



# How-To Guide

## BSB Pads In a Remote Environment

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## Detailed Steps for Setting Up BSB Pads

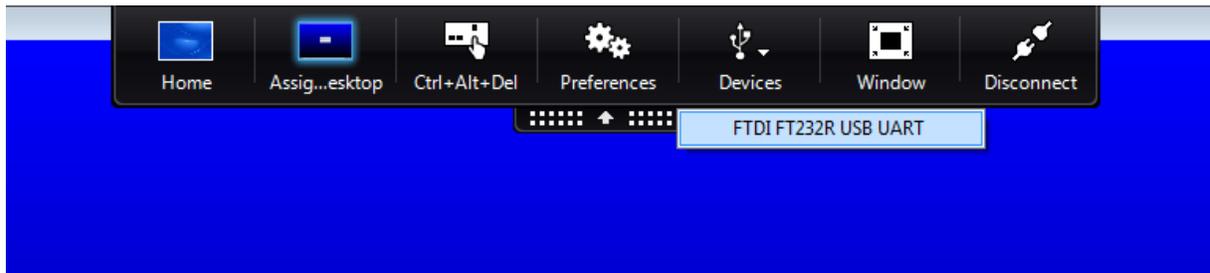
### For Citrix XenDesktop (Server-Side Only)

1. Please refer to this document from Citrix for implementing the USB redirection built into XenDesktop: <http://support.citrix.com/article/CTX137939>.
2. The VID and PID for the Topaz 'BSB' signature pad device to use are:  
VID 0x0403 and PID 0x6001.

You will need to use these values as per the directions. Plug the signature pad in as part of this redirection.

3. Finally, download and run the “SigPlus BSB installer” to your XenDesktop Server:  
[www.topazsystems.com/Software/sigplusbsb.exe](http://www.topazsystems.com/Software/sigplusbsb.exe).

After installation is complete, plug in the signature pad. Select “Devices” and “FTDI FT232R USB UART” from the list. You are now ready to sign.



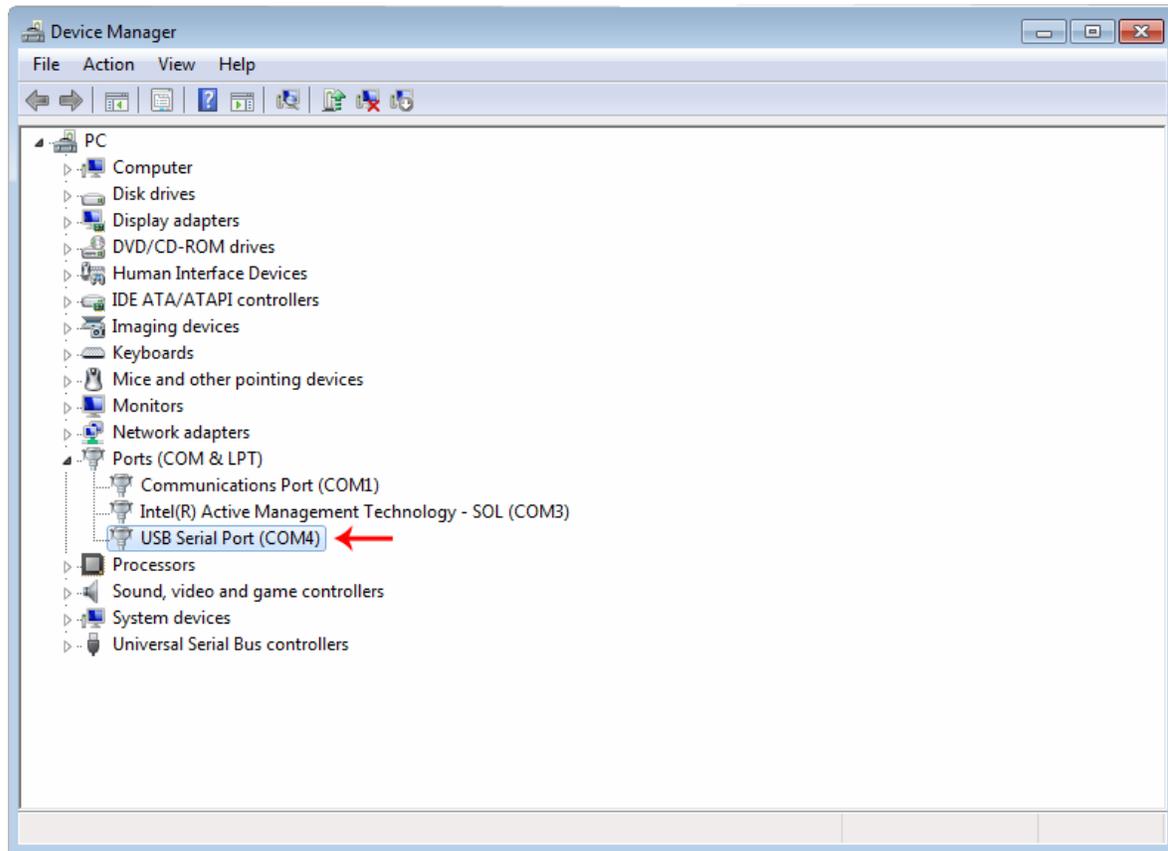
### For Citrix XenApp or Presentation Server

#### Part 1: Client Side Installation

1. Download/save the “SigPlus BSB pad installer” to your local client computer/terminal:  
[www.topazsystems.com/software/sigplusbsb.exe](http://www.topazsystems.com/software/sigplusbsb.exe).
2. Right-click the “sigplusbsb.exe”, and choose “Run as Administrator”.
3. Follow the installer through, choosing the appropriate tablet model during install.

4. Click “Start”, right-click on “Computer”, and choose “Properties”. Click “Device Manager” from the menu.
5. Expand the “Ports” section and locate the “USB Serial Port” entry, as shown below.

*Note what COM port was assigned to this device. This value will be required later in setup. In the example below, this is COM4.*



### **Part 2: Server Side Installation**

1. Log into the server using an RDC as Administrator or an equivalent account.
2. Download and save “SigPlus.exe”: [www.topazsystems.com/Software/sigplus.exe](http://www.topazsystems.com/Software/sigplus.exe).

- OPTION 1: Server 2003** - Go into “Add/Remove Programs” → “Add New Programs”. Click “Browse”, and navigate to the “SigPlus.exe”. Run the install through the “Add/Remove Programs” wizard here. Choose your tablet model during install and the COM1 connection type.

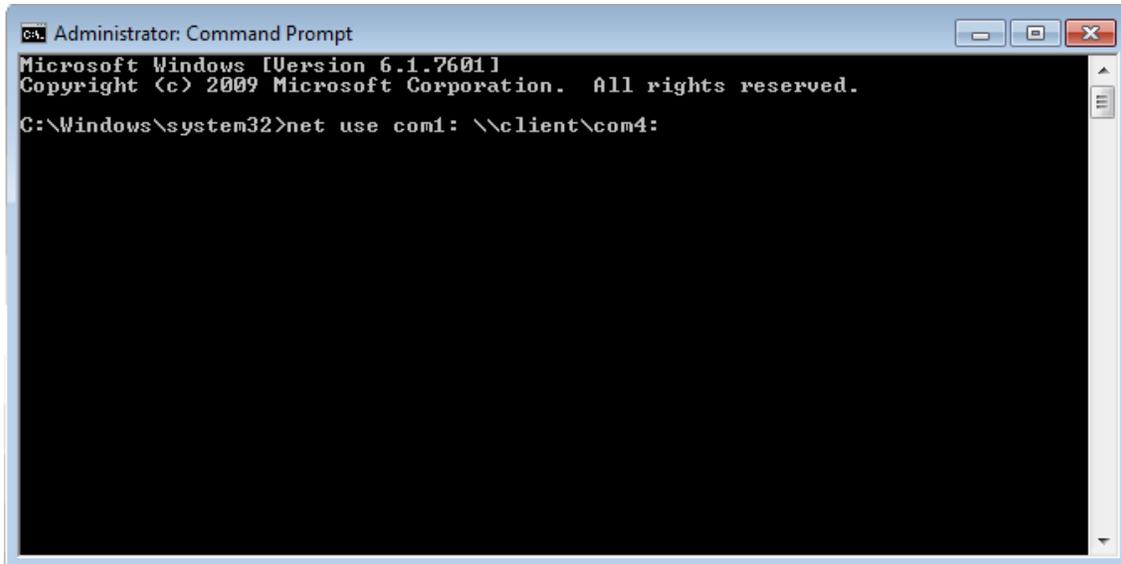
**OPTION 2: Server 2008 and 2012** - From a CMD line, type “Change user /install” to enter “Install mode”.

Install “SigPlus.exe”. Choose your tablet model during install and the COM1 connection type. After installing, from CMD line, type “Change user /execute” or restart server to place server back into “Execute mode” before using the application.

- Copy the “SigPlus.ini” from C:\Windows on the server and place it into the root of C:\ on the server. Then rename it to “SigPlusRoot.ini”.

**If you are using XenApp 7 or newer, skip Step 5 below and continue with Step 6. If you using XenApp 6.5 or older, finish with Step 5 below (do not follow Steps 6-9).**

- To map the serial port on the server to the client, run “Net Use” in a command prompt or BAT file on the server. For example, the following Net Use call would map COM1 on the server to COM4 on the client:



```

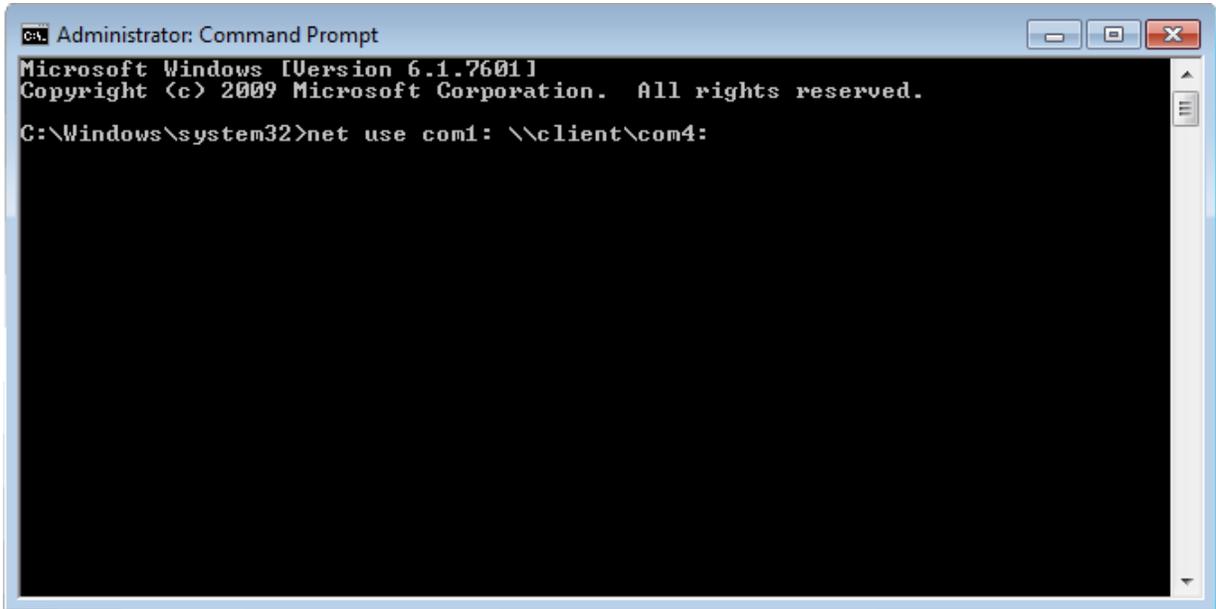
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>net use com1: \\client\com4:
  
```

- Log into XenApp 7.x. Open the RegEdit and add a key, “Deprecated”, under HKLM\Software\Citrix\GroupPolicy\Defaults, if the key does not exist.
- At the Deprecated key, add a REG\_DWORD value “AllowComPortRedirection” and set it to 1.

8. Publish the Windows command line in XenApp. Reboot the system to enable COM Port Redirection Policy.
9. Log into Citrix XenApp; then, launch the command line program. To map the serial port on the server to the client, run “Net Use” in this command line.

For example, the following Net Use call would map COM1 on the server to COM4 on the client:



```

C:\> Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>net use com1: \\client\com4:
  
```

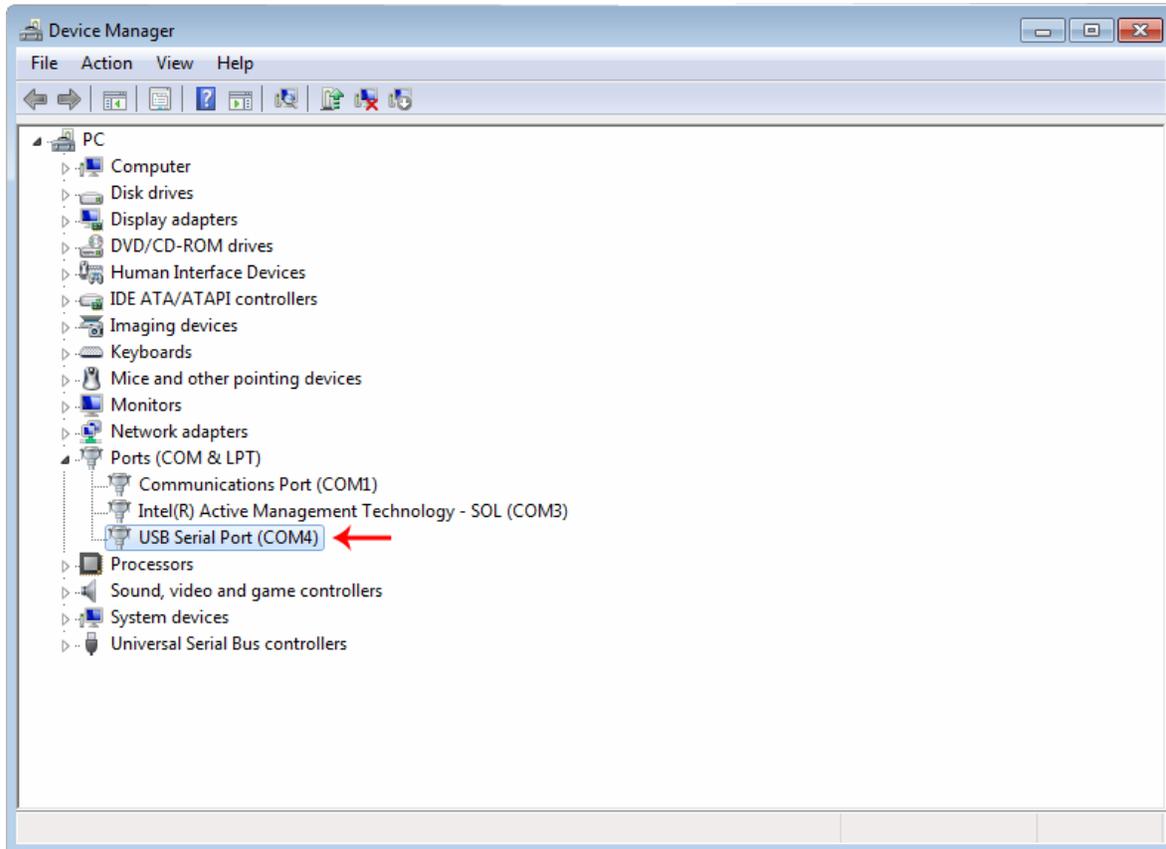
### For Use With a Remote Desktop Connection

#### *Part 1: Client Side Installation*

1. Download and save the “SigPlus BSB pad installer” to your local client computer/terminal: [www.topazsystems.com/software/sigplusbsb.exe](http://www.topazsystems.com/software/sigplusbsb.exe).
2. Right-click the “sigplusbsb.exe” and choose “Run as Administrator”.
3. Follow the installer through, choosing the appropriate tablet model during install.
4. Click “Start”, right-click on “Computer”, and choose “Properties”. Click “Device Manager” from the menu.

- Expand the “Ports” section and locate the “USB Serial Port” entry, as shown below.

*Note what COM port was assigned to this device. This value will be required later in setup. In the example below, this is COM4.*



### **Part 2: Server Side Installation**

- Log into the server using an RDC as Administrator or an equivalent account.
- Download and save “SigPlus.exe”:  
[www.topazsystems.com/Software/sigplus.exe](http://www.topazsystems.com/Software/sigplus.exe).

- OPTION 1: Server 2003** - Go into “Add/Remove Programs” → “Add New Programs”. Click “Browse”, and navigate to the SigPlus.exe. Run the install through the “Add/Remove Programs” wizard here. Choose your tablet model during install and the COM1 connection type.

**OPTION 2: Server 2008 and 2012** - From a CMD line, type “Change user /install” to enter “Install mode”.

Install “SigPlus.exe”. Choose your tablet model during install and the COM1 connection type. After installing, from CMD line, type “Change user /execute” or restart server to place server back into “Execute mode” before using the application.

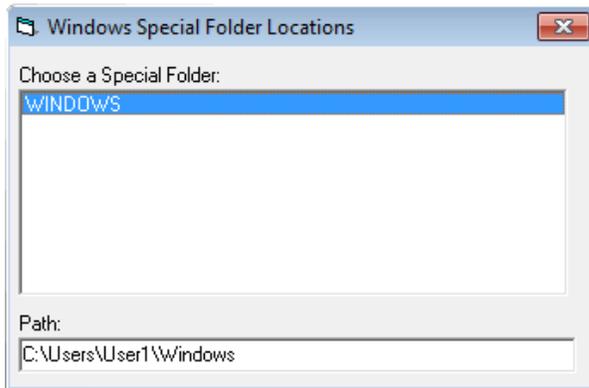
**Part 3: Setting Up Remote Desktop for Serial Port Redirection**

- Click “Start” → “All Programs” → “Accessories” → “Remote Desktop Connection”.
- The “Remote Desktop Connection” window opens. Click “Options” in the corner.
- Click the “Local Resources” tab at the top of the window. Then, click “More...” in the “Local devices and resources” section of the window.
- Click “Ports” to check the box, as seen here. Then, click “OK”. “Ports” needs to be checked when you log into a session for the signature pad to work in the session.



**Part 4: Setting Up Signature Capture for Each User**

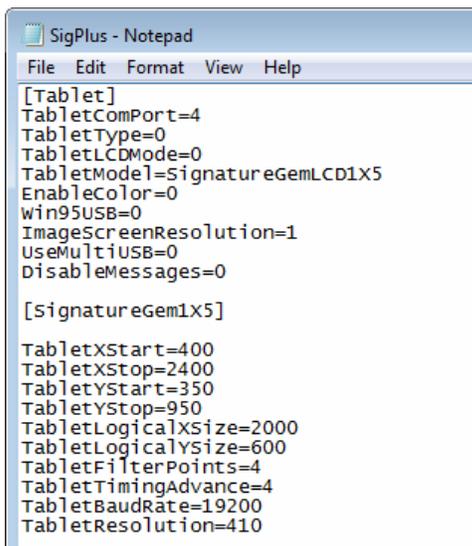
1. Log into an RDC session, and download and save the winloc.exe utility:  
[www.topazsystems.com/Software/winloc.exe](http://www.topazsystems.com/Software/winloc.exe)
2. Double-click the “winloc.exe” to run it.
3. Click on “WINDOWS” from the list and note the “Path” reported.  
*Note: In the example, the Path is C:\Users\User1\Windows.*



4. Copy the “SigPlus.ini” file from C:\Windows and paste it into the path reported by “winloc.exe”.

*Given our example above, we will be pasting the SigPlus.ini file into C:\Users\User1\Windows.*

5. Double-click this new “SigPlus.ini” file to open it, as seen here.



6. Change the “TabletComPort” assignment to the COM port you noted from step 5 on page 5. In the example here, our TabletComPort = 4.
7. Once done, click “File” → “Save”.
8. You will need to repeat this process for each user that has a signature pad. Be sure to log in as the particular user you wish to set up each time.

### **Testing Your BSB Signature Pad**

1. Before testing your application, you should test with “DemoOCX.exe”. This can be found in C:\Windows\SigPlus on the server. Open “DemoOCX.exe”, click “Start”, and sign on your pad. You should see your writing in the demo window.