



# How-To Guide

## SigPlus Demo LCD 1x5 Access

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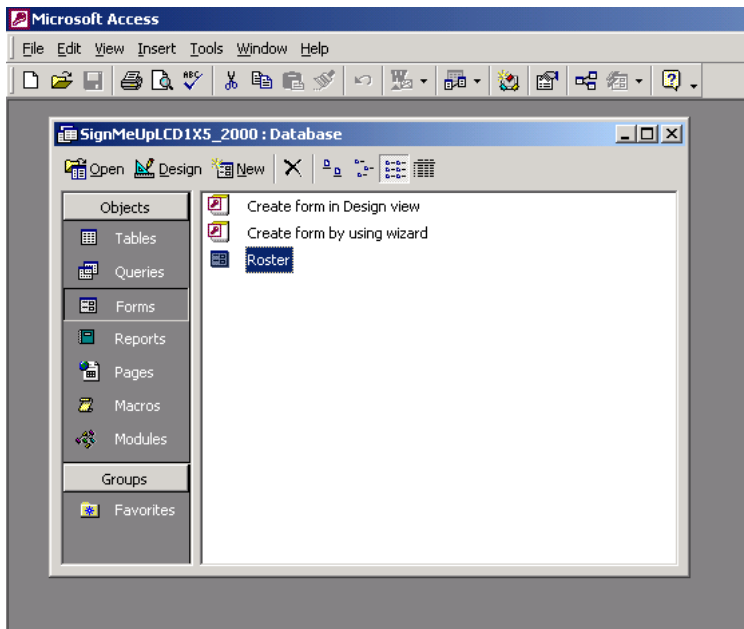
## Overview

Welcome to the “SignMeUpLCD1X5\_2000.mdb” Guide. This will walk you through our demo “SignMeUpLCD1X5\_2000.mdb”, available from our website.

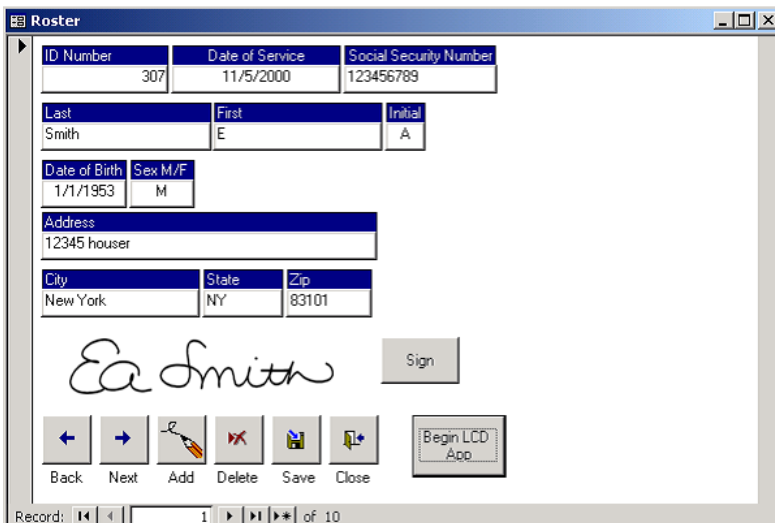
To download go to: [www.topazsystems.com/access.html](http://www.topazsystems.com/access.html)

This demo shows the developer how to create an application that communicates information to the LCD 1x5. Begin by opening “SignMeUpLCD1X5\_2000.mdb”.

This window will appear on your monitor. Click on “Forms” in the object menu, and then “Roster”.



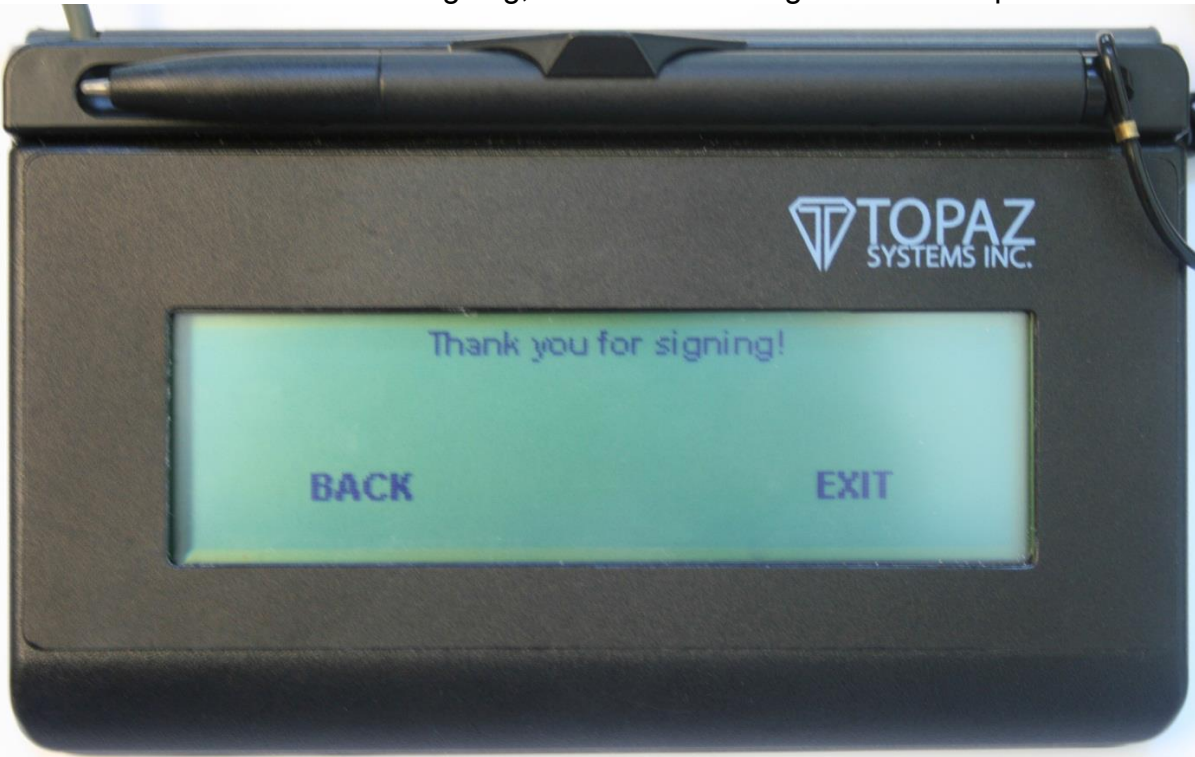
The roster below will be displayed on the screen. Click “Begin LCD App” to sign.



Sign on the dotted line on your tablet (shown below).



Press "OK" after you are done signing. Your tablet will now display the options "Back" and "Exit." Click "Exit" to conclude signing, or click "Back" to go back to the previous screen.



## The Code

Below is the code that is run when you click on “Begin LCD App.” The code is fairly well marked; please refer to markers to see functionality.

```

Private Sub cmdBeginLCD_Click()
SigPlus2.LCDSetTabletMap 0, 240, 64, 100, 0, 1900, 700 'Sets Map up for LCD 1X5 tablet
*****!

' The following parameters are set in case the user's INI file is not correctly set up for an
LCD
1X5 tablet
' Otherwise, if the INI is correctly set up, these parameters do not need to be set
SigPlus2.TabletXStart = 400
SigPlus2.TabletXStop = 2400
SigPlus2.TabletYStart = 350
SigPlus2.TabletYStop = 1050
SigPlus2.TabletLogicalXSize = 2000
SigPlus2.TabletLogicalYSize = 700
*****!

SigPlus2.LCDRefresh 0, 0, 0, 240, 64

SigPlus2.LCDCaptureMode = 2 'Sets mode so ink will not disappear after a few seconds

'The following code will write BMP images out to the LCD 1X5 screen
SigPlus2.LCDWriteFile 1, 2, 0, 0, 240, 53, 0, "c:\ThankYou.bmp" 'This image is
'written out to the background

'These two BMPs are written out to the foreground
SigPlus2.LCDWriteFile 0, 2, 0, 20, 240, 44, 0, "c:\Sign.bmp"
SigPlus2.LCDWriteFile 0, 2, 207, 4, 21, 11, 0, "c:\OK.bmp"

SigPlus2.LCDWriteFile 0, 2, 15, 4, 37, 11, 0,
"c:\CLEAR.bmp"

'Create the hot spot for the OK BMP
SigPlus2.KeyPadAddHotSpot 0, 1, 197, 5, 19, 17 'For OK button
SigPlus2.KeyPadAddHotSpot 1, 1, 10, 5, 53, 17 'For CLEAR
button
SigPlus2.ClearTablet

'The following sets the LCD's signature window up to display ink only in the
'certain spot on the LCD specified--in this case, the Signature BMP area
SigPlus2.LCDSetWindow 0, 22, 240, 40
SigPlus2.SetSigWindow 1, 0, 22, 240, 40 'Sets the area where ink is permitted in the
SigPlus object

SigPlus2.TabletState = 1 'Turns tablet on to collect signature
SigPlus2.SetEventEnableMask
(1) End Sub

```

This is the pen down event, fired when the pen hits the pad. The pen down event is used to check the hotspots and whether the user has tapped one or not. Below each hotspot represents a possible button that the user tapped on. "Hotspot(0) = ok", "Hotspot(1) = clear", "Hotspot(2) = back", and "Hotspot(3) = exit" is used to display the signature in the database.

```
Private Sub SigPlus2_PenDown()
```

```
If SigPlus2.KeyPadQueryHotSpot(0) > 0 Then 'if the OK hotspot is tapped, then...
```

```
    SigPlus2.LCDRefresh 1, 210, 3, 14, 14 'Refresh LCD at 'OK' to indicate to user that this option
    has been sucessfully chosen
```

```
If SigPlus2.NumberOfTabletPoints > 0 Then
```

```
    SigPlus2.JustifyMode = 5
    'strSignature = SigPlus1.SigString
    'this is where you grab the signature!!
    'SigPlus2.SigCompressionMode = 1
    LCDSignature.Value = SigPlus2.SigString
    SigPlus2.LCDSetWindow 0, 0, 0, 0
    SigPlus2.LCDRefresh 0, 0, 0, 240, 64
    SigPlus2.LCDRefresh 2, 0, 0, 240, 52 'Brings the background image already loaded
    into foreground
    SigPlus2.ClearTablet
    SigPlus2.ClearSigWindow 1
    SigPlus2.KeyPadClearHotSpotList
    SigPlus2.KeyPadAddHotSpot 2, 1, 29, 38, 44, 19 'For BACK button
    SigPlus2.KeyPadAddHotSpot 3, 1, 172, 37, 40, 19 'For EXIT button
```

```
Else
```

```
    SigPlus2.LCDRefresh 0, 0, 0, 240, 64
    SigPlus2.LCDWriteFile 0, 2, 4, 20, 234, 20, 0,
    "c:\please.bmp" Sleep 750
    SigPlus2.ClearTablet
    SigPlus2.LCDWriteFile 0, 2, 0, 20, 240, 44, 0, "c:\Sign.bmp"
    SigPlus2.LCDWriteFile 0, 2, 207, 4, 21, 11, 0, "c:\OK.bmp"
    SigPlus2.LCDWriteFile 0, 2, 15, 4, 37, 11, 0, "
    c:\CLEAR.bmp"
```

```
End If
```

```
End If
```

```
If SigPlus2.KeyPadQueryHotSpot(1) > 0 Then 'if the CLEAR hotspot is tapped, then...
```

```
    SigPlus2.LCDRefresh 1, 10, 0, 53, 17 'Refresh LCD at 'CLEAR' to indicate to user that this option
    has been sucessfully chosen
    SigPlus2.LCDRefresh 0, 0, 18, 240, 50 'Clear out both signature and signature box
    SigPlus2.LCDWriteFile 0, 2, 0, 20, 240, 44, 0, "c:\Sign.bmp"
```

```
    SigPlus2.LCDRefresh 1, 10, 0, 53, 17 'Refresh LCD at 'CLEAR' to return CLEAR button to normal
    SigPlus2.ClearTablet
```

```
End If
```

```
If SigPlus2.KeyPadQueryHotSpot(2) > 0 Then 'if the BACK hotspot is tapped, then...
```

```
    SigPlus2.LCDRefresh 1, 29, 38, 44, 19 'Refresh (invert) LCD at 'BACK' to indicate to user
    that this option has been sucessfully chosen
```

```
    SigPlus2.LCDRefresh 0, 0, 0, 240, 64
    SigPlus2.ClearTablet
    SigPlus2.ClearSigWindow 1
    SigPlus2.LCDSetWindow 0, 22, 240, 40
```

```
SigPlus2.LCDWriteFile 0, 2, 0, 20, 240, 44, 0, "c:\Sign.bmp"  
SigPlus2.LCDWriteFile 0, 2, 207, 4, 21, 11, 0, "c:\OK.bmp"  
SigPlus2.LCDWriteFile 0, 2, 15, 4, 37, 11, 0, "c:\CLEAR.bmp"  
SigPlus2.ClearTablet  
SigPlus2.KeyPadClearHotSpotList  
SigPlus2.KeyPadAddHotSpot 0, 1, 197, 5, 19, 17 'For OK button  
SigPlus2.KeyPadAddHotSpot 1, 1, 10, 5, 53, 17 'For CLEAR button  
End If  
If SigPlus2.KeyPadQueryHotSpot(3) > 0 Then 'if the EXIT hotspot is tapped, then...  
    SigPlus2.LCDRefresh 1, 182, 37, 30, 19 'Refresh (invert) LCD at 'OK' to indicate to user that this  
    option has been sucessfully chosen  
    SigPlus2.LCDCaptureMode = 1  
    SigPlus2.LCDRefresh 0, 0, 0, 240, 64  
    SigPlus2.TabletState = 0  
    SigPlus2.LCDSetWindow 0, 0, 240, 64  
    SigPlus2.SetSigWindow 1, 0, 0, 240, 64  
    SigPlus2.SigCompressionMode = 1  
    If Len(LCDSignature.Value) > 0 Then  
        SigPlus2.SigString = LCDSignature.Value  
    End If  
    SigPlus2.KeyPadClearHotSpotList  
End  
End If  
SigPlus2.SetEventEnableMask (1)  
  
End Sub
```

For more information on all other functionality, please see our Access How-To available at:  
[www.topazsystems.com/Software/download/accessdemohowto.pdf](http://www.topazsystems.com/Software/download/accessdemohowto.pdf)