()**Function:****Arguments:****Return Value:** Void**Remarks:*****AddPointToStroke()*****Function:****Arguments:****Integers:**XValue
YValue**Return Value:** Void**Remarks:*****NumberOfStrokes()*****Function:** Returns the current number of strokes in the signature. Can be used to verify that the signature is present.**Arguments:****Return Value:** Int**Remarks:*****NumberOfPointsInStroke()*****Function:** Returns the total number of points in the specified stroke.**Arguments:** Integers:
Stroke**Return Value:** Int**Remarks:**

TotalPoints()

Function: Returns the current number of points in the signature. Can be used to verify that the signature is present.

Arguments:

Return Value: Int

Remarks:

GetPointXValue()

Function: Returns the X coordinate value for the specified point The value is in LogicalTablet Coordinates.

Arguments:

Integers:

Strokeldx
PointIdx

Return Value: Int

Remarks:

GetPointYValue()

Function: Returns the Y coordinate value for the specified point The value is in LogicalTablet Coordinates.

Arguments:

Integers:

Strokeldx
PointIdx

Return Value: Int

Remarks:

IsValidPoint()

Function:

Arguments: Shorts:
StrokeNumber
PointNumber

Return Value: Bool

Remarks:

GetPointForStroke()**Function:****Arguments:** Shorts:
StrokeNumber
PointNumber**Return Value:** SigPoint**Remarks:*****ClearSignature()*****Function:** Sets the number of signature points to zero, thus clearing out the signature.**Arguments:****Return Value:** Void**Remarks:*****ClearHotSpotPoints()*****Function:** Removes all created hotspots.**Arguments:****Return Value:** Void**Remarks:*****StartCapture ()*****Function:** Must be called prior to capturing pen data.**Arguments:** TabletInterface:
*Tablet**Return Value:** Bool**Remarks:*****StopCapture()*****Function:** Closes the port and ends pen data capture.**Arguments:****Return Value:** Void**Remarks:**

ProcessTabletSample()

Function:

Arguments: Integers:
Xpos
YPos
Status

Return Value: Void

Remarks:

IsPenNear()

Function:

Arguments: Integers:
Status

Return Value: Bool

Remarks:

IsPenDown()

Function:

Arguments: Integers:
Status

Return Value: Bool

Remarks:

SamplesAreDifferent()

Function:

Arguments: TabletSamples:
*A
*B

Return Value: Bool

Remarks:

OnPenDown()

Function:

Arguments: TabletSample:
*Sample

Return Value: Bool

Remarks:

OnPenUp ()

Function:

Arguments: TabletSample:
*Sample

Return Value: Void

Remarks:

OnPenMove()

Function:

Arguments: TabletSample:
*Sample

Return Value: Void

Remarks:

InitializeFilter()

Function:

Arguments: TabletSample:
*Sample

Return Value: Void

Remarks:

FilterPoint()

Function:

Arguments: TabletSample:
*Sample

Return Value: Void

Remarks:

SetSigWindow()

Function: This function sets a window in the logical tablet space that restricts the operation of some functions to the specified window. The functions behave as follows:

JustifyMode will only operate on points inside of this window.
ExportSigFile and WriteImageFile will only operate on points inside the window.
SigString only operates on points inside of the window.
ClearTablet will only clear in the window.

Arguments: Shorts:
Coords
NewXPos
NewYPos
NewXSize
NewYSize

Return Value: Void

Remarks:

ClearSigWindow ()

Function: Clears pen data either inside or outside the SigWindow (see SetSigWindow).

Arguments: Short:
Inside

Return Value: Void

Remarks:

ExportSigFile()

Function: Saves signature file to specified path.

Arguments: Char:
*FileName

Return Value: Bool

Remarks:

WriteSigFile()

Function:

Arguments: SigFile:
&DestFile

Return Value: Bool

Remarks:

ExportSigFileComp0()

Function:

Arguments: SigFile:
&DestFile

Return Value: Bool

Remarks:

ExportSigFileComp2()

Function:

Arguments: SigFile:
&DestFile

Return Value: Bool

Remarks:

ImportSigFile()

Function: Opens signature file from specified path.

Arguments: Char:
*FileName

Return Value: Bool

Remarks:

ReadSigFile()

Function:

Arguments: SigFile:
&SourceFile

Return Value: Bool

Remarks:

ImportSigFileComp0 ()

Function:

Arguments: SigFile:
&SourceFile

Return Value: Bool

Remarks:

ImportSigFileComp2()

Function:

Arguments: SigFile:
&SourceFile

Return Value: Bool

Remarks:

LoadSigInfoBinary()

Function:

Arguments: SigFile:
&SourceFile

Return Value: Void

Remarks:

LoadAnnotationString()

Function:

Arguments: SigFile:
&SourceFileChar:
*BufferInteger:
Length

Return Value: Void

Remarks:

SaveSigInfoBinary()

Function:

Arguments: SigFile:
&DestFile

Return Value: Void

Remarks:

FileReadError()

Function:

Arguments: Char:
*ErrMsg

Return Value: Void

Remarks:

GetTextNextInteger()

Function:

Arguments: SigFile:
&Source

Return Value: Int

Remarks:

InitSigInfo()

Function:

Arguments:

Return Value: Void

Remarks:

SetEncryptionMode()

Function: Sets Encryption mode. This function is used to set the encryption mode used for importing and exporting sig files.

Arguments: Short:
Mode

Return Value: Void

Remarks:

EnCryptFile()

Function:

Arguments: SigFile:
*FromFile
*ToFile

Return Value: Bool

Remarks:

DeCryptFile()**Function:****Arguments:** SigFile:
*FromFile
*ToFile**Return Value:** Bool**Remarks:****SetKey()****Function:** Sets the encryption key for storing the signature data.**Arguments:** Unsigned Char:
*KeyDataInteger:
Length**Return Value:** Void**Remarks:****GetKey()****Function:****Arguments:** Unsigned Char:
*KeyDataInteger:
Length**Return Value:** Void**Remarks:****GetKeyString()****Function:****Arguments:** Char:
*ResultInteger:
Length**Return Value:** Void**Remarks:**

SetKeyString ()**Function:****Arguments:** Char:
*KeyString**Return Value:** Void**Remarks:****SetAutoKeyData()****Function:** Adds data to the auto key generation function. If called with file name (and path) when AutoKeyStart has not been initialized, this command will generate AutoKey data from a file rather than adding data via BSTR.**Arguments:** Unsigned Char:
*NewValue**Return Value:** Void**Remarks:****AutoKeyStart()****Function:** Initializes the automatic key generation function.**Arguments:****Return Value:** Void**Remarks:****AutoKeyAddData()****Function:****Arguments:** Unsigned Char:
*BufferInteger:
Len**Return Value:** Void**Remarks:****AutoKeyFromFile()****Function:****Arguments:** Const Char:
*FileName**Return Value:** Void**Remarks:**

AutoKeyFinish()

Function: Completes the auto key generation function. After this call, the key is ready to be used in saving an encrypted file, and can be retrieved using GetKey() functions.

Arguments:

Return Value: Void

Remarks:

GetKeyReceipt()

Function:

Arguments:

Return Value: Long

Remarks:

GetKeyReceiptAscii()

Function:

Arguments: Char:
*Result

Return Value: Void

Remarks:

GetSigReceipt()

Function:

Arguments:

Return Value: Long

Remarks:

GetSigReceiptAscii()

Function:

Arguments: Char:
*Result

Return Value: Void

Remarks:

Make40BitKey()

Function:

Arguments: Unsigned Char:
*Src
*Dst

Return Value: Void

Remarks:

ChangeKeyAllowed()

Function:

Arguments:

Return Value: Bool

Remarks:

ToAsciiHex()

Function:

Arguments: Integer:
V

Return Value: Char

Remarks:

FromAsciiHex()

Function:

Arguments: Char:
Ch

Return Value: Int

Remarks:

KeyPadAddHotSpot()

Function: Defines in software the location of a tablet hotspot in logical tablet coordinates. The coordinates of the HotSpot are defined in logical tablet coordinates with (0,0) being the upper left-most pixel. The ini file parameters are used to map the points to logical coordinates if LCD coordinates are used.

Arguments: Shorts:
KeyCode
CoordToUse
XPos
YPos
XSize
YSize

Return Value: Void

Remarks:

KeyPadQueryHotSpot()

Function:

Arguments: Short:
KeyCode

Return Value: Short

Remarks:

KeyPadClearHotSpotList()

Function: Removes all hotspots from the hotspot list.

Arguments:

Return Value: Void

Remarks:

KeyPadConvertToLogical()

Function:

Arguments: Shorts:
LCDPos
LCDSize
LCDStart
LCDStop

Return Value: Short

Remarks:

DrawSignature()

Function: Must be called prior to the WriteImageFile method.

Arguments: Integers:
DrawJustifyX
DrawJustifyY
Width
Height
DrawMode
PenWidth

Return Value: Bool

Remarks:

ScalePoint()

Function:

Arguments: SigWindowTypes:
*Source
*Dest

SigPoint:
&P

Return Value: Void

Remarks:

InitAutoJustify()

Function:

Arguments: SigWindowType:
*Source
*Dest

Return Value: Void

Remarks:

FindMean()

Function:

Arguments: Integers:
*Hist
TotalPoints

Return Value: Int

Remarks:

FindMedian()

Function:

Arguments: Integers:
*Hist
TotalPoints

Return Value: Int

Remarks:

FindMode()

Function:

Arguments: Integer:
*Hist

Return Value: Int

Remarks:

DumpHistogramData()

Function:

Arguments: Integers:
*Hist
TotalPoints

Return Value: Void

Remarks:

ScalePenWidth()

Function:

Arguments: SigWindowType:
*DRect

Integer:
RawWidth

Return Value: Int

Remarks:

DumpImage()

Function:

Arguments: Char:
*FileName

Return Value: Void

Remarks:

DrawSignatureAntiAlias()

Function:

Arguments: SigWindowTypes:
*TRect
*Drect

Integer:
PenWidth

Return Value: Bool

Remarks:

WriteImageFile()

Function: The control will write out a signature file in the current Image file format. The default is .BMP.

Arguments: ImageFileFormats:
Format

Char:
*FileName

Return Value: Bool

Remarks:

TabletInterface Class Functions

TabletInterface class can be instantiated, allowing the methods in the class to be called.

For example:

```
TabletInterface* Tablet;  
Tablet = new TabletInterface();
```

OpenTablet()

Function: Checks if the tablet is connected and if so allows it to accept pen data.

Arguments:

Return Value: Bool

Remarks:

CloseTablet()

Function: Stops tablet from accepting pen data.

Arguments:

Return Value: Bool

Remarks:

GetTabletData()

Function:

Arguments: Unsigned Long:
TimeOutInMs

Return Value: Unsigned Long.

Remarks:

GetTabletPointData()

Function:

Arguments: Unsigned Long:
TimeOutInMs

Return Value: Unsigned Long

Remarks:

PutTabletData()

Function:

Arguments: Unsigned Char:
*Buffer

Integer:
Count

Return Value: Bool

Remarks:

TabletDataReady()

Function:

Arguments:

Return Value: Int

Remarks:

TabletPresent()

Function:

Arguments:

Return Value: Bool

Remarks:

ProcessInputData()

Function:

Arguments: ProcessSerialData:
*ProclF

Return Value: Void

Remarks:

SendSerialINPData()

Function:

Arguments: Unsigned Char:
StatusByteIntegers:
XPos
YPos

Return Value: Void

Remarks:

ProcessNonPointData()

Function:

Arguments: Unsigned Char:
StatusByte
*DataBytes

Return Value: Void

Remarks:

WaitForNonPointCmdData()

Function:

Arguments: Unsigned Long:
TimeOutInteger:
ReturnCount

Return Value: Bool

Remarks:

// TabletCore.cpp***GetTabletIfType()***

Function:

Arguments:

Return Value: TabletType.

Remarks:

ScaleCoordData()

Function:

Arguments: Integers:
*XPos
*YPos

Return Value: Void

Remarks:

PutInPointBuffer()

Function:

Arguments: Unsigned Long:
Point

Return Value: Void

Remarks:

GetFromPointBuffer()

Function:

Arguments:

Return Value: Unsigned Long.

Remarks:

PointsInPointBuffer()

Function:

Arguments:

Return Value: Int

Remarks:

// TabletParameters.cpp***InitTabletParams()***

Function:

Arguments:

Return Value: Void

Remarks:

GetTabletParameters()

Function: Returns settings from ini to TabletParameters construct.

Arguments: TabletParameters:
*Params

Return Value: Void

Remarks:

SetTabletParameters()

Function: Modify settings in TabletParameters construct.

Arguments: TabletParameters:
*Params

Return Value: Void

Remarks:

LoadDefaultParameters()

Function:

Arguments:

Return Value: Void

Remarks:

LoadIniParameters()

Function:

Arguments:

Return Value: Void

Remarks:

// Serial and HID Serial support code***IsStartByte()***

Function:

Arguments: Unsigned Char:
Byte

Return Value: Bool

Remarks:

ConvertCoordData()

Function:

Arguments: Unsigned Char:
Lsb
Msb

Return Value: Int

Remarks:

IsBadPacket()

Function:

Arguments: Unsigned Char:
*Buffer

Return Value: Bool

Remarks:

IsSerialPenData()

Function:

Arguments: Unsigned Char:
Status

Return Value: Bool

Remarks:

InitProcessInputData()

Function:

Arguments:

Return Value: Void

Remarks:

CloseProcessInputData()

Function:

Arguments:

Return Value: Void

Remarks:

ResetSerialInputState()

Function:

Arguments:

Return Value: Void

Remarks:

MakeLongPoint()

Function:

Arguments: Unsigned Char:
StatusByteIntegers:
Xpos
Ypos

Return Value: Unsigned Long.

Remarks:

MakeLongCmd()

Function:

Arguments: Unsigned Char:
Cmd

Return Value: Unsigned Long.

Remarks:

SetPenDown()

Function:

Arguments: Unsigned Char:
*Status

Return Value: Void

Remarks:

SetPenNear()

Function:

Arguments: Unsigned Char:
*Status

Return Value: Void

Remarks:

LCDInterface Class Functions

LCDInterface class can be instantiated, allowing the methods in the class to be called. It takes an instance of TabletInterface argument.

For example:

```
LCDInterface* LCD;  
LCD = new LCDInterface( Tablet );
```

GetLCDCaptureMode()

Function:

Arguments:

Return Value: LCDCaptureModeType.

Remarks:

SetLCDCaptureMode()

Function: This property sets the current LCD Mode for the tablet, the tablet is put into the mode as well.

- Mode 0 – No LCD Tablet. No LCD commands are sent to the tablet.
- Mode 1 - Capture Default. CTRL-D is sent to the tablet, which clears the tablet and sets capture mode to be active with Autoerase in the tablet.
- Mode 2 - Capture Ink CTRL-T is sent to the tablet, putting the tablet in persistent ink capture mode where the tablet does not automatically clear the display.
- Mode 3 - Capture Ink Inverted: CTRL-I is sent to the tablet, where signature ink is displayed inverted against a suitable dark background set using the Graphic functions. Autoerase in the tablet is disabled.

Arguments: LCDCaptureModeType:
newMode

Return Value: Void

Remarks:

LCDSetWindow()

Function: This function sets the tablet so that the LCD display will be showing ink only in a restricted area when data is input with a pen in LCDCaptureMode = 2 and = 3 inking modes. Returning the tablet to default state (such as using LCDCaptureMode = 1) will reset these values.

Arguments: Shorts:
XPos
YPos
XSize
YSize

Return Value: Bool

Remarks:

LCDWriteString()

Function: Used to write the image data to the LCD Display. The data is written at the location specified by the combination of Dest, XPos, and YPos. The Mode determines how the data is written. SEE REMARKS BELOW ON THE FORMAT ARGUMENT.

- Mode 0 - Clear: The Display is cleared at the specified location.
- Mode 1 - Complement: The Display is complemented at the specified location.
- Mode 2 - WriteOpaque: The contents of the background memory in the tablet are transferred to the LCD display, overwriting the contents of the LCD display.
- Mode 3 - WriteTransparent: The contents of the background memory in the tablet are combined with and transferred to the visible LCD memory

Arguments: Shorts:
Dest
Mode
XPos
YPos

CharacterMap:
*Font

Char:
*Str

Return Value: Bool

Remarks:

LCDStringWidth()

Function: CharacterMap() is used to define the font for the string.

Arguments: CharacterMap:
*Font

Char:
*Str

Return Value: Int

Remarks:

LCDStringHeight()

Function:

Arguments: CharacterMap:
*Font

Char:
*Str

Return Value: Int

Remarks:

LCDRefresh()

Function: The tablet is sent a refresh command with 4 possible modes:

Mode 0 -	Clear: The Display is cleared at the specified location.
Mode 1 -	Complement: The Display is complemented at the specified location.
Mode 2 -	WriteOpaque: The contents of the background memory in the tablet are transferred to the LCD display, overwriting the contents of the LCD display.
Mode 3 -	WriteTransparent: The contents of the background memory in the tablet are transferred to the LCD display, and combined with the contents of the LCD display.

Arguments: Shorts:
Mode
XPos
YPos
XSize
YSize

Return Value: Bool

Remarks:

LCDSendCmdString()

Function:

Arguments: Char:
*CmdString
*Result

Short:
ReturnCount

Long:
TimeOut

Return Value: Int

Remarks:

LCDSetupTablet()

Function:

Arguments:

Return Value: Void

Remarks:

LCDSendCommand()

Function:

Arguments: LCDWindowedCmdType:
*Cmd

Integer:
DataSize

Return Value: Bool

Remarks:

LCDSendGraphic()

Function: Used to write graphical data to the LCD Display. The data is written at the location specified by the combination of Dest and The Mode determines how the data is written.

Mode 0 - Clear: The Display is cleared at the specified location.
Mode 1 - Complement: The Display is complemented at the specified location.
Mode 2 - WriteOpaque: The contents of the background memory in the tablet are transferred to the LCD display, overwriting the contents of the LCD display.
Mode 3 - WriteTransparent: The contents of the background memory in the tablet are combined with and transferred to the visible LCD memory

Arguments: Shorts:
Dest
Mode

LCDGraphicBitmap:
*BitmapData

Return Value: Bool

Remarks:

GetLCDSize()

Function:

Arguments:

Return Value: Long.

Remarks:

GetLCDStringSize()

Function:

Arguments: Char:
*Str

Return Value: Long.

Remarks:

TabletParameters Class Functions

The TabletParameters class consists of a construct, which obtains tablet X and Y start and stop values, sizing, port enumeration, tablet model among other tablet parameters. Use the GetTabletParameters() and SetTabletParameters() to get these params from the SigPlus.ini file, and also to change any specific settings you may wish to.

For example:

```
TabletParameters Params;
```

Signature Class Variables

General Properties:

CaptureIF;

Variable Type: CaptureSig*

Remarks:

StrokeList;

Variable Type: SigStroke*

Remarks:

KillCapture;

Variable Type: Bool

Remarks:

CaptureActive;

Variable Type: Bool

Remarks:

CurrentTablet;

Variable Type: TabletInterface*

Remarks:

PenState;

Variable Type: Volatile
Enum
PenStates

Remarks:

SavedSamples;

Variable Type: TabletSampleList

Remarks:

SamplesToSave;

Variable Type: Short

Remarks:

LastSample;

Variable Type: TabletSample

Remarks:

SigWindow;

Variable Type: SigWindowType

Remarks:

MaxPointDelta;

Variable Type: int

Remarks:

BadPointCounter;

Variable Type: int

Remarks:

Filter[16];

Variable Type: TabletSample

Remarks:

NumFilterPoints;

Variable Type: int

Remarks:

NextPoint;

Variable Type: int

Remarks:

TimeStamp[512];

Variable Type: char

Remarks:

DisplayTimeStampPos;

Variable Type: SigPoint

Remarks:

DisplayTimeStampSize;

Variable Type: short

Remarks:

DisplayTimeStamp;

Variable Type: bool

Remarks:

ImageTimeStampPos;

Variable Type: SigPoint

Remarks:

ImageTimeStampSize;

Variable Type: short

Remarks:

ImageTimeStamp;

Variable Type: bool

Remarks:

EncryptionMode;

Variable Type: EncryptionModes

Remarks: Three modes:
0 = Default, No Encryption
1 = 40-bit DES Encryption
2 = 128-bit SAFER (lower to 40-bit to be in compliance with int'l export laws)

Annotate[512];

Variable Type: char

Remarks:

DisplayAnnotatePos;

Variable Type: SigPoint

Remarks:

DisplayAnnotateSize;

Variable Type: short

Remarks:

DisplayAnnotate;

Variable Type: bool

Remarks:

ImageAnnotatePos;

Variable Type: SigPoint

Remarks:

ImageAnnotateSize;

Variable Type: short

Remarks:

ImageAnnotate;

Variable Type: bool

Remarks:

SaveSigInfo;

Variable Type: bool

Remarks:

SigKeyData[MaxSigKeySize];

Variable Type: unsigned char

Remarks:

SigKeyDataLen;

Variable Type: short

Remarks:

AutoKeyHash[Md5HashSize];

Variable Type: Unsigned char

Remarks:

AutoKeyContext;

Variable Type: Xmd5Context

Remarks:

AutoKeyStarted;

Variable Type: bool

Remarks:

HotSpots;

Variable Type: HotSpotList

Remarks:

HotSpotPoints;

Variable Type: SigStroke*

Remarks:

JustifyX;

Variable Type: short

Remarks:

JustifyY;

Variable Type: short

Remarks:

JustifyMode;

Variable Type: JustifyModes

Remarks:

AutoJustifyGain;

Variable Type: long

Remarks:

AutoJustifyX0;

Variable Type: long

Remarks:

AutoJustifyY0;

Variable Type: long

Remarks:

AutoJustifyXOff;

Variable Type: long

Remarks:

AutoJustifyYOff;

Variable Type: long

Remarks:

JustifyYExtent;

Variable Type: double

Remarks:

ImageDrawBuff;

Variable Type: unsigned char*

Remarks:

ImageDrawBuffXSize;

Variable Type: int

Remarks:

ImageDrawBuffYSize;

Variable Type: int

Remarks:

ImageMono;

Variable Type: bool

Remarks:

AntiAliasLineScale;

Variable Type: float

Remarks:

AntiAliasSpotSize;

Variable Type: float

Remarks:

TabletInterface Class Variables (General Properties)

TabletParams;

Variable Type: TabletParameters

Remarks:

ParameterVersion;
PortNumber;
BaudRate;
TabletMode;
TabletMode;
TabletX1;
TabletY1;
TabletX2;
TabletY2;
TabletLogicalXSize;
TabletLogicalYSize;
TabletResolution;
TabletRotation;
UsbMode;
UseMultiUsb;
EnableLogging;
TestIfConnected;
TabletIpAddress;
LCDType;
LCDXSize;
LCDYSize;
LCDXStart;
LCDYStart;
LCDXStop;
LCDYStop;
LCDWriteDelay;
LCDRetryCount;
tabletPortPath[128];

TabletOpen;

Variable Type: bool

Remarks:

LogFile;

Variable Type: FILE*

Remarks:

CircBuff;

Variable Type: CircularBuffer*

Remarks:

PointBuff;

Variable Type: PointBuffer*

Remarks:

NonPointBuff;

Variable Type: PointBuffer*

Remarks:

SerialIF;

Variable Type: SerialIoIF*

Remarks:

HidIF;

Variable Type: HidIoIF*

Remarks:

UsbIF;

Variable Type: UsbIoIF*

Remarks:

SocketIF;

Variable Type: SocketIoIF*

Remarks:

ProclF;

Variable Type: ProcessSerialData*

Remarks:

SerialNumber;

Variable Type: unsigned long

Remarks:

ModelNumber;

Variable Type: unsigned long

Remarks:

Serial and SerialHID Thread Support (General Properties)

Serial InputState;

Variable Type:

volatile
enum
SerialState

Remarks:

SerialStateReset;

Variable Type:

volatile
bool

Remarks:

KillProcessInputData;

Variable Type:

volatile
bool

Remarks:

ProcessInputDataRunning;

Variable Type:

volatile
bool

Remarks:

LCDInterface Class Variables (General Properties)

LCDCaptureModeType;

Variable Type:

typedefenum
LCDCaptureModes

Remarks:

Tab;

Variable Type:

TabletInterface*

Remarks:

LDCaptureMode;

Variable Type: LDCaptureModeType

Remarks:

1 = Default, Auto-erase
2 = No-erase (must be set when performing interactive LCD program)

TabletParameters Class Variables (General Properties)

ParameterVersion;

Variable Type: short

Remarks:

PortNumber;

Variable Type: short

Remarks:

Sets port for pen data capture (serial, USB, HID USB)

BaudRate;

Variable Type: long

Remarks:

TabletMode;

Variable Type: short

Remarks:

TabletX1;

Variable Type: short

Remarks:

TabletY1;

Variable Type: short

Remarks:

TabletX2;

Variable Type: short

Remarks:

TabletY2;

Variable Type: short

Remarks:

TabletLogicalXSize;

Variable Type: short

Remarks:

TabletLogicalYSize;

Variable Type: short

Remarks:

TabletResolution;

Variable Type: long

Remarks:

TabletRotation;

Variable Type: int

Remarks:

UsbMode;

Variable Type: int

Remarks:

UseMultiUsb;

Variable Type: bool

Remarks:

EnableLogging;

Variable Type: bool

Remarks:

TestIfConnected;

Variable Type: bool

Remarks:

TabletIpAddress;

Variable Type: unsigned long

Remarks:

LCDType;

Variable Type: short

Remarks:

LCDXSize;

Variable Type: short

Remarks:

LCDYSize;

Variable Type: short

Remarks:

LCDXStart;

Variable Type: short

Remarks:

LCDYStart;

Variable Type: short

Remarks:

LCDXStop;

Variable Type: short

Remarks:

LCDYStop;

Variable Type: short

Remarks:

LCDWriteDelay;

Variable Type: long

Remarks:

LCDRetryCount;

Variable Type: unsigned int

Remarks:

tabletPortPath[128];

Variable Type: char

Remarks: