NYVIP2 Emissions Analyzer Setup

Important: The enclosed installation steps must be performed in the order below to ensure that your NYVIP2 analyzer system functions properly. Failure to properly follow the instructions may result in analyzer down time.

Installation Steps

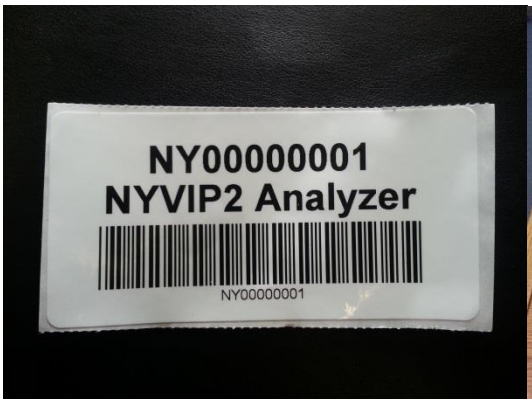
The following installation steps must be performed in the order below to ensure that your NYVIP2 analyzer system functions properly. Failure to properly follow the instructions may result in analyzer down time.

Do not connect the AC power cord to the PC until instructed to do so

During the initialization procedure of your NYVIP2 unit it is important that you inspect it for any damage that may have occurred during the shipping process. If you find any damage please report it to Systech immediately at 1-866-OBD-TEST so it can be rectified.

1. Clear/Prepare the area where you will be installing the analyzer
2. Remove all analyzer components from their packaging. In the Customer Information Packet included with the analyzer, you will find the Serial Number label (picture below on left). Remove the adhesive backing and attach the Serial Number label to the PC as shown below (picture on right). Make a note of the analyzer serial number, you will need it in Step 55.

Make sure that the serial number label does not cover the Dell service tag label pictured below.

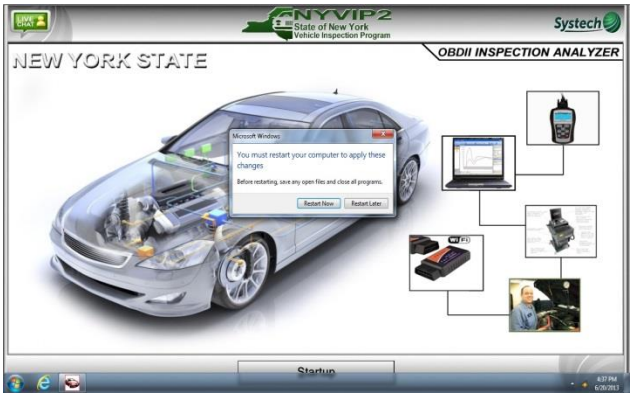


3. Place the computer in the desired location in your facility
4. Connect the monitor to the computer using the video cable per the included connection diagram (also see appendix A)

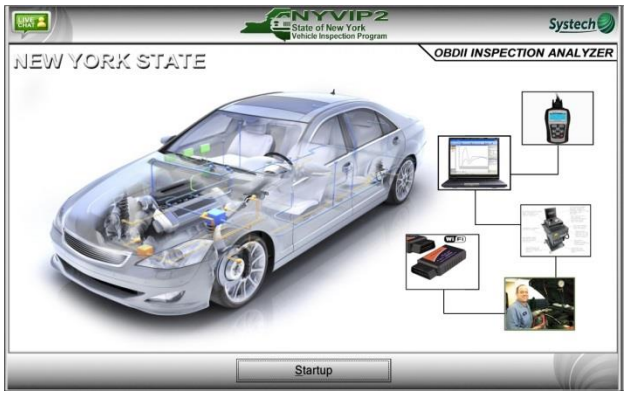
5. Connect the monitor's AC power cord to the monitor and the AC power strip
6. Plug in all components (except the PC power cord) per the included connection diagram (also see appendix A)
7. Verify that the phone line and/or network cable is correctly plugged into the PC and the connection in your facility.
8. Connect the AC power cord to the PC and the AC power strip
9. Turn the power switch on the AC power strip to the on position – the PC will start automatically
10. After the Startup screen is displayed, program the Xenon barcode scanner by scanning the barcode below.

11.

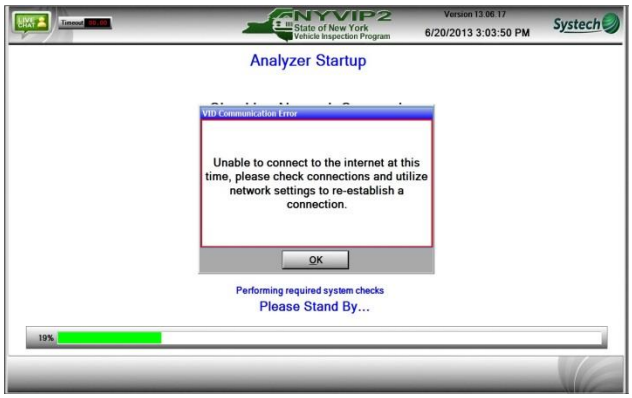
Wait at the Startup screen until the "Restart your computer" dialog box appears (see below):



12. Click on "Restart Now" – the computer will reboot
13. Once the Startup screen re-appears, click on the Startup button at the bottom of the screen or press the enter key



14. You may receive a “VID Communication Error” message on the first startup



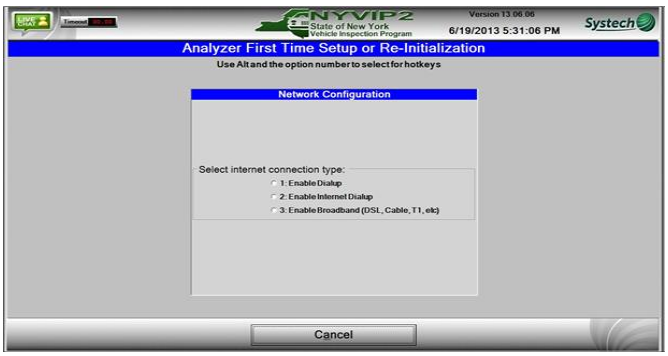
15. Click on “OK” in the VID Communication Error” message if received

For Dial-up phone or dial-up internet connection, go to step 16.

For wired broadband (internet) connection, go to step 26.

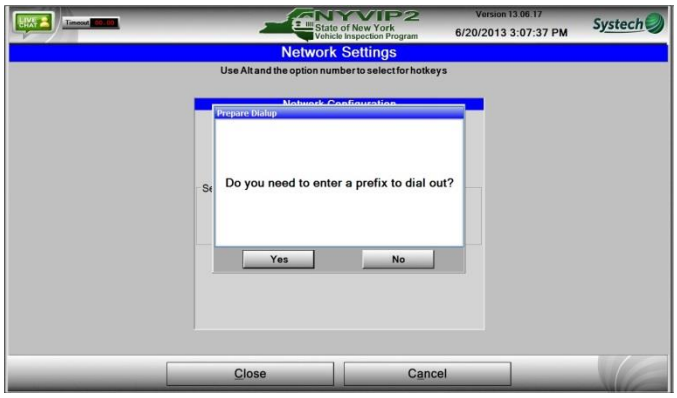
For wireless broadband (internet) connection, go to step 38.

16. The “Network Configuration” screen will appear (Dial-up Instructions steps 16 – 25)



17. Click on 1:Enable Dialup or press the number 1 on the keyboard

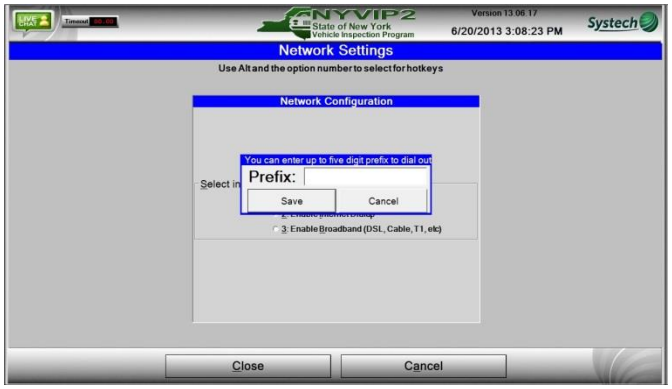
18. The “Prefix Required” dialog box will appear



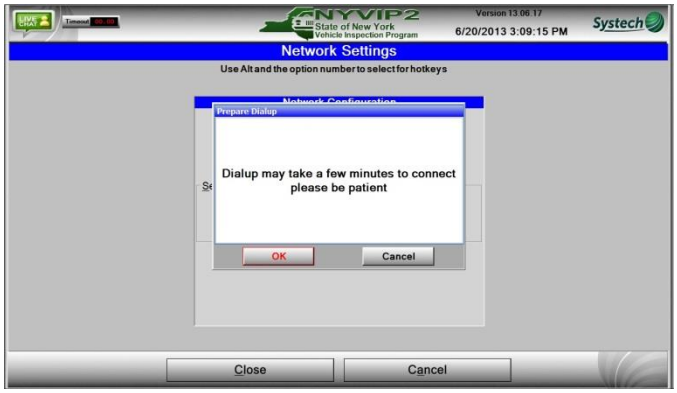
19. If your phone system requires a 9 or any other prefix to dial out click on “Yes” if not click on “No” and go to step 21.

20. If you clicked on “Yes” above, enter the required prefix (up to 5 characters) and click on “Save”

Note: if your phone system requires a 9 or other character to get an outside line enter that character followed by a , (comma). For example enter: 9,

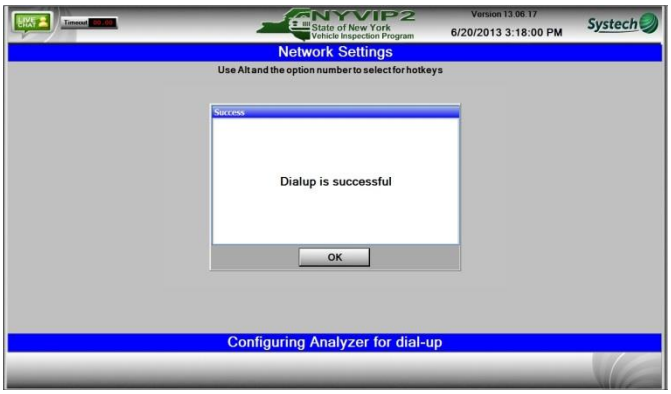


21. The “Prepare Dialup” dialog box will appear



22. Click on “OK”

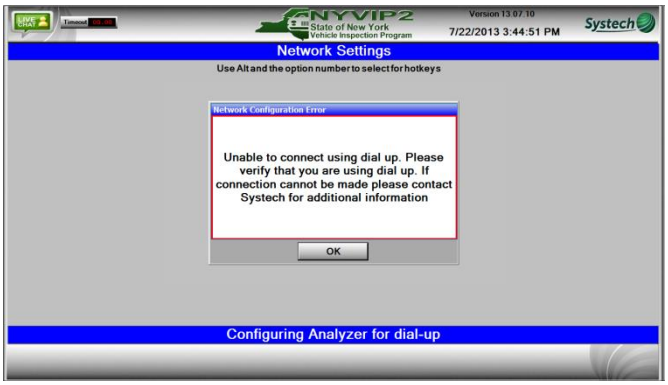
23. After a few minutes you should receive a “Dialup” is successful message



24.

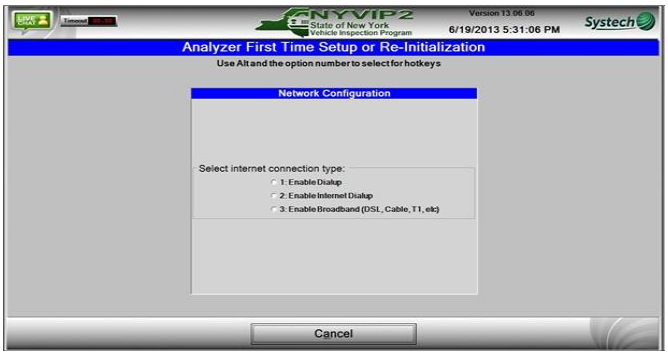
Only click on “OK” if you get the Dialup is successful message above.

Note: If you get the message below instead of the Dialup is successful message above, Call 866-OBD TEST for assistance. Do not proceed with the setup or you may render your analyzer unusable.



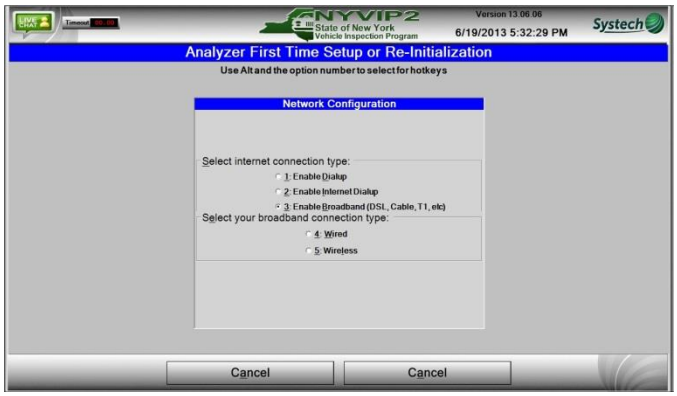
25. Go to step 54 **only** if you received the Dialup is successful message in step 23.

26. The “Network Configuration” screen will appear (Wired Broadband Instructions steps 26 – 37)

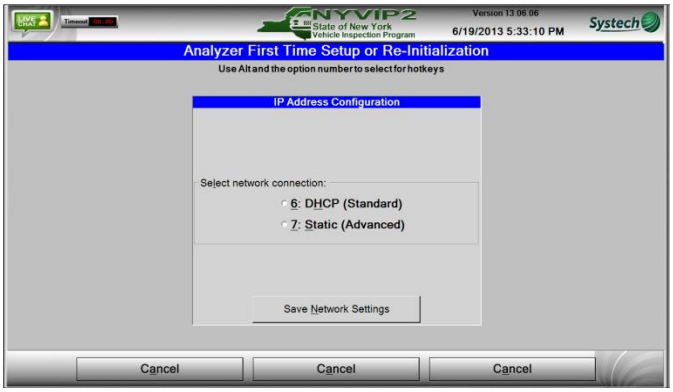


27. Click on 3: Enable Broadband (DSL, Cable, T1, etc.) or press the number 3 key

28. The Broadband connection type selections will appear

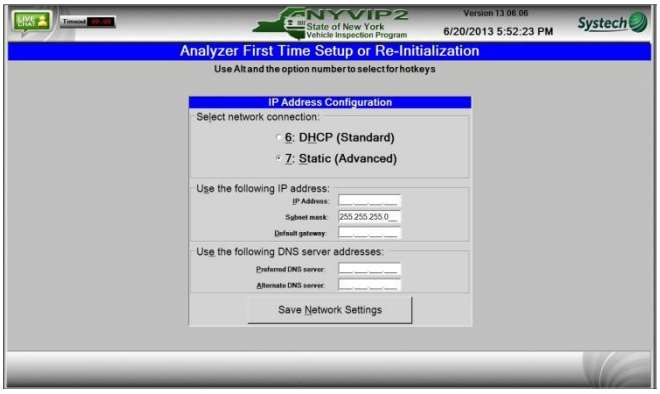


29. Click on 4:Wired or press the number 4 key
30. The IP Address Configuration screen will appear

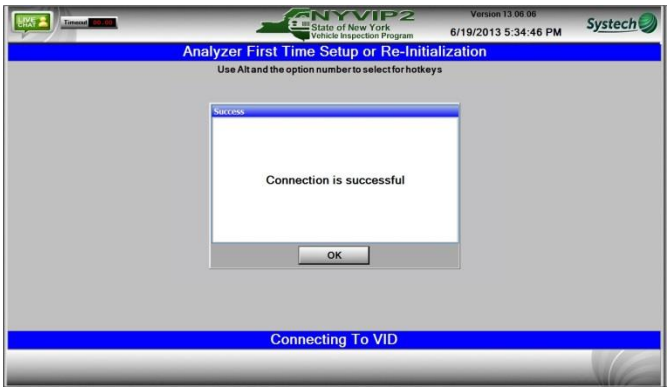


To initialize you must use DHCP, you will be able to switch to a Static IP address after the software update at the end of the procedure. If you are not sure if you need to use DHCP or Static IP address contact the System Administrator in charge of your network before proceeding.

31. If you do not need to use a static IP address then click on 6: DHCP (Standard) or press the 6 key. Go to step 35
32. If you must use a static IP address then click on 7:Static (Advanced) or press the 7 key
33. The IP/DNS server address entry screen will appear.



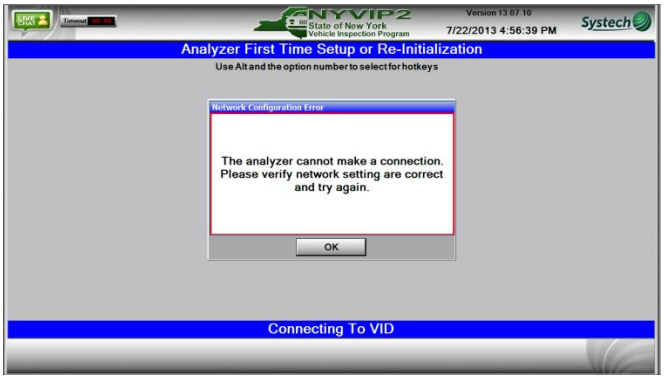
34. Enter the address for each of the following into the appropriate text box and then click on the "Save Network Settings" button
    - IP address
    - Default Gateway
    - Preferred DNS server
    - Alternate DNS server
35. After a several seconds you should receive a "Connection is Successful" message



36.

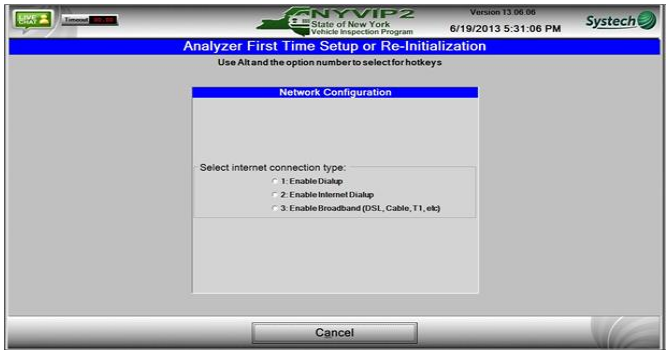
Only click on "OK" if you get the "Connection is successful" message above.

Note: If you get the message below instead of the Connection is successful message above, Call 866-OBD TEST for assistance. Do not proceed with the setup or you may render your analyzer unusable.



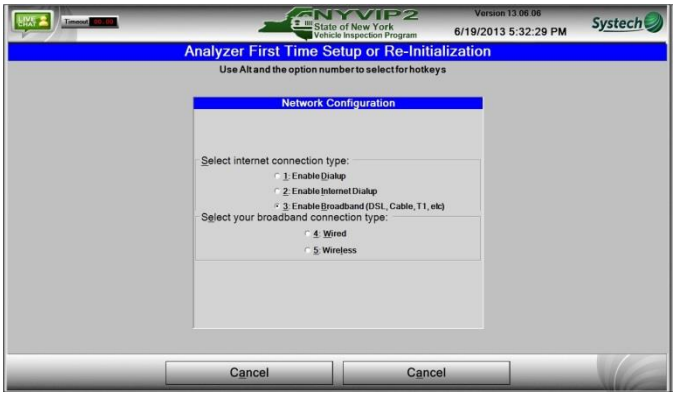
37. Go to step 54 only if you received the "Connection is successful" message in step 35.

38. The Network Configuration Screen will appear (Wireless Broadband Instructions Steps 38 – 53)



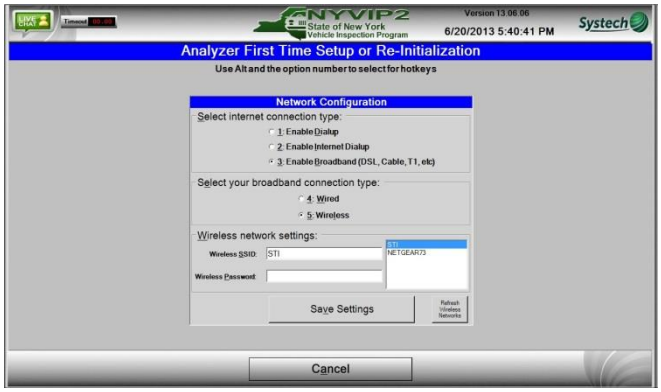
39. Click on 3: Enable Broadband (DSL, Cable, T1, etc.) or press the number 3 key

40. The Broadband connection type selection will appear



41. Click on 5: Wireless or press the number 5 key

42. The Wireless Network Settings Screen will appear



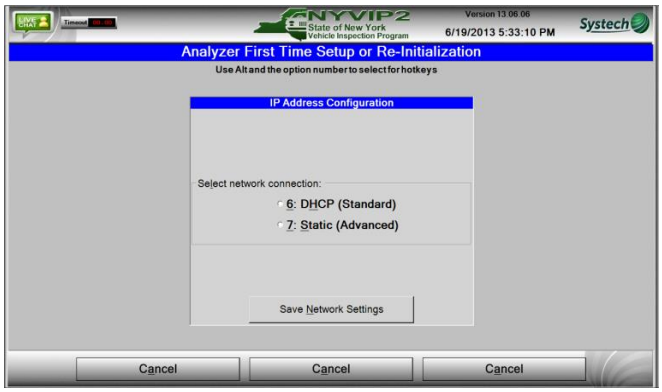
43. Select your wireless SSID from the list in the box on the right by clicking on it, the SSID will appear in the Wireless SSID text box. (If your SSID is not in the list click on the "Refresh Wireless Networks" button).

44. If your wireless network does not require a security password go to step 46

45. If you wireless network requires a security password enter it into the "Wireless Password" text box (see image above)

46. Click on the "Save Settings" button

47. The IP Address Configuration screen appears

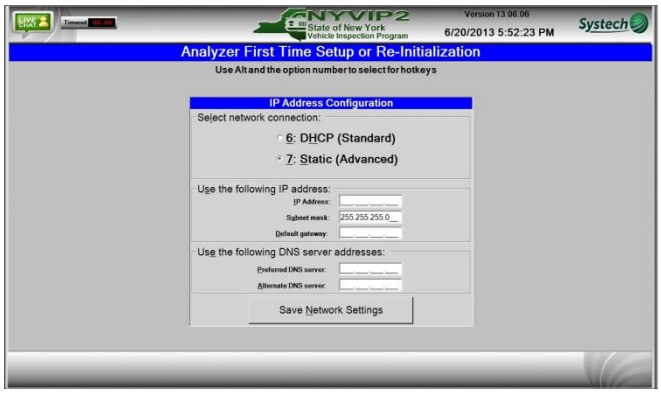


To initialize you must use DHCP, you will be able to switch to a Static IP address after the software update at the end of the procedure. If you are not sure if you need to use DHCP or Static IP address contact the System Administrator in charge of your network before proceeding.

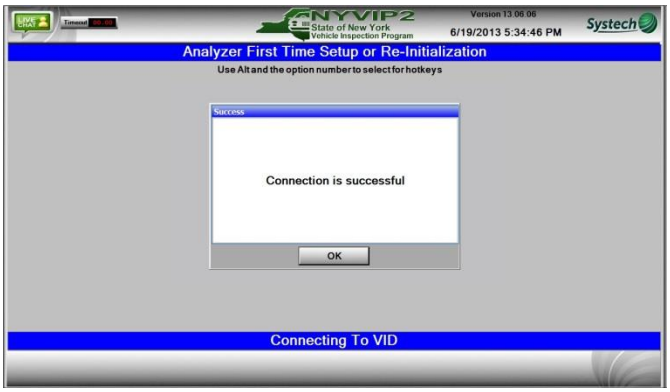
48. If you do not need to use a static IP address wait for a couple of minutes to allow the wireless adapter driver installation to complete then click on 6: DHCP (Standard) or press the 6 key. Go to step 52

49. If you must use a static IP address then click on 7:Static (Advanced) or press the 7 key

50. The IP/DNS server address entry screen will appear.



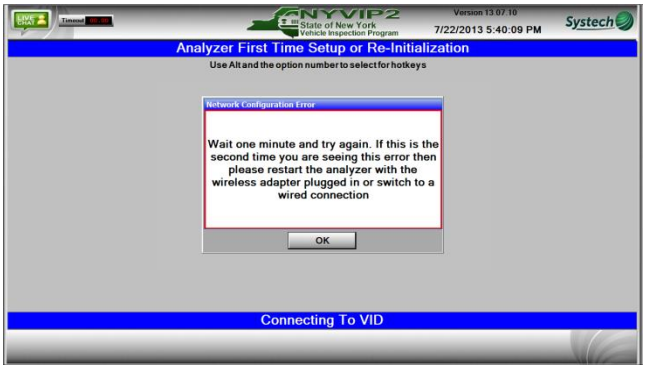
51. Enter the each of the following into the appropriate text box and then click on the "Save Network Settings" button
    - IP address
    - Default Gateway
    - Preferred DNS server
    - Alternate DNS server
52. After a several seconds you should receive a "Connection is Successful" message



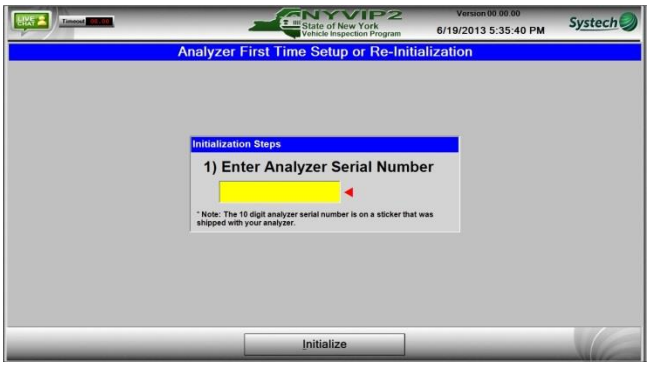
53.

Only click on "OK" only if you get the "Connection is successful" message above.

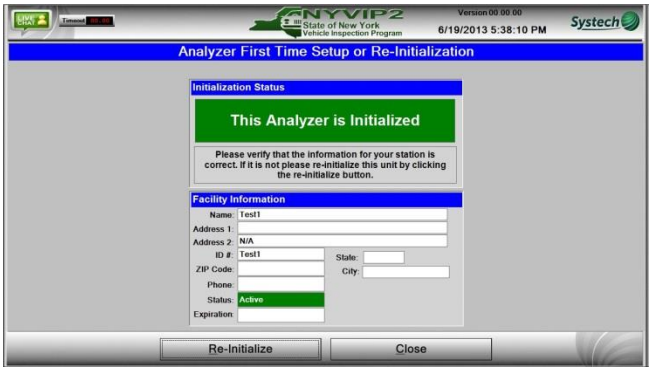
Note: If you get the message below instead of the Connection is successful message above, Call 866-OBD TEST for assistance. Do not proceed with the setup or you may render your analyzer unusable.



54. The "Initialization" screen will appear

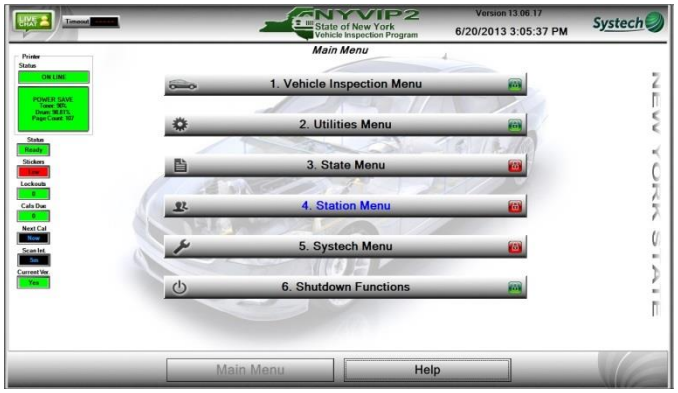


55. Enter the 10 digit analyzer serial number that is on a sticker that was shipped with the analyzer
56. Press the "Enter key" or click on the "Initialize" button
57. The initialization process will begin. If using Dialup the process may take up to an hour, please be patient
58. Initialization Status screen will appear



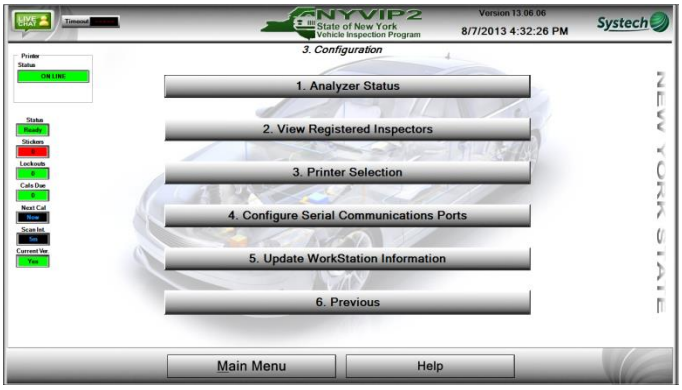
59. Verify that all of the station information is correct
60. If the station information is correct, click "Close". Go to step 63
61. If the initialization failed, click "Re-Initialize" (do **not** click on "Close") and repeat the steps starting with step 54

62. If initialization was successful, but the station information displayed is incorrect:
    - Double check the 10 digit analyzer serial number that was entered:
        - If the 10 digit analyzer serial number was entered incorrectly, select "Re-Initialize" (do **not** click on "Close") to start the initialization process over (step 54) with the correct 10 digit analyzer serial number.
        - If the 10 digit analyzer serial number was entered correctly, please contact Systech at 866-OBD TEST
63. After "Close" is selected and the VID communication completes the "Main Menu" will appear

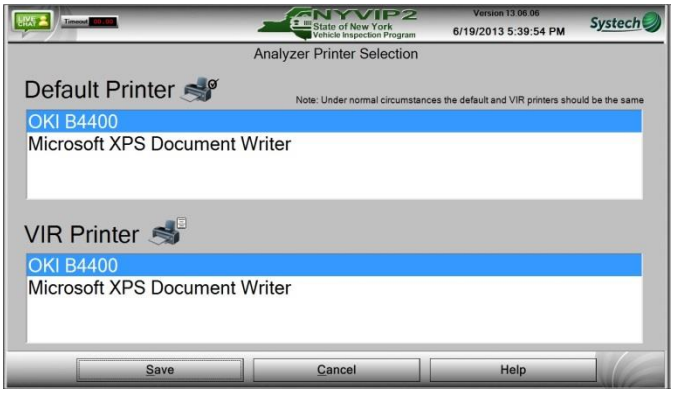


64. Click on the "Utilities" button or press the 2 key
65. The Utilities menu will appear

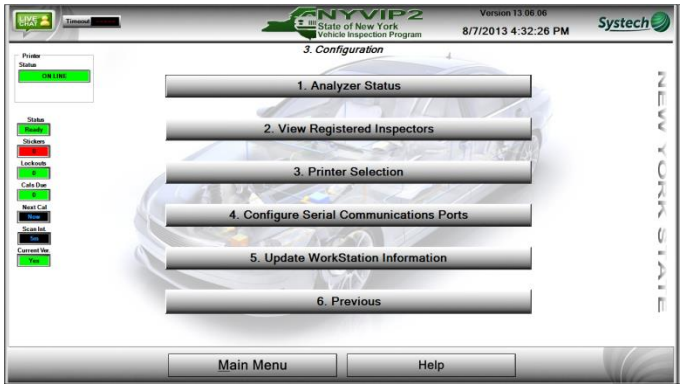
66. Click on the "Configuration" button or press the 3 key
67. The Configuration menu will appear



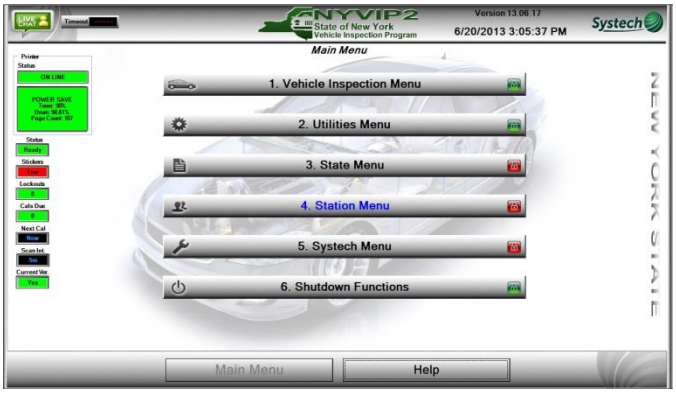
68. Click on the "Printer Selection" button or press the 3 key
69. The printer selection screen will appear



70. Click on "OKI B4400" in both the top section and the bottom section of the screen to highlight them
71. Click on the "Save" button at the bottom of the screen
72. The analyzer will return to the Configuration screen



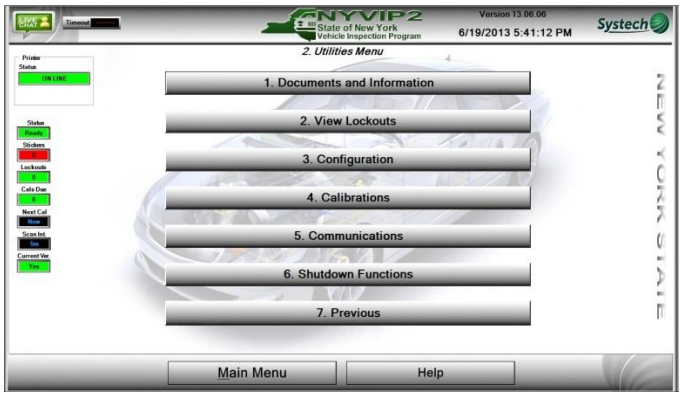
73. Click on the "Main Menu" button at the bottom of the screen to return to the main menu



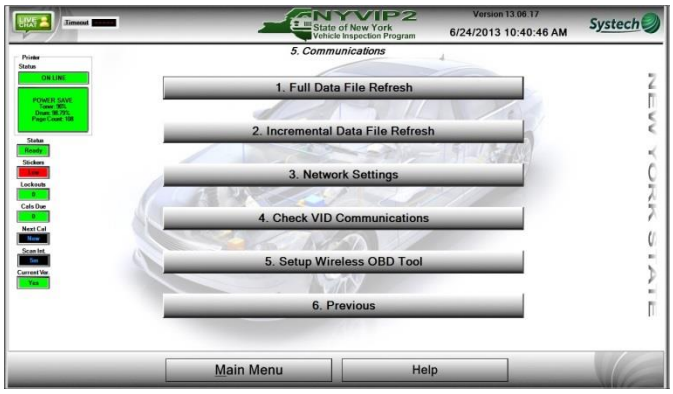
74. If you purchased the wireless OBD option or the Diesel Opacity option proceed to step 75, if not go to step 101

Note: Steps 75 through 100 only need to be performed if you purchased the Wireless OBD option or the Diesel opacity option.

75. Click on the “Utilities Menu” button or press the 2 key
76. The utilities menu will appear

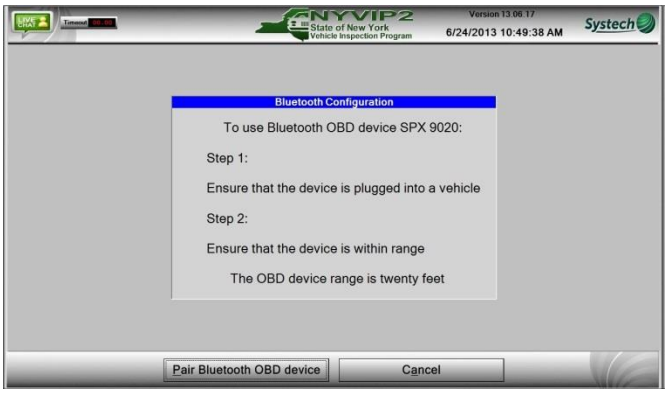


77. If you purchased the wireless OBD option proceed to step 78 if not go to step 92
78. Click on the “Communications” button or press the 5 key
79. The communications menu will appear



80. Click on Setup Wireless OBD Tool or press the 5 key

81. The Bluetooth configuration instructions will appear

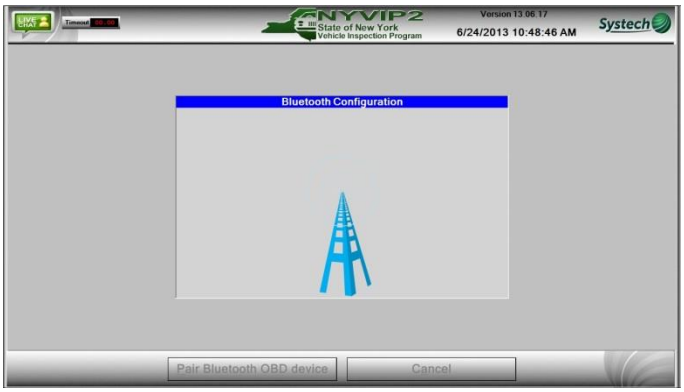


82. Connect the supplied OBD cable to the OBD device as shown below

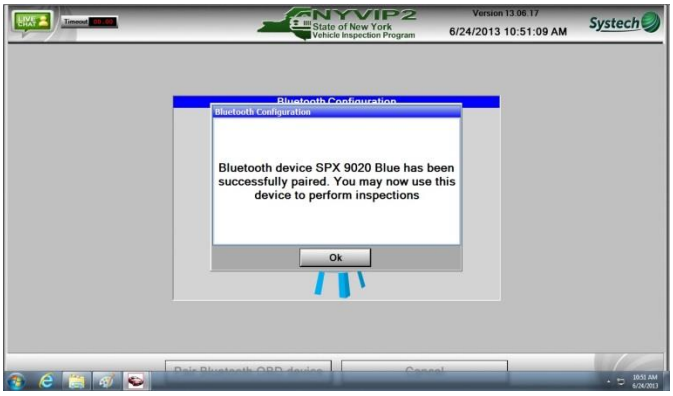
83. Plug the cable into the DLC of a vehicle and ensure that the power LED on the OBD device is on and that the color is green

Note: The device must be connected to a vehicle, the power LED must be green and the device must be within 20 feet of your NYVIP2 analyzer before proceeding

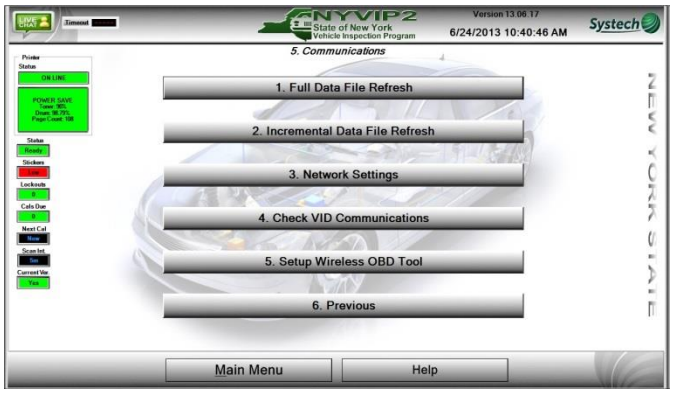
84. Click on the "Pair Bluetooth OBD Device" button at the bottom of the screen
85. The device pairing screen will appear



86. After a few seconds you should receive the message below stating the device pairing was successful

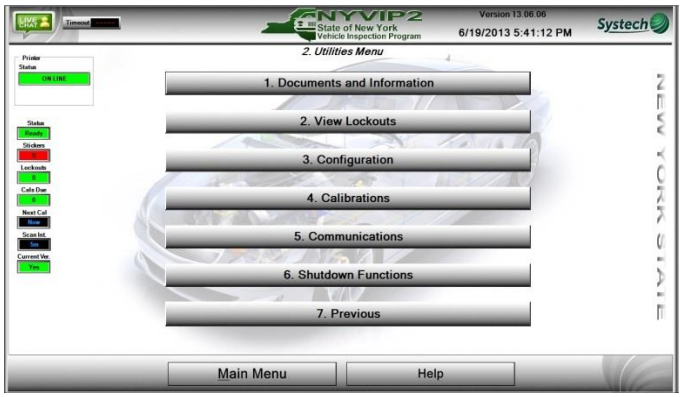


87. Click on "Ok" and go to step 89
88. If the above message is not displayed
    - Shut down the analyzer
    - Verify that the supplied Bluetooth adapter is properly connected to the back of the computer per the connection diagram (also see appendix A)
    - Turn the computer power on
    - Repeat steps 75 through 86 above
    - If the device still fails to pair successfully, please contact Systech at 866-OBD TEST
89. The communication menu will appear



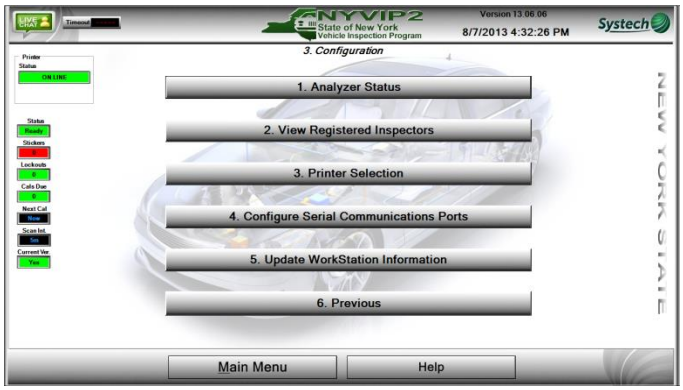
90. Click on the “Previous” button or press the 6 key

91. The utilities menu will appear



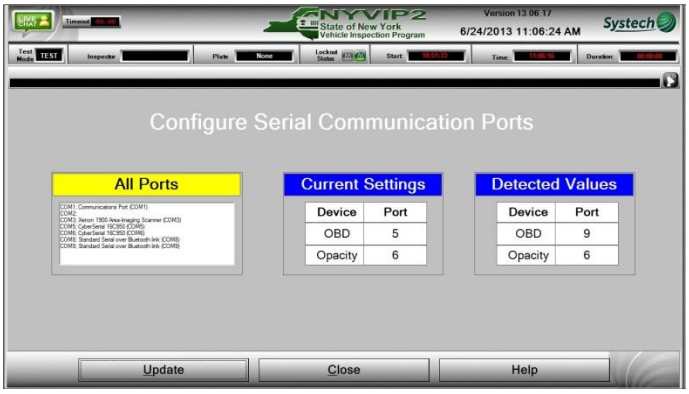
92. Click on the “Configuration” button or press the 3 key

93. The configuration menu appears



94. Click on “Configure Serial Communication Ports” or press the 4 key

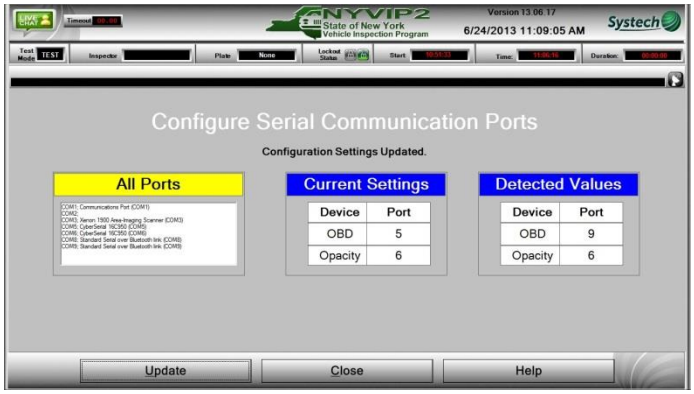
95. A screen displaying the “Current Settings” and the “Detected Values” will appear



96. If the current settings are the same as the detected values go to step 99

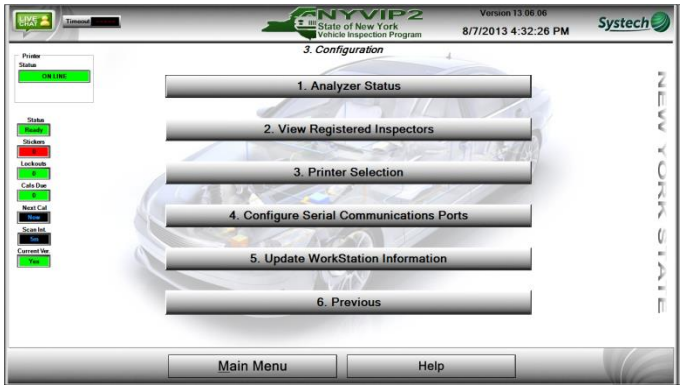
97. If the current settings are different than the detected values click on the "Update button"

98. The message "Configuration Settings Updated" will be displayed above the current settings box



99. Click on the "Close" button

100. The configuration menu will be displayed



101. Click on the "Main Menu" button on the bottom of the screen to return to the main menu

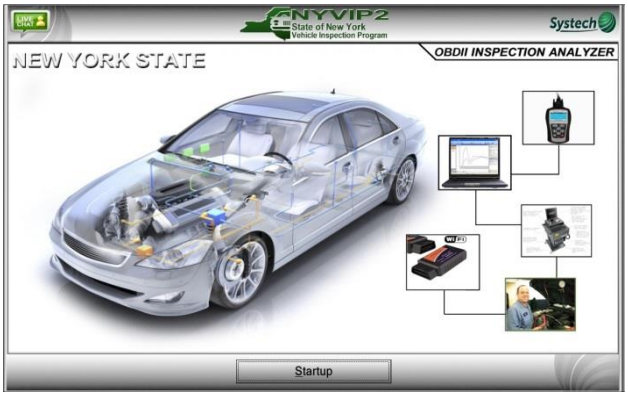
Do not attempt to run a vehicle inspection until the software has been updated per below

102. Please leave your NYVIP2 analyzer on the main menu to allow for automatic software updates to be downloaded.

103. After the software download completes a message will be displayed stating that a software update has been downloaded

104. Click on "Yes" to have the analyzer software update installed

105. The analyzer will automatically restart and install the software update then return to the startup screen.



106. Click on the "Startup" button on the bottom of the screen, the analyzer will communicate with the VID and then display the Main Menu

107. Congratulations your analyzer setup is complete

108. Once you have successfully initialized your unit please store it in a safe area. **You cannot begin using the NYVIP2 unit to perform inspections prior to December 1 unless instructed to do so by either Systech or DMV. You must continue using your SGS Testcom equipment until advised otherwise.**

109. Look for future NYVIP messages regarding program schedule at WWW.NYVIP.ORG

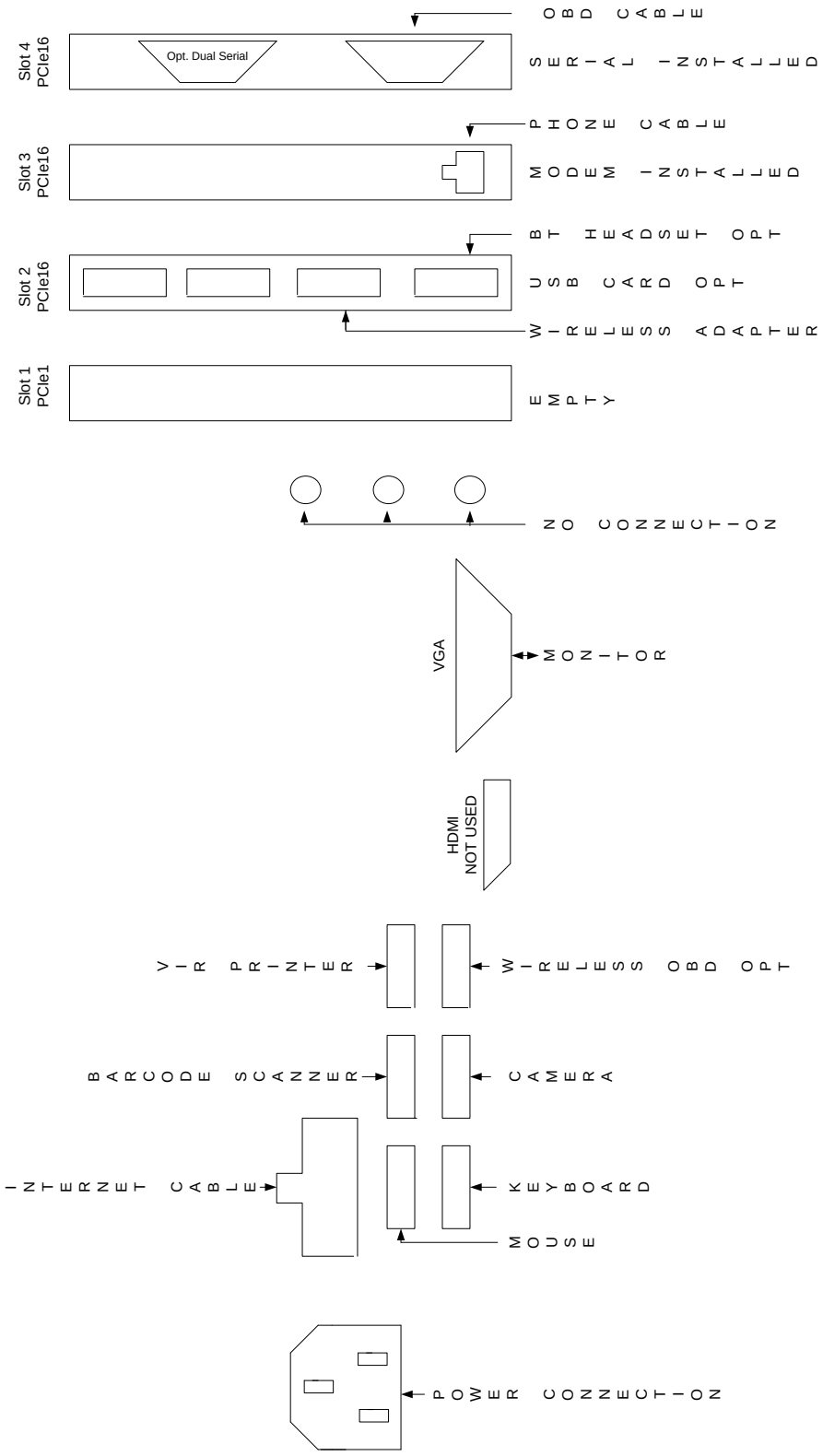
110. Still have questions? Please call 1-866-OBD-TEST

Note: Please leave your analyzer powered up and at the Main Menu to allow software updates to be automatically downloaded to your analyzer.

Note: If you are using dialup you will need to leave your analyzer powered up and at the Main Menu overnight to allow enough time for the software to download.

See back cover for Analyzer PC port diagram

Appendix A

NYVIP2 PC Port Setup
Dell Optiplex 3010

04/17/2013
Rev. D