### **USB Driver Update Tutorial**

This tutorial provides instructions on upgrading a legacy B1285 ProTalk Link to communicate over USB on an x64 Windows system.

After installing the ProTalk Link USB Drivers from the Product CD or downloaded Web Installer, you may see the following device listed in Device Manager:

🚔 Device Manager	7 <u>~~</u>	×
File Action View Help		
V 🚔 BE_LAB02		^
> 📫 Audio inputs and outputs		
> 💻 Computer		
> 👝 Disk drives		
> 🜌 Display adapters		
> 🔐 DVD/CD-ROM drives		
> 🕼 Human Interface Devices		
> 🥁 IDE ATA/ATAPI controllers		
> 🐻 Imaging devices		
> 📖 Keyboards		
> 👌 Mice and other pointing devices		
> 🥅 Monitors		
> 🌆 Multifunction adapters		
> 🚍 Network adapters		
🗸 🜆 Other devices		
📴 Barnett Engineering B1285 ProTalk Link		
> 🚏 Ports (COM & LPT)		
> 📇 Print queues		
> 📇 Printers		
> 🔲 Processors		
> 🚺 Software devices		
> 🐳 Sound, video and game controllers		
> 🔆 Storage controllers		
> 🛄 System devices		
> 🥛 Universal Serial Bus controllers		
🔨 💼 WSD Print Provider		¥

Under Other Devices, notice Barnett Engineering B1285 ProTalk Link. This device signature indicates that the USB ID is not digitally signed and therefore no device driver can be installed. You will need access to a 32 bit Windows machine to perform the USB upgrade ie. Windows XP or a 32-bit Windows 7 PC.



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On your 32-bit Windows machine, you will need to manually install the USB driver for your device. To do so, first install the ProTalk Link software on your system and the 32-bit USB driver shown on the menu below:

😇 Barnett Engineering Ltd B1285 ProTalk Link Web Installer				
BEBARNETT ENGINEERING LTD.				
B1285 ProTalk Link Software Installation				
	Install ProTalk Link Software	Installation Steps:		
-		1. Install the B1285 ProTalk Link Software		
	Install 32-bit USB Drivers	2. Select and install the appropriate USB driver		
	Install 64-bit USB Drivers			
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After installing the software and the 32-bit driver, open My Computer and navigate to C:\Program Files\Barnett Engineering Ltd\B1285 LINK\USB\_Install\Old\_XP\_2k3\_Vista\_7 and run DriverInstaller.exe



Press Install.



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You may see the following warning: The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP...

Press Continue Anyway. You will then see a Success window. Press OK to continue.

This driver needs to be installed twice. From the following window, select No, not this time and press Next



Select Install from a list or specific location (Advanced) and press Next

Browse to the location -> C:\Program Files\Barnett Engineering Ltd\B1285 LINK\USB\_Install\Old\_XP\_2k3\_Vista\_7

Found New Hardware Wizard			
Please choose your search and installation options.			
Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.			
Search removable media (floppy, CD-RDM)   ✓ Include this location in the search:      Browse			
Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.			
<back next=""> Cancel</back>			

#### Press OK to continue



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Press **Finish** to complete the installation. You should receive a message that your hardware was installed correctly and is ready to use.



Now that the USB device is installed and ready to use, we need to upgrade the Device ID to be compatible with x64 bit systems. Open the ProTalk Link Database Editor. You should see the following message:



Press Update Now.

If you do not see this message, select File -> USB Update

Select Yes to enable USB Information.

USB Device	: Update
i	The USB device in the LINK will be updated.
	OK Cancel

Press **OK** to start the update.



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Once the update finishes, verify in Device Manager that the following appears:



Instead of displaying as a Barnett Engineering B1285 Link, the device will now show up as a Silicon Labs CP210x USB to UART Bridge with a COM assigned to it.

Your device will now be ready to use on all Windows systems.

