



## Topaz Systems, Inc. SignMeUpLCD4X3\_2000.mdb Guide

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Welcome to the “SignMeUpLCD4X3\_2000.mdb” Guide. This will walk you through our demo “SignMeUpLCD4X3\_2000.mdb”, available from our website.

To download go to:

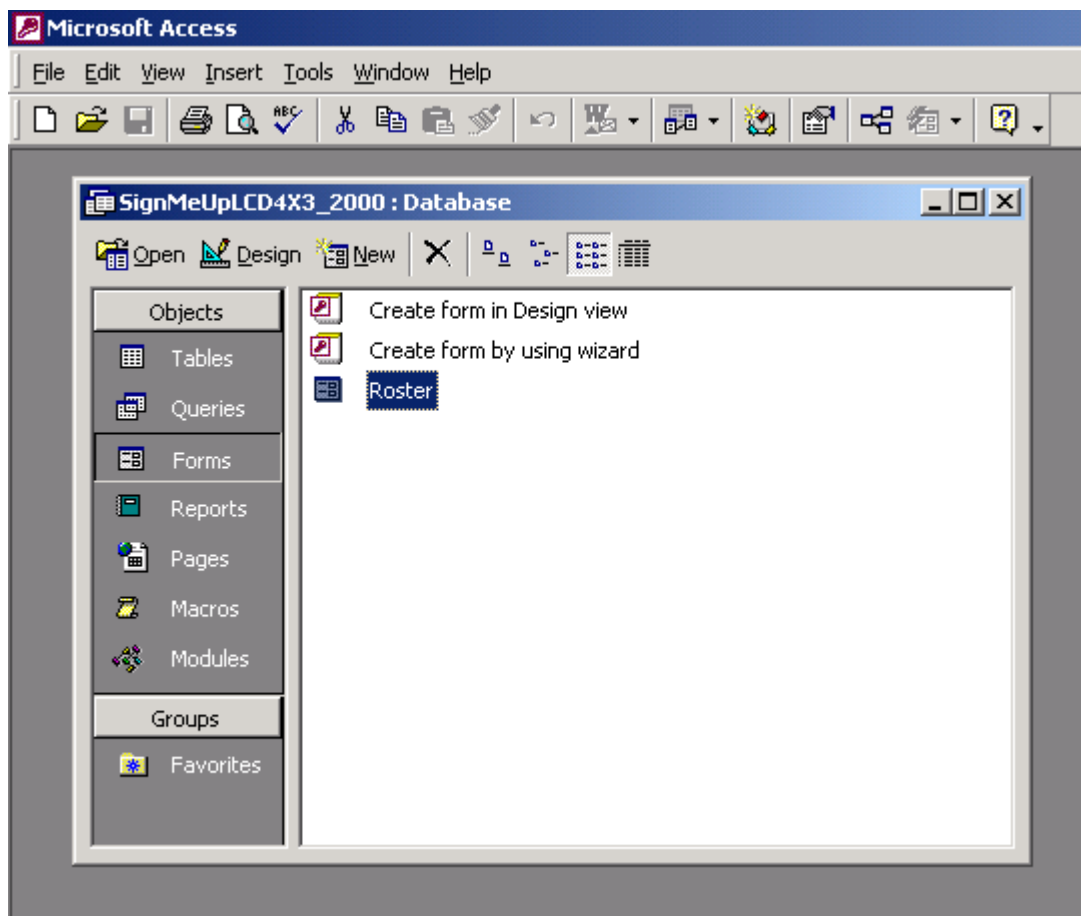
*For Access 2002*

[www.topazsystems.com/software/download/access/signmeup02.zip](http://www.topazsystems.com/software/download/access/signmeup02.zip)

*For Access 2000*

[www.topazsystems.com/software/download/access/signmeup.zip](http://www.topazsystems.com/software/download/access/signmeup.zip)

This demo shows the developer how to create an application that communicates information to the LCD 4x3. Begin by opening “SignMeUpLCD4X3\_2000.mdb”. The window below will appear on your monitor. Click on “Forms” in the object menu, and then “Roster” as shown below.



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

ID Number	Date of Service	Social Security Number
307	11/5/2000	123456789

Last	First	Initial
Smith	E	A

Date of Birth	Sex M/F
1/1/1953	M

Address  
12345 houser

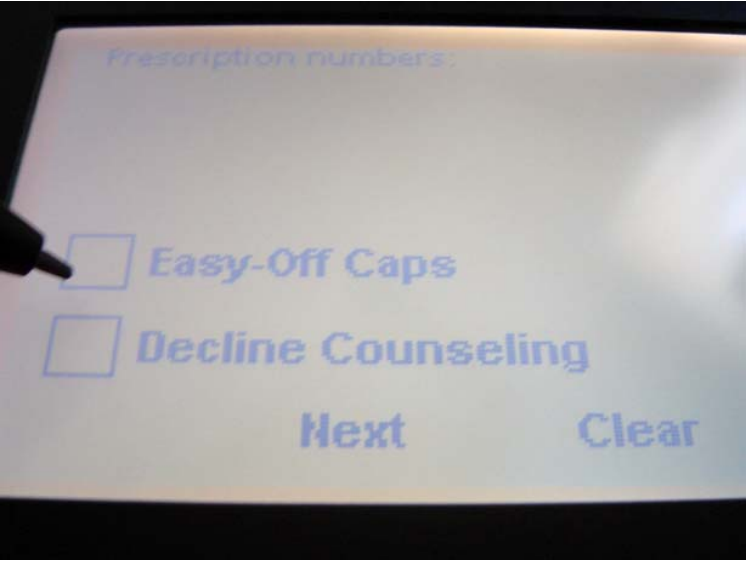
City	State	Zip
New York	NY	83101

Handwritten signature: EASmith

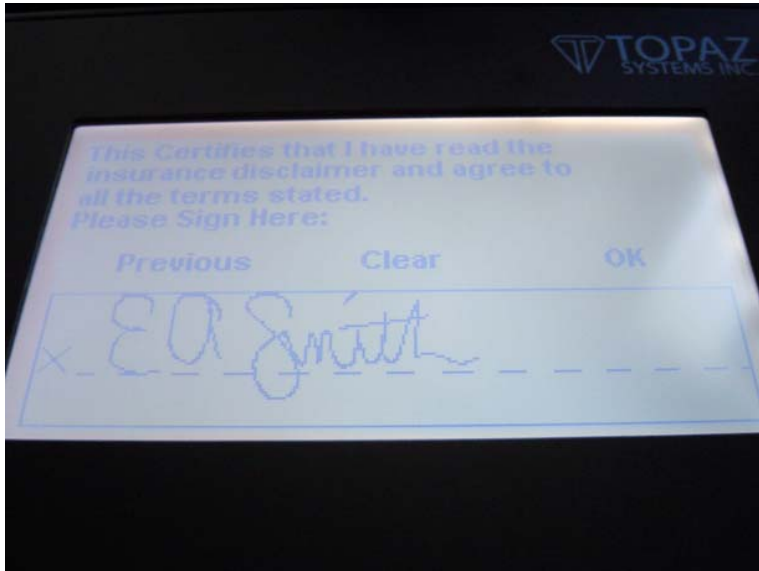
Buttons: Back, Next, Add, Delete, Save, Close, Begin LCD App

Record: 1

From here you can choose to turn “Easy-Off Caps” on, or you can “Decline Counseling.” Make your selections and tap “Next.” If you make a mistake you can press “Clear” to clear whatever check marks you have made. .



The next screen prompts the user to sign. Sign on the dotted line, as shown below. Press "Ok" after you are done signing.



### 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, 128, 200, 250, 2000, 1300 'Sets up SigPlus for LCD 4X3  
tablet  
SigPlus2.TabletXStart = 500  
SigPlus2.TabletXStop = 2650  
SigPlus2.TabletYStart = 400  
SigPlus2.TabletYStop = 2100  
SigPlus2.TabletLogicalXSize = 2150  
SigPlus2.TabletLogicalYSize = 1700  
  
SigPlus2.LCDSetWindow 0, 0, 0, 0 'Prohibit inking on entire LCD  
SigPlus2.LCDRefresh 0, 0, 0, 240, 128 'Refresh entire tablet  
  
SigPlus2.LCDCaptureMode = 2 'Sets up LCD to retain data rather than  
'auto clearing it every few seconds  
  
'AppScreen = 1 'AppScreen variable used to determine the "page" the user  
'is on  
  
SigPlus2.TabletState = 1 'open com, turn tablet on  
SigPlus2.ClearTablet 'Clears the SigPlus object of ink  
  
SigPlus2.KeyPadAddHotSpot 0, 1, 11, 55, 15, 25 'set up hot spots  
SigPlus2.KeyPadAddHotSpot 1, 1, 11, 75, 15, 25  
SigPlus2.KeyPadAddHotSpot 2, 1, 70, 95, 30, 30  
SigPlus2.KeyPadAddHotSpot 3, 1, 132, 95, 40, 30  
  
SigPlus2.LCDWriteFile 1, 2, 0, 0, 240, 128, 0, "c:\Screen2.bmp"
```

```
'SigPlus1.LCDWriteBitmap 1, 2, 0, 0, 240, 128, Image3.Picture.Handle 'load BMPs  
'this BMP is loaded into background
```

```
'The rest of the BMPs are loaded into foreground  
SigPlus2.LCDWriteFile 0, 2, 10, 0, 100, 10, 0, "c:\prescription.bmp"  
SigPlus2.LCDWriteFile 0, 2, 10, 64, 130, 40, 0, "c:\CheckBoxes.bmp"  
SigPlus2.LCDWriteFile 0, 2, 70, 110, 100, 10, 0, "c:\Next_Clear.bmp"  
'SigPlus1.LCDWriteBitmap 0, 2, 10, 0, 100, 10, Prescriptions.Picture.Handle  
'SigPlus1.LCDWriteBitmap 0, 2, 10, 64, 130, 40, CheckBoxes.Picture.Handle  
'SigPlus1.LCDWriteBitmap 0, 2, 70, 110, 100, 10, Next_Clear.Picture.Handle  
  
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. Here is the Pulling Loop where hotspots are managed. In HotSpot(0) we check off the Easy-Off Caps. HotSpot(1) checks off the Decline Counseling. HotSpot(2) moves to the next page while HotSpot(3) clears the checked boxes. Shown below.

```
Private Sub SigPlus2_PenDown()  
  
If SigPlus2.KeyPadQueryHotSpot(0) > 0 Then  
    SigPlus2.ClearTablet 'Clear SigPlus  
    SigPlus2.LCDWriteFile 0, 3, 12, 65, 14, 13, 0, "c:\check.bmp"  
End If  
If SigPlus2.KeyPadQueryHotSpot(1) > 0 Then  
    SigPlus2.ClearTablet  
    SigPlus2.LCDWriteFile 0, 3, 12, 88, 14, 13, 0, "c:\check.bmp"  
End If  
If SigPlus2.KeyPadQueryHotSpot(2) > 0 Then  
    SigPlus2.ClearTablet  
  
    'clear hotspots and add "page 2" hot spots  
    SigPlus2.KeyPadClearHotSpotList  
    SigPlus2.KeyPadAddHotSpot 4, 1, 17, 53, 60, 15  
    SigPlus2.KeyPadAddHotSpot 5, 1, 106, 51, 36, 16  
    SigPlus2.KeyPadAddHotSpot 6, 1, 187, 52, 30, 15  
  
    SigPlus2.LCDRefresh 1, 70, 110, 30, 15 'Inverts (makes black) only  
'the section of the LCD specified...typically used to indicate to  
'the user that their pen tap has been recognized  
  
    SigPlus2.LCDRefresh 2, 0, 0, 240, 128 'sets the BMP in the background  
'to the foreground  
  
    SigPlus2.LCDSetWindow 0, 74, 240, 118 'Permits only the section  
    SigPlus2.SetSigWindow 1, 0, 74, 240, 118  
'specified to draw ink on the LCD screen  
  
    'Set the "page" the user is on to page 2  
End If  
If SigPlus2.KeyPadQueryHotSpot(3) > 0 Then  
    SigPlus2.ClearTablet  
    SigPlus2.LCDRefresh 1, 132, 110, 40, 15 'Inverts only the section of the  
    LCD specified  
  
    SigPlus2.LCDWriteFile 0, 2, 10, 64, 130, 40, 0, "c:\Checkboxes.bmp"
```

```
SigPlus2.LCDRefresh 1, 132, 110, 40, 15 'Reverses inversion to  
'return that section of the LCD to normal  
End If
```

HotSpot(4) is used to go back to the previous page. HotSpot(5) is used to clear the signature data from the LCD. And HotSpot(6) is used to accept the signature after checking to ensure it exists (shown below).

```
If SigPlus2.KeyPadQueryHotSpot(4) > 0 Then  
    SigPlus2.ClearTablet  
  
    'clear hotspots and go back to "page 1" hot spots  
    SigPlus2.KeyPadClearHotSpotList  
    SigPlus2.KeyPadAddHotSpot 0, 1, 11, 55, 15, 25 'set up hot spots  
    SigPlus2.KeyPadAddHotSpot 1, 1, 11, 75, 15, 25  
    SigPlus2.KeyPadAddHotSpot 2, 1, 70, 95, 30, 30  
    SigPlus2.KeyPadAddHotSpot 3, 1, 132, 95, 40, 30  
  
    SigPlus2.LCDRefresh 1, 18, 53, 58, 15 'Inverts that section of LCD  
    SigPlus2.LCDRefresh 0, 0, 0, 240, 128  
  
    'Redraw all of the BMPs, user goes back to page 1  
    SigPlus2.LCDWriteFile 0, 2, 10, 0, 100, 10, 0, "c:\prescription.bmp"  
    SigPlus2.LCDWriteFile 0, 2, 10, 64, 130, 40, 0, "c:\CheckBoxes.bmp"  
    SigPlus2.LCDWriteFile 0, 2, 70, 110, 100, 10, 0, "c:\Next_Clear.bmp"  
    SigPlus2.LCDSetWindow 0, 0, 0, 0 'Prohibit ink from being drawn on entire LCD  
    'Set AppScreen variable back to "page" 1  
  
End If  
If SigPlus2.KeyPadQueryHotSpot(5) > 0 Then  
    SigPlus2.ClearTablet  
    SigPlus2.LCDRefresh 1, 106, 52, 40, 16  
    SigPlus2.LCDRefresh 2, 0, 0, 240, 128  
    SigPlus2.TabletState = 1  
End If  
If SigPlus2.KeyPadQueryHotSpot(6) > 0 Then  
    'SigPlus1.ClearTablet  
    SigPlus2.LCDRefresh 1, 186, 53, 35, 15  
    Sleep 500  
    SigPlus2.LCDRefresh 0, 0, 0, 240, 128  
  
    If SigPlus2.NumberOfTabletPoints > 0 Then  
        SigPlus2.TabletState = 0  
        SigPlus2.JustifyMode = 5  
        'strSignature = SigPlus1.SigString  
        'this is where you grab the signature!!  
        'SigPlus2.SigCompressionMode = 1  
        LCDSignature.Value = SigPlus2.SigString  
        'SigPlus  
  
        SigPlus2.LCDSetFont 18, 8, 1, 0, 0, 0, "Arial"  
        SigPlus2.LCDWriteString 0, 2, 23, 49, 0, 0, 0, "Thank You For Signing!"  
        SigPlus2.LCDWriteFile 0, 2, 58, 90, 105, 30, 0, "c:\topazlogo.bmp"  
        Sleep 3000  
        SigPlus2.ClearTablet  
        'SigPlus1.LCDRefresh 1, 186, 53, 35, 15  
        SigPlus2.TabletState = 1  
        SigPlus2.LCDRefresh 0, 0, 0, 240, 128 'Clears entire LCD screen  
        SigPlus2.LCDCaptureMode = 1 'Resets regular auto-clear inking  
        SigPlus2.TabletState = 0  
    End If  
End If
```

```
Else
  SigPlus2.LCDSetFont 16, 9, 1, 0, 0, 0, "Arial"
  SigPlus2.LCDWriteString 0, 2, 65, 38, 0, 0, 0, "Please Sign"
  SigPlus2.LCDWriteString 0, 2, 40, 63, 0, 0, 0, "Before Continuing..."
  Sleep 2500
  SigPlus2.ClearTablet
  SigPlus2.LCDRefresh 2, 0, 0, 240, 128
End If

'blnHotSpot = True
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)

For more information regarding products and support, please visit the Topaz web site at  
<http://www.topazsystems.com>