Honeywell

HSM USB Serial Driver - Debug Logging

In order to get the debug log data from the HSM USB Serial Driver perform the following steps:

I. Set the HSM USB Serial Driver Debug Level

Manually edit the registry as indicated below.

Note: Before you edit the registry, export the keys in the registry that you plan to edit, or back up the whole registry. This steps modifies the registry keys under the HKEY_LOCAL_MACHINE subtree. By default, only administrators can create keys under this subtree. Make sure that you are logged on as an administrator to successfully create\edit these registry keys.

1. Set the "HKLM\SYSTEM\CurrentControlSet\Services\Honeywell_CDC\Parameters\DebugLevel" value to 4.

2. Set the "HKLM\SYSTEM\CurrentControlSet\Services\Honeywell_Enum\Parameters\DebugLevel" value to 4.

II. Download, Install and Configure Windows® SysInternals DebugView

1. DebugView is an application that lets you monitor debug output on your local system or any computer on the network that you can reach via TCP/IP. It is capable of displaying both kernel-mode and Win32 debug output, so you don't need a debugger to catch the debug output your applications or device drivers generate, nor do you need to modify your applications or drivers to use non-standard debug output APIs. Install and run the Windows SysInternals DebugView utility (see http://technet.microsoft.com/en-us/sysinternals/bb896647.aspx).
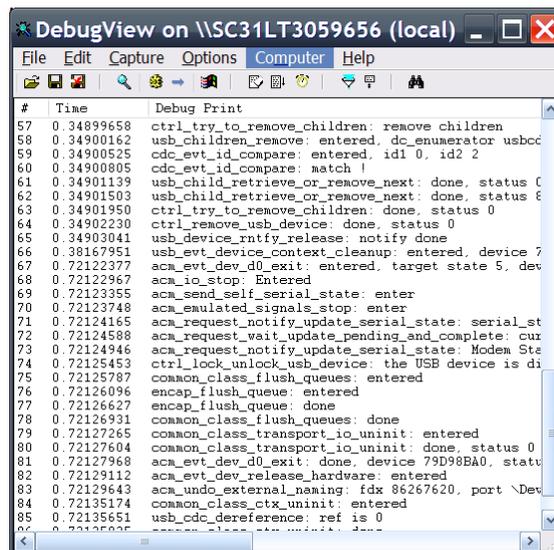
Figure 1 – Windows SysInternals DebugView

2. From the **Computer** menu, select **Connect Local**.

3. From the **Capture** menu, verify that all options except **Log Boot** are selected.

4. From the **Options** menu, verify that **WIN32 PIDs** option is selected.

III. Start logging

1. Unplug the device and disable the **Honeywell Control Device** if it is in use. This can be done using Device Manager, under the **USB Serial Bus Controller** node, select **Honeywell Control Device**, right click and select disable.
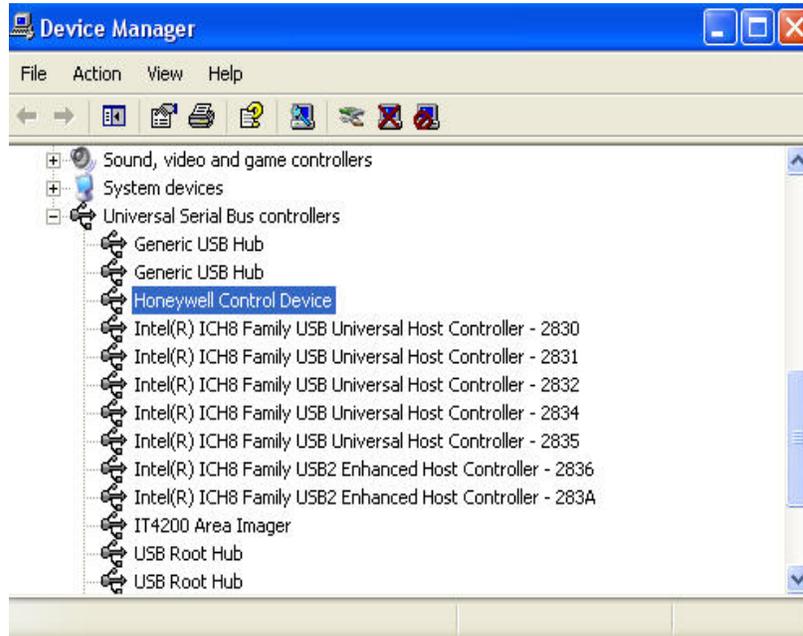
Figure 2 – **Honeywell Control Device** under Device Manager

2. Start the DbgView capture by selecting **Capture Events** under the **Capture** menu.

3. Re-enable **Honeywell Control Device** via Device Manager and re-plug the device.

4. Reproduce the problem.

5. Stop the DbgView capture by deselecting **Capture Events** under the **Capture** menu.

6. Save the DbgView log by selecting **Save As** under the **File** menu.