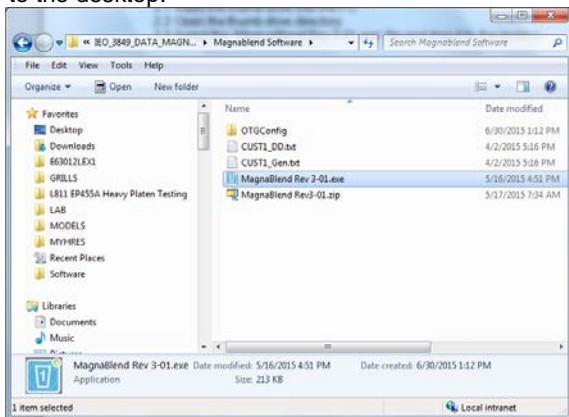


1.0 Intent

This document outlines the required steps necessary to connect a MagnaBlend unit to a PC with the MagnaBlend Recipe Generation/Calibration software. Proper communication with the "COM" port will be established for the purpose of loading, retrieving, and saving the recipe and calibration values.

2.0 Installing the MagnaBlend Application to the PC

- 2.1 Insert the thumb drive into the PC.
- 2.2 Open the thumb drive directory.
- 2.3 Select the **(MagnaBlend executive file)** and drag it to the desktop.



- 2.4 You should be able to double click the icon on the desktop and start the MagnaBlend application.

3.0 Establishing Communications with the MagnaBlend unit

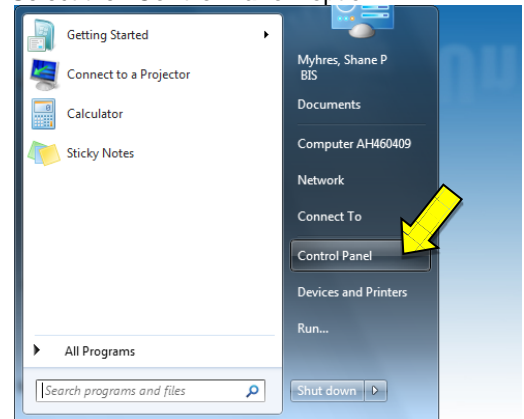
3.1 Connecting the MagnaBlend Unit

- 3.1.1 Start the MagnaBlend application by double clicking the MagnaBlend application on the desktop.
- 3.1.2 Plug in and turn on the power to the MagnaBlend unit.
- 3.1.3 Connect the USB cable to the PC and then to the MagnaBlend unit. Make sure you are connected to USB-B port on the MagnaBlend unit.
- 3.1.4 The PC should show that it is attempting to install the driver for the MagnaBlend unit. If the driver does install properly, a message will appear in the lower right corner of the desktop stating that the driver was not successfully installed. If this occurs proceed to Section 3.2. If the driver installs successfully skip to Section 3.3.

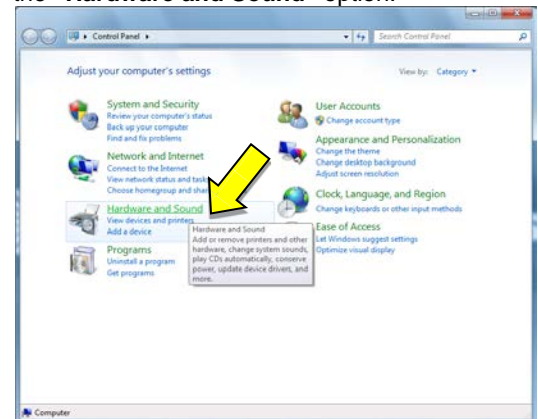


3.2 Installing the Driver

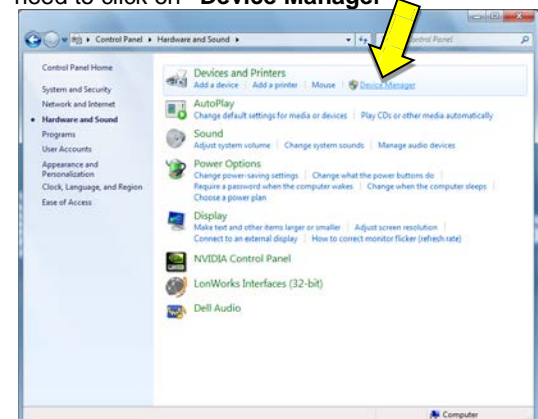
- 3.2.1 Click on the Windows icon at the lower right of your desktop. This will pop up the window shown below. Select the **"Control Panel"** option.



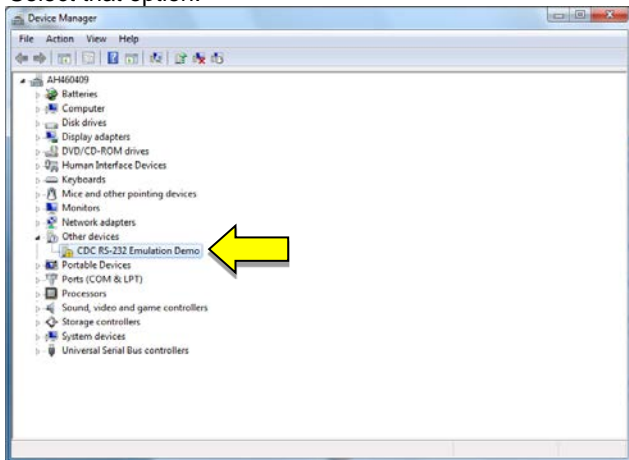
- 3.2.2 Once you have clicked on the "Control Panel" button. You will see the following window. From here click on the **"Hardware and Sound"** option.



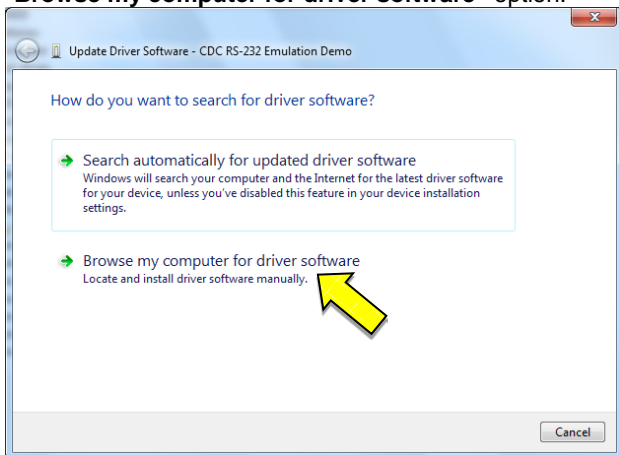
- 3.2.3 This will bring up the following screen and you will need to click on **"Device Manager"**



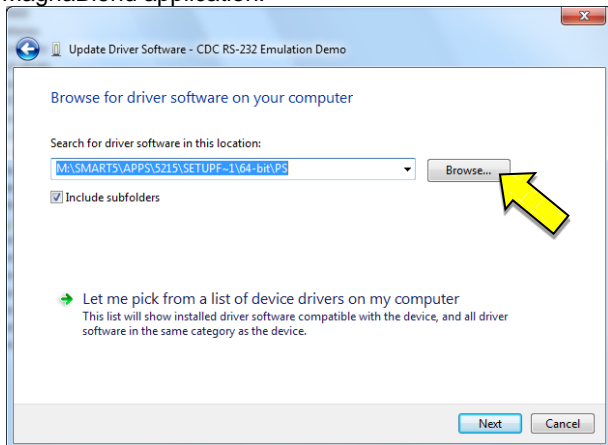
3.2.4 Once you have clicked on the “Device Manager” you will see the following screen. From here you want to right-click on the connected device for which the driver was not installed. It will appear as “CDC RS-232 Emulation Demo”. After right clicking on that item it will give you an option to “**Update Driver**”. Select that option.



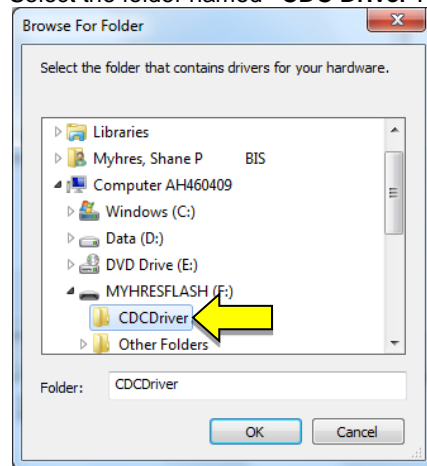
3.2.5 You will then be prompted to select one of the following options. Choose the: **“Browse my computer for driver software”** option.



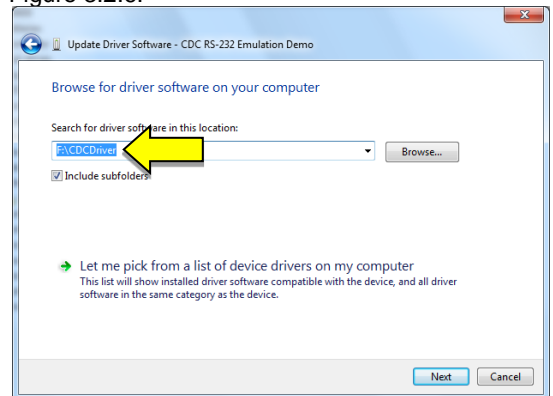
3.2.6 You will now need to click the “**Browse...**” button and navigate to the mapped drive for the thumb drive that you inserted in Section 2 of this document when installing the MagnaBlend application.



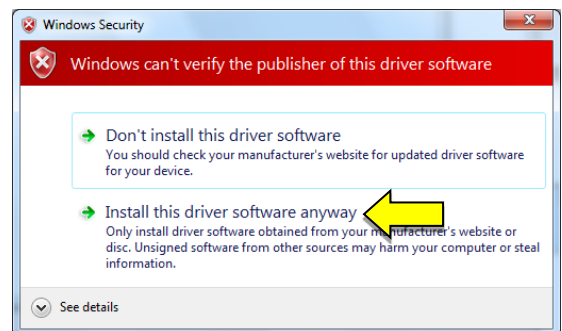
3.2.7 Select the folder named “**CDC Driver**”.



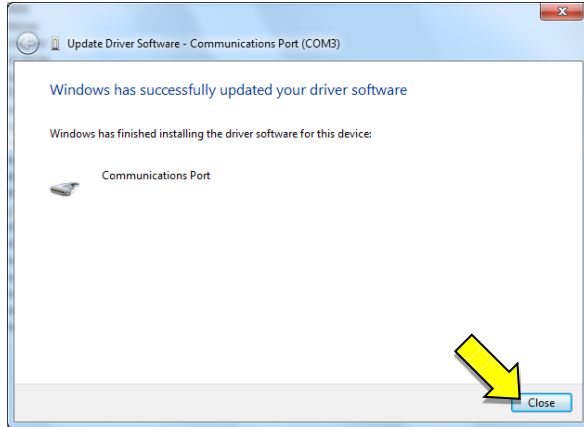
3.2.8 After selecting this folder, click “**OK**” and you will be taken back to a screen similar to the one in Figure 3.2.6.



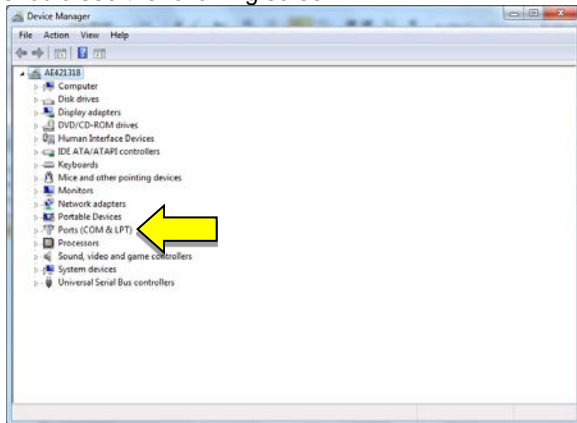
3.2.9 Verify that the path shown in the window is correct and will direct you to the folder named “CDC Driver”. Click “**Next**”. After clicking the “Next” button the following screen may appear.



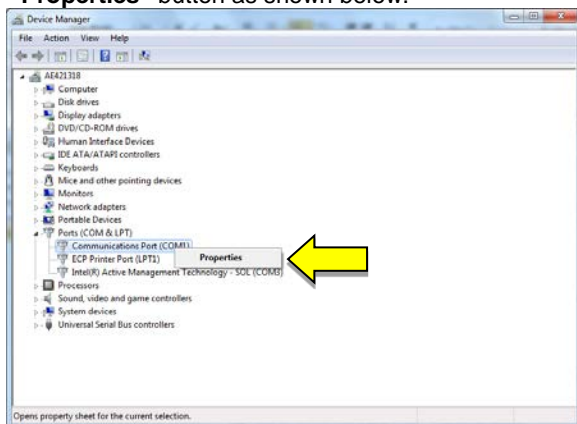
- 3.2.10** If this window appears, select the **“Install this driver software anyway”** option. After clicking this option the following screen should appear. Click on the **“Close”** button.



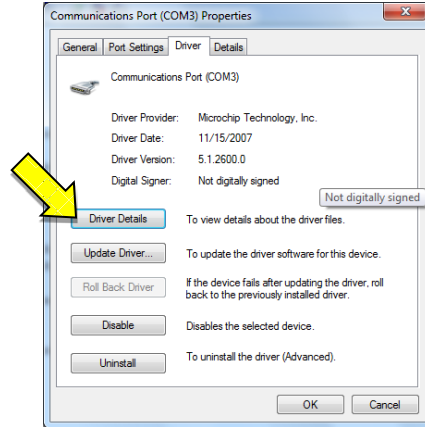
- 3.2.11** To verify that the driver installed properly, re-open the Device Manager from the Control Panel menu and you should see the following screen.



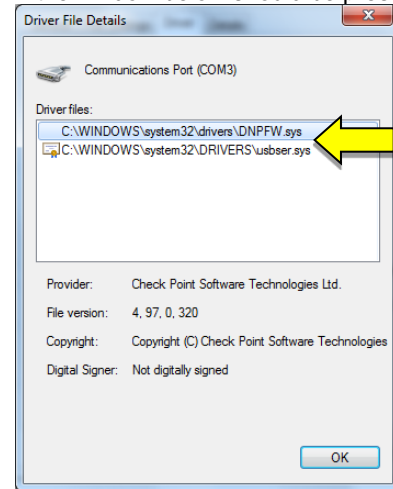
- 3.2.12** Click on the **“Ports (COM & LPT1)”** subcategory to expand it. You should no longer see the “CDC RS-232 Emulator Demo” but instead you should see an additional COM port available. Right Click on this COM port and select the **“Properties”** button as shown below.



- 3.2.13** Clicking on the **“Properties”** tab will bring up the following window. Click on the tab labeled **“Driver”**. Then select the **“Driver Details”** button.



- 3.2.14** After clicking on the **“Driver Details”** button the following window will appear. The two drivers shown in the window below should be present.



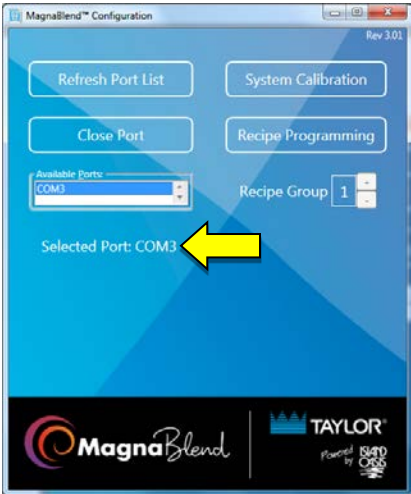
3.3 Testing the Communication Port

- 3.3.1** Close the MagnaBlend software.
- 3.3.2** Turn off the MagnaBlend unit.
- 3.3.3** Disconnect the USB cable from the MagnaBlend unit.
- 3.3.4** Start the MagnaBlend application.
- 3.3.5** Turn on the power to the MagnaBlend unit.
- 3.3.6** Re-connect the USB cable to the MagnaBlend unit's USB-B port.

3.3.7 Click on the “Refresh Port List” button on the Main Menu screen.



3.3.8 The new COM port should appear in the “Available Ports” window. Place the cursor on that port and select it. It should appear next to the “Selected Port:” test on the Main Menu screen. See Below.



3.3.9 You should now be able to communicate with the MagnaBlend unit.

4.0 Folders and Files Included on Flash Drive

Folder Name	File Name	Description
CDC Driver	mchpcdc.inf	File necessary to install driver to establish communication with COM port so that the MagnaBlend software can "talk" to the PC.
Software Files	MagnaBlend	Software files that can be loaded on a PC through the USB to create or modify recipes. Operating system: Windows 7 or 8.
Instructions	040659-INS	Instructions for loading and troubleshooting software.

5.0 Questions or Concerns

If you have any questions or concerns in regards to the operation of the MagnaBlend software, the MagnaBlend Unit – PC interface, and/or the installation of the required drivers, please feel free to contact your distributor or the Taylor Service Department.