

Poulsbo USB Client Software For Embedded Menlow Gold Driver Release Notes

July 11, 2008

Revision History

Date	Driver	Description
November 19 th , 2007	Alpha	Alpha drop of the Poulsbo USB Client driver for XP and XPe
July 11, 2008	Gold	Gold drop of the Poulsbo USB Client driver for XP and XPe

Poulsbo USB Client Software

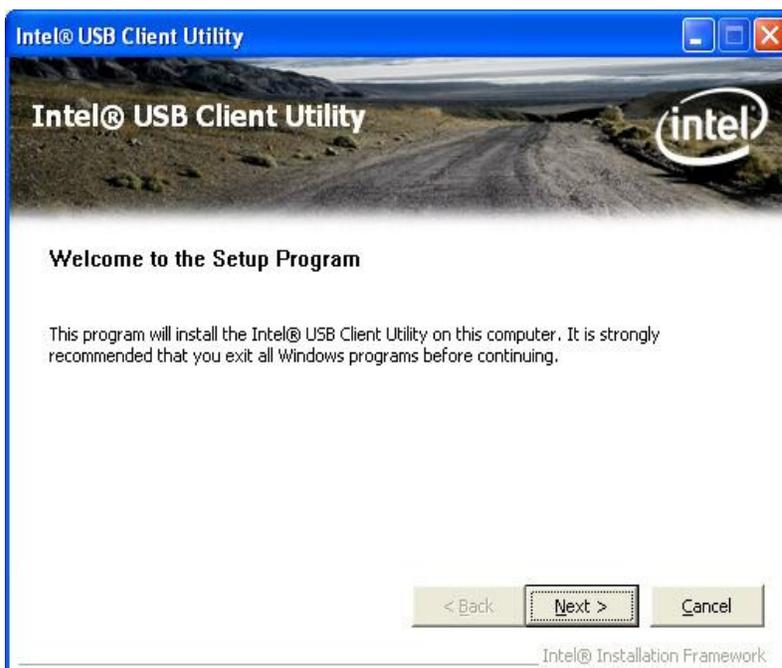
The Poulsbo USB Client Software supports the Poulsbo Chipset for Windows XP and XPe

Installation Instructions XP Pro

Install XP Pro with SP2 operating system on the Poulsbo system.

USB Client Software Installation

1. Get the zipped release file. Unzip it.
2. Double click on setup.exe and the following Client utility is seen. Click 'Next'



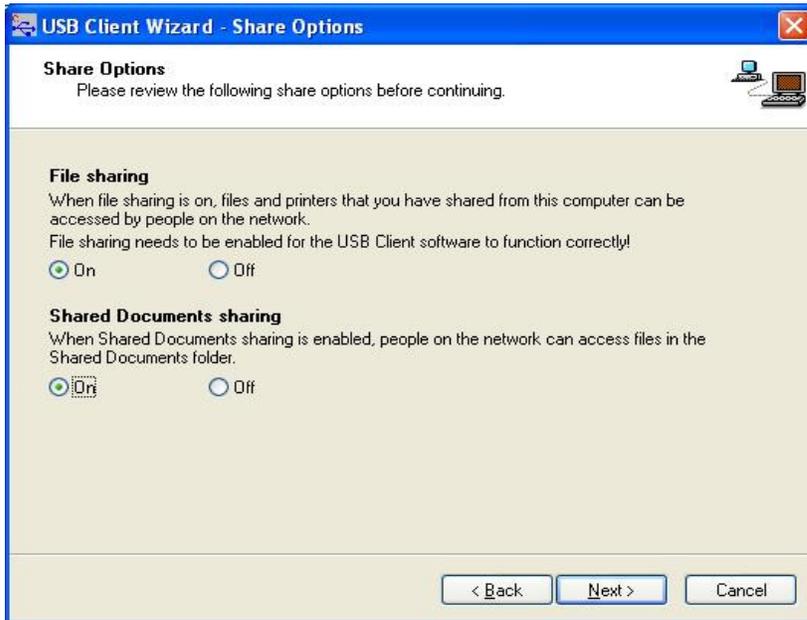
3. When the installation is in progress, click 'OK' or 'Continue' for any warning message (usually related to windows logo certification) that appears
4. Once the setup is complete. Click 'Finish'



5. A pop up USB Client Wizard screen appears immediately after installation is complete as follows. Click 'Next'

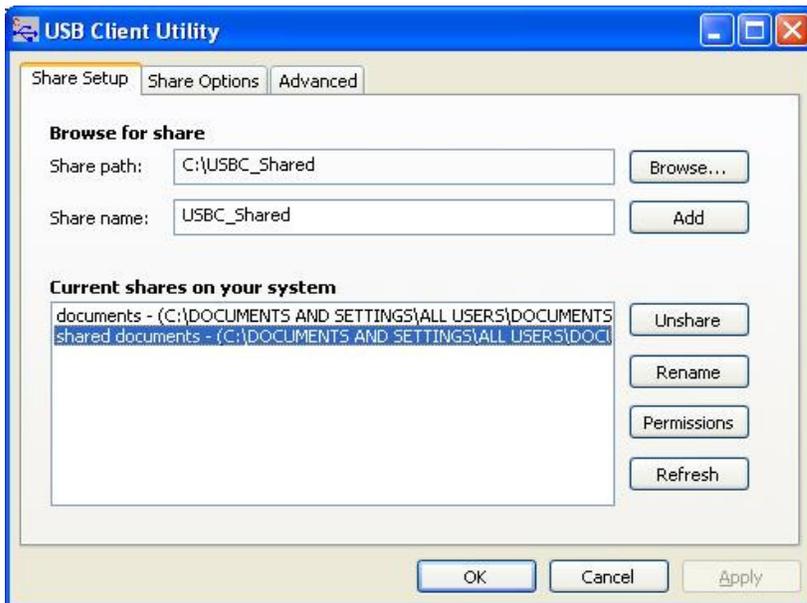


6. Select the share options as per the need. In the below mentioned screen, for example, both 'File sharing' as well as 'shared Documents sharing' has been enabled (selected 'On')

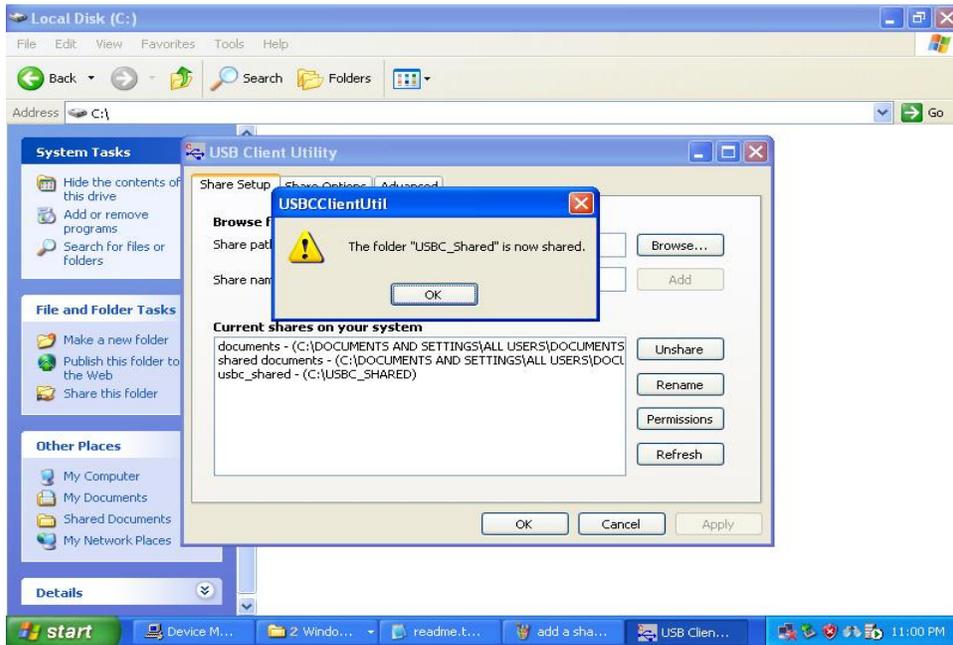


Click 'Next'

7. Select the drive/folder which has to be shared by clicking 'Browse'. For example, in the below mentioned figure, C:\USBC_Shared folder is the one that has to be shared. Then, click 'Add'

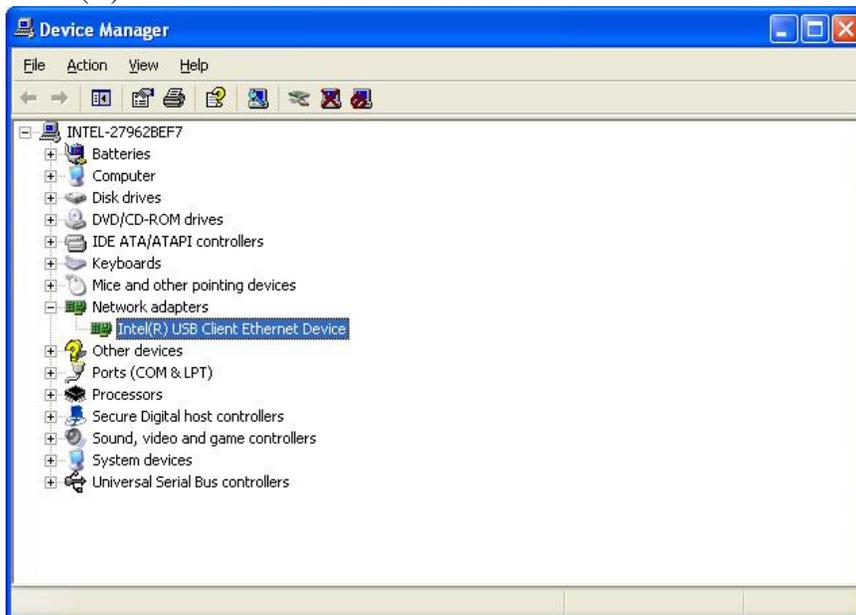


The following message appears indicating that the sharing was successful



Verifying USB Client controller installation and drive/folder sharing

1. Right click on 'My Computer', select 'Manage', then click on 'Device Manager'. In 'Device Manager', click on 'Network adapters' and Intel USB Client controller should show up as "Intel(R) USB Client Ethernet Device" as seen below

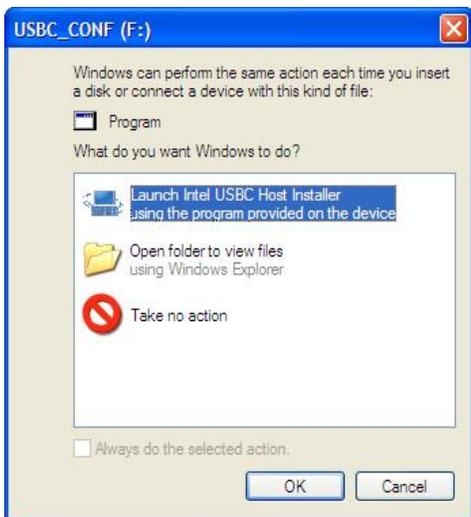


2. To verify whether sharing was successful or not, right click on the particular shared folder/drive ('C:\USBC_Shared' in this example), click on 'Properties', select 'Sharing' Tab. 'Share this folder on the network' and 'Allow Network users to change my files' should appear *checked* as shown below



Setup for Host System

1. Plug in the USB cable (5 pin Mini-B) between client and host PC's.
2. Wait for Autoplay. Use the 'Launch Intel® USBC Host Installer' option in the AutoPlay dialog box (as shown below) to install the Host software. If AutoPlay has been disabled, manually launch Install.exe



3. Host installation utility appears as follows, click 'Next'



Check 'Install the utility' and click 'Next'



If the 'Found New hardware Wizard' appears, check 'Yes, this time only', click 'Next' (shown below)

In some cases, the window below may not appear and it will install immediately



Check 'Install the software automatically (Recommended)' and click 'Next'



Once the necessary files are copied and setup is complete, a screen similar to the following appears.

You may see some warning messages – click “OK” or “Continue” and move forward.

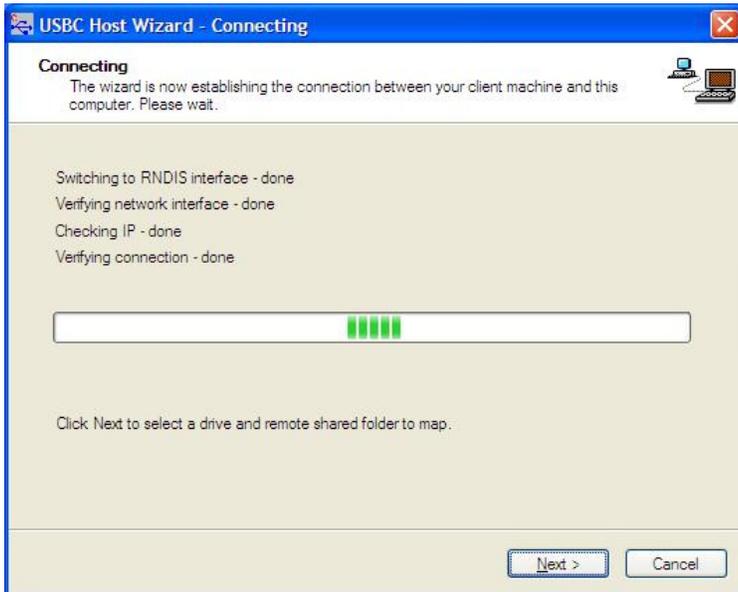


Click 'Finish'

4. A USBC host Wizard appears as follows after installation is completed



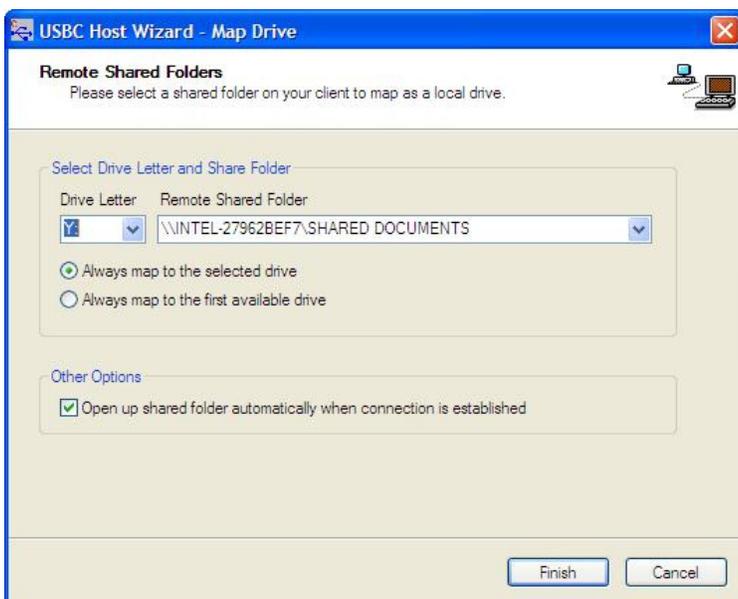
Next, 'Connecting..' wizard appears, which automatically checks for IP and does the actual connection to the client



Then the wizard searches for any shared folders/drives in the Client system, as shown below

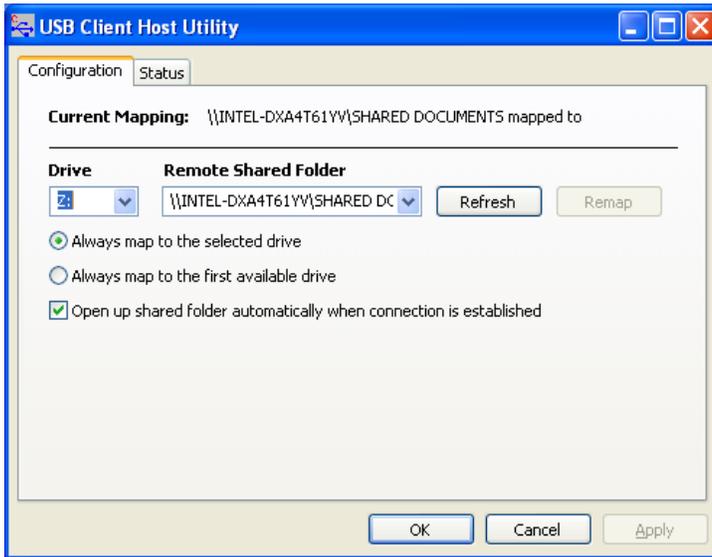


Finally, the following screen is presented which details all the shared folders and the default drive letter to which it has to be mapped. In the example below, 'Shared Documents' will be mapped to Drive 'Y:'



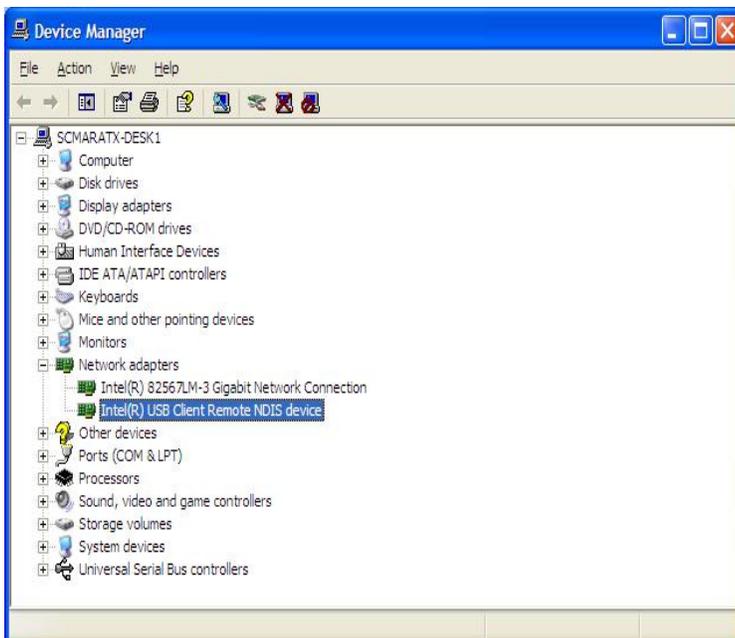
Click 'Finish'

5. Once installed, the shared drives will automatically be remapped (after a PC reboot, say) and/or can be done manually by double-clicking the USB Client Host Utility icon which shows a screen similar to this. Options to 'Refresh' the connection, 'Remap' the drives (if mapped earlier) appears as shown.



Verifying USB Host utility installation

1. Right click on 'My Computer', select 'Manage', then click on 'Device Manager'. In 'Device Manager', click on 'Network adapters' and Intel USBC Host utility should show up as "Intel(R) USB Client Remote NDIS device" as displayed below



Installation Instructions XP Embedded

USB Client Software Installation

Microsoft Target Designer:

1. You need to have a User Account Component with User Type set to Administrator

First User Log On:

1. The first user log on needs to be done with the user account that has Administrator privileges
2. Select USBC Client Utility Shortcut on the Desktop and follow the instructions.

Setup for Host System

Use the Launch Intel® USBC Host Installer option in the AutoPlay dialog box when you connect the USB cable to install the Host software. If AutoPlay has been disabled, manually launch Install.exe

Uninstall Instructions

Please use the "Add/Remove Programs" to un-install the software. Do not use the device manager to un-install under normal circumstances. This will leave application components behind on the system

Known Issues for the Gold USB-Client Driver

Below are some of the issues that may occur intermittently

Title	USBC Remapped to a host: Remapping may intermittently fail.
Reference	
Description	When the USBC has been previously mapped to a host, mapping to a second host can result in connection issues. Also, continued remapping to the same host may occasionally result in a loss of connection.
Implication	Temporary loss of connection may occur.
Resolution/Workaround	<ol style="list-style-type: none">1. Sever and restore the cable connection. Wait for remap.2. Attempt to refresh or remap the folder using the host utility.3. Double click the previously mapped folder in "My Computer" (if the folder has been previously mapped to this host).
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS

Title	Switching Client from RNDIS-only mode back to Mass Storage Device mode: remapping may intermittently fail.
Background	Host drivers can only be installed over a host-client connection when the client is in Mass Storage Device mode. Initial mapping is assumed to be done while the client driver is in Mass Storage Device mode. Normally the driver starts in Mass Storage Device mode, then automatically switches to RNDIS mode.
Description	When the USBC has been previously mapped to this host, and the client is changed to "RNDIS only" mode, changing back to "Mass Storage Device" mode can result in a failed connection.
Implication	Temporary loss of connection may occur.

Resolution/Workaround	<ol style="list-style-type: none"> 1. Sever and restore the cable connection. Wait for remap. 2. Attempt to refresh or remap the folder using the host utility. 3. Double click the previously mapped folder in "My Computer" (if the folder has been previously mapped to this host).
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS

Title	"Force to Use USB Full speed = Enabled" option results in no connectivity.
Reference	
Description	"Force to Use USB Full speed" option must be set at "Disabled" in order to achieve host-client connectivity.
Implication	No connection will occur
Resolution/Workaround	Do not set the value to enabled for the property "Force to Use USB Full speed" in the Intel USB Client Ethernet Device Properties.
Affected OS	Host: WinXP, WinVista; Client: WinXP, WinXPe, WEPOS

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