Installation and Configuration Instructions for Avaya Universal Service Download Adapter

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The Universal Service Download Adapter is also referred to as the "Service Adapter" or "Download Adapter" in this document.

Currently, this adapter is only used with the SBM24 or BM12.

NOTE: These drivers are maintained by Texas Instruments and Steps 1-4 may change depending on changes made by TI. Currently, these instructions are the same for both Windows XP and Windows 7.

1. Obtain the TUSB3410 driver (TI WDF USBUART Single Driver) from http://www.ti.com/product/tusb3410#toolssoftware. The current driver is "TI WDF USBUART Single Driver (Rev. A)" and the filename after download is sllc428a.zip.

2. Unzip sllc428a.zip and double-click the "TI_WDF_USBUART_SINGLE_DRIVER_V6.7.2.0_WHQL.exe" file.

   This will extract the installation files to "C:\Program Files (x86)\Texas Instruments Inc\TI_WDF_USBUART_SINGLE_DRIVER_V6.7.2.0_WHQL"

3. Open "C:\Program Files (x86)\Texas Instruments Inc\TI_WDF_USBUART_SINGLE_DRIVER_V6.7.2.0_WHQL" and execute "Setup.exe"

   This step installs the driver to your system.

4. Restart your computer to ensure driver is properly registered in Windows. (There is no support for Linux or Apple OS.)

5. Attach **a button module** to **Avaya Universal Service Adapter** using the specially keyed button module cable that was included with the Adapter.

6. Attach one end of the USB cable to the Service Adapter and the other end to a PC/Laptop as shown in Figures 1 & 2 below.

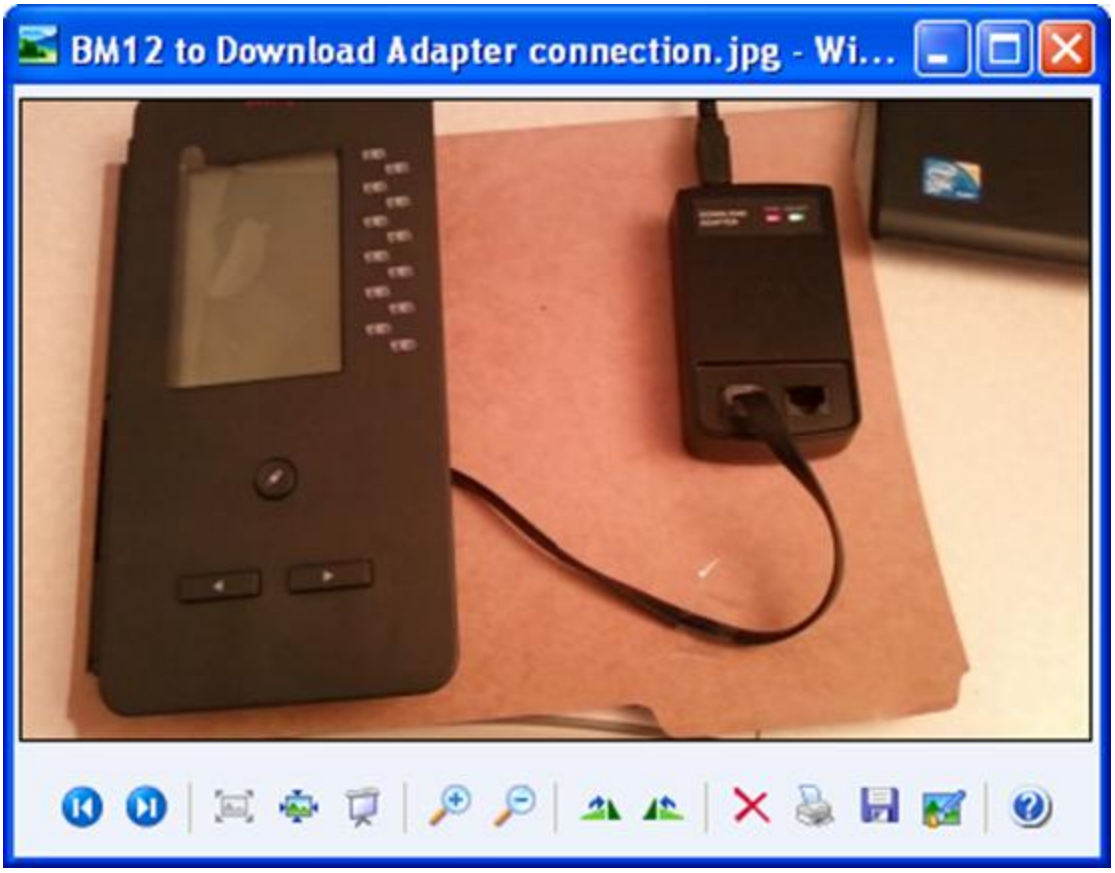

Figure 1 – TOP VIEW: BM12 Attached to Download Adapter

Figure 2 – BOTTOM VIEW: BM12 Attached to Download Adapter

7. Open Windows **Device Manager** (Control Panel→Administrative Tools→Computer Management→Device Manager) and then double-click PORTS (COM & LPT) to expand the list.

8. Verify **TUSB3410 Device** is present; see **Figure 3 – Windows Device Manager, Installed TUSB3410 Device**.

9. Note the assigned port.

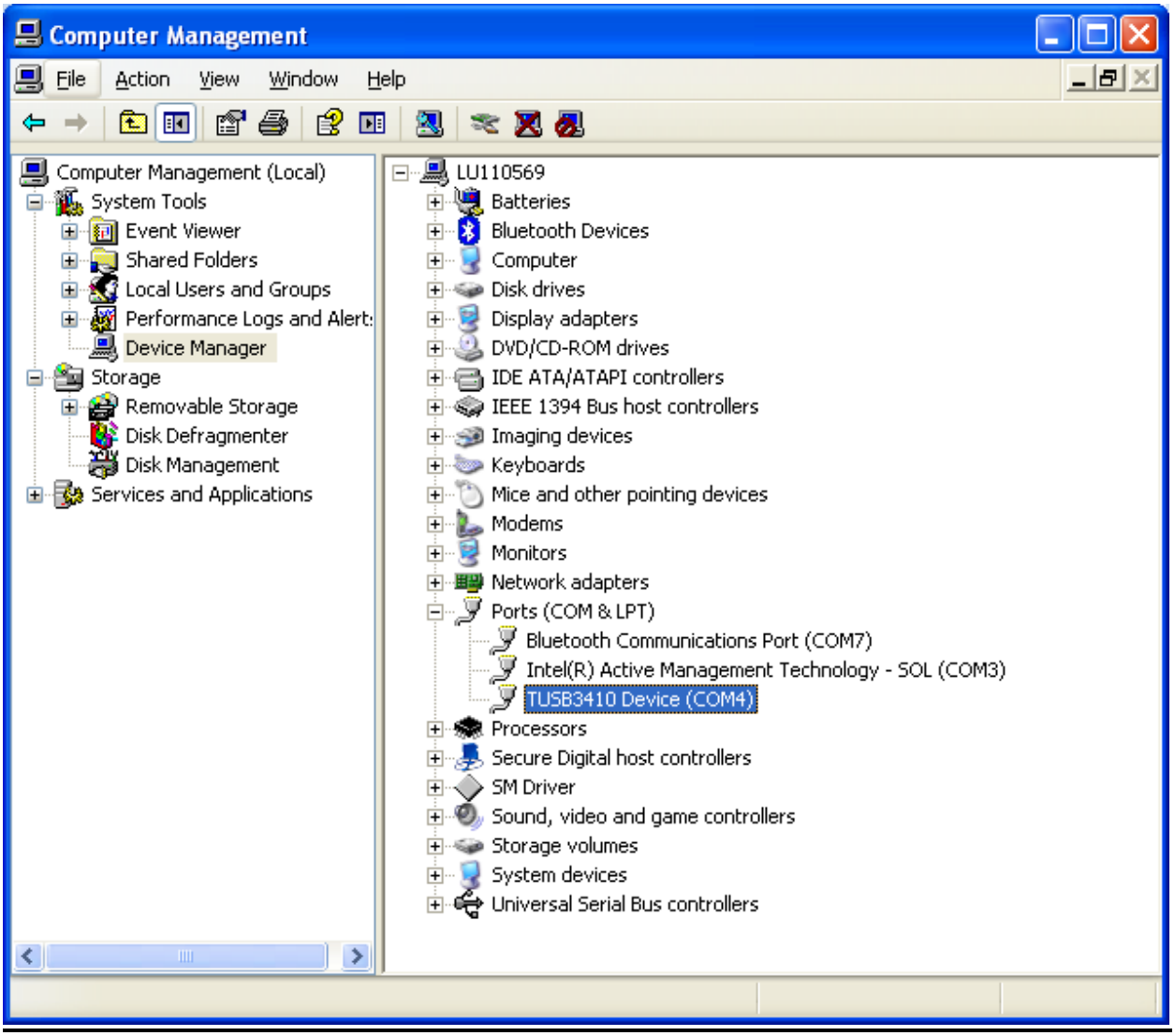

Figure 3 – Windows Device Manager, Installed TUSB3410 Device

10. Download the latest SAMDTool from http://support.avaya.com.

11. Unzip SAMDTool_v_*x_x_x*.zip (where *x_x_x* is the current version number).

12. Launch the tool "**SAMDTool_v_*x_x_x*.exe**" from the directory it was unzipped to in Step 11.

    After a brief delay, the Module Status should indicate "Module registered" with the status LED showing GREEN as see in **Figure 4 – SAMD (Spice Adapter & Module Download Status Window**.

    NOTE: The SAMD Serial Port **must** match the TUSB3410 port shown in the Device Manager window, otherwise the Module Unregistered status and/or error message dialog will occur as shown in **Figure 5 – SAMD Module Unregistered Status & ERROR Message**.

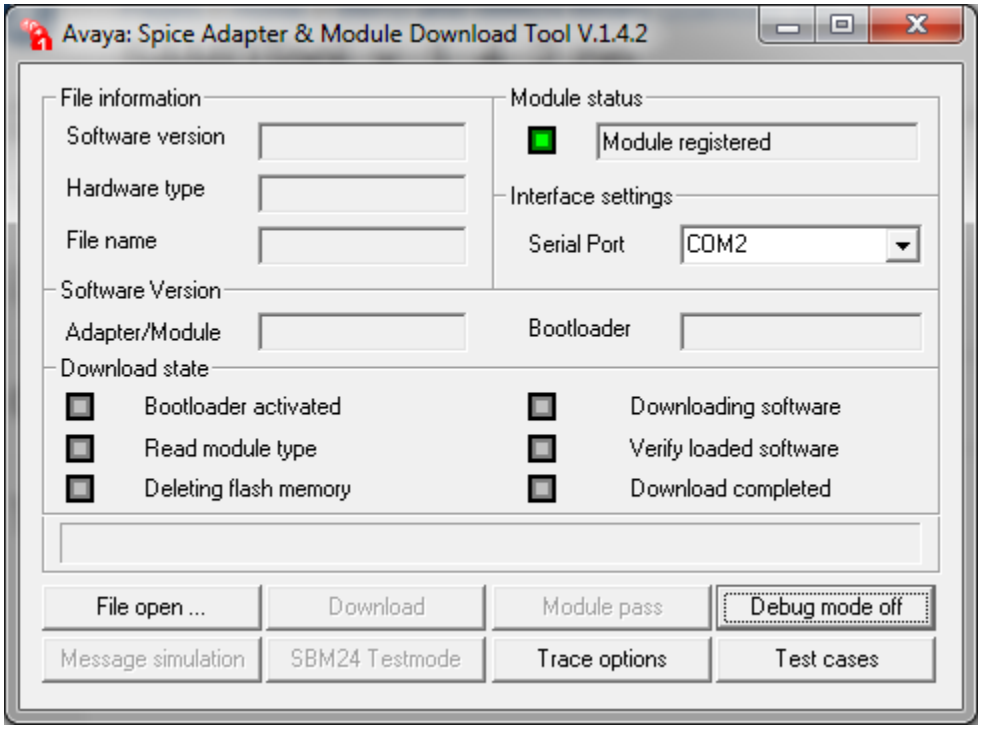

Figure 4 – SAMD (Spice Adapter & Module Download Status Window)

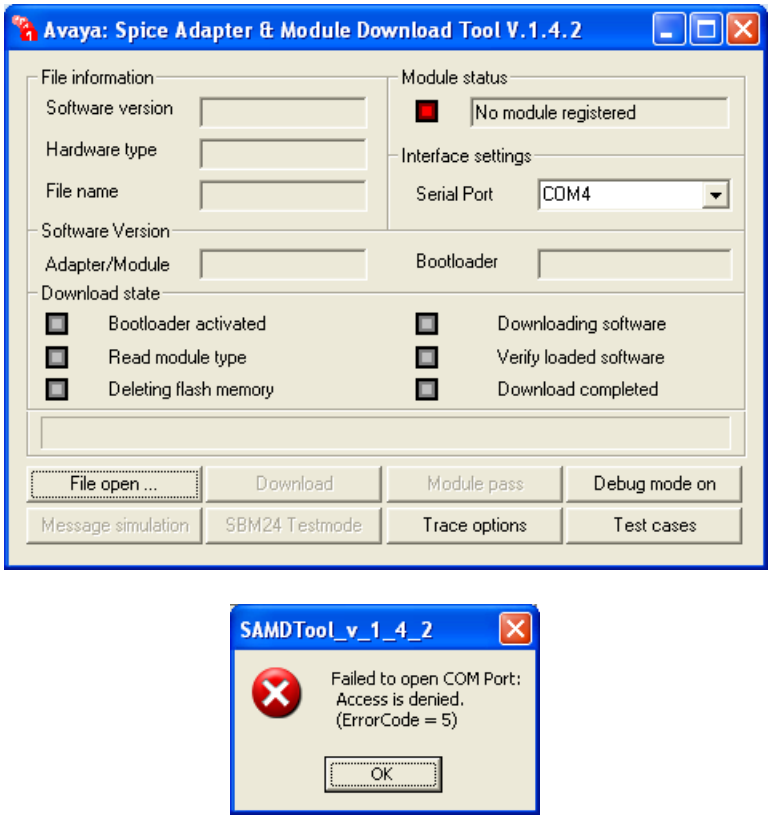

Figure 5 – SAMD Module Unregistered Status & ERROR Message

13. When Module status indicates device is "**Registered**", press "**File open**" button, browse to directory containing the file to download, e.g. "**BM12a_R1_0r4.bin**", and select the file. SAMD window should appear similar to **Figure 6 – SAMD with Button Module Upgrade FW Loaded**.

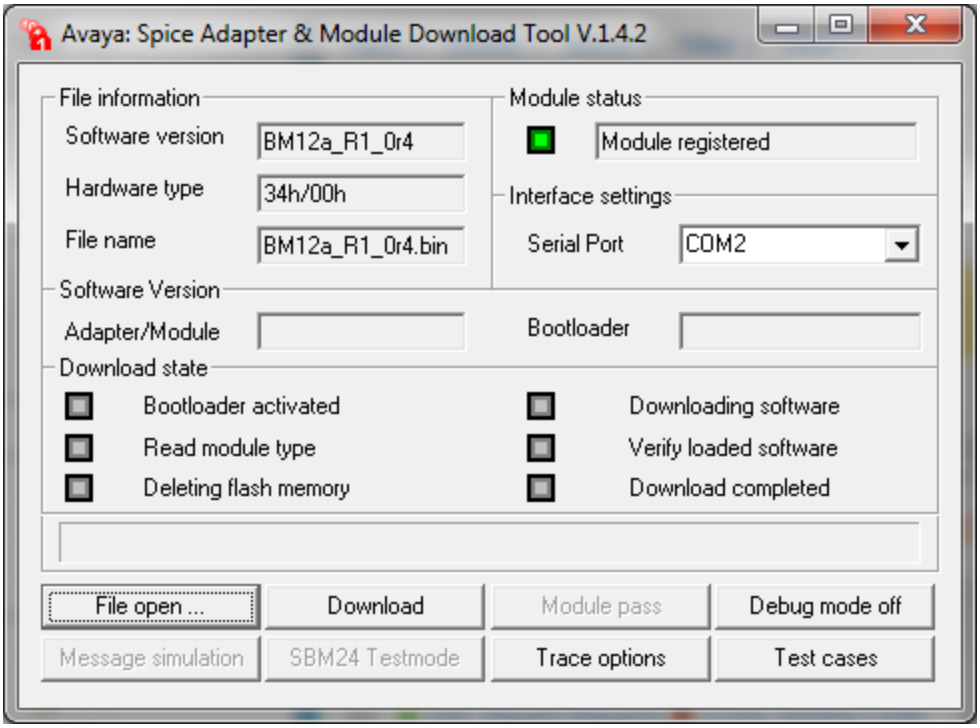

Figure 6 – SAMD with Button Module Upgrade FW Loaded

14. Press the **Download** button to initiate an upgrade of the button module. When completed, the SAMD tool indicates a successful download.

15. If upgrading additional button modules, unplug current button module and plug in a different button module and wait for the GREEN status LED to appear. Repeat step 9 as required.