

APPENDIX

H

Updating CAN Nodes on the Viper Pro Console

Viper Pro consoles with version 3.0 or higher software are capable of programming nodes on the CANbus directly through the Viper Pro console using a USB flash drive with the CAN Update program.

Note: *Before trying to update a CAN Node, make sure the node is communicating properly over the CANbus. If the node is not communicating properly, the Viper Pro will be unable to update the node.*



NOTICE

Updating a CAN Node erases the current settings in the node. To retain settings and calibration data, be sure to write down all settings stored by the node(s) being updated.

The CAN Update program and node updates are available by contacting the Raven customer support center at 1-800-243-5435.

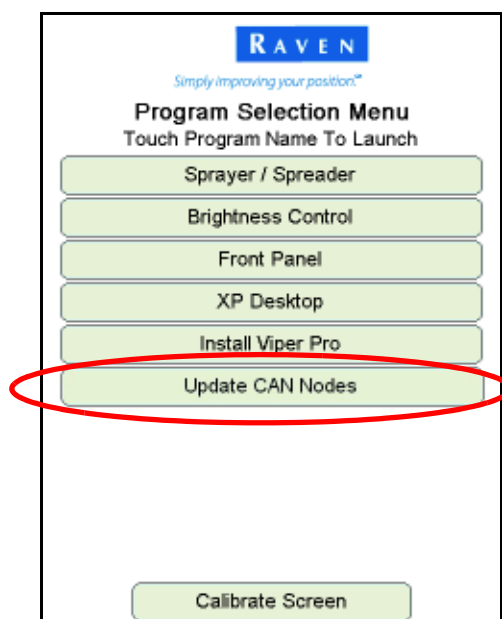
To Update CAN Nodes

1. Start the Viper Pro and access the Program Selection Menu screen.

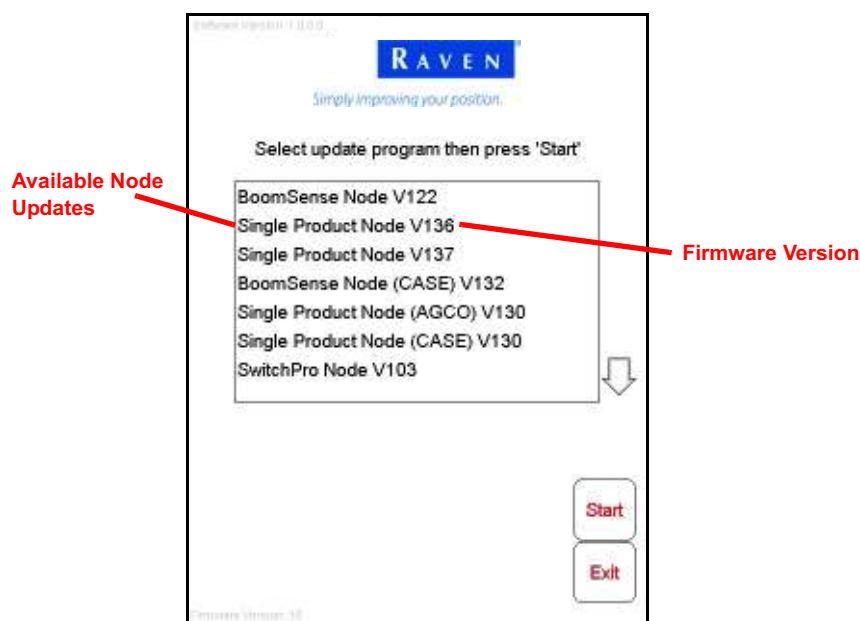
Note: *If the console is already powered up, touch the **Menu** button and select **Exit**. Select the **Exit to Menu** option on the Exit Viper screen.*

2. Insert the USB flash drive with the CAN Update program and required .hex files into an available USB port on the Viper Pro console.

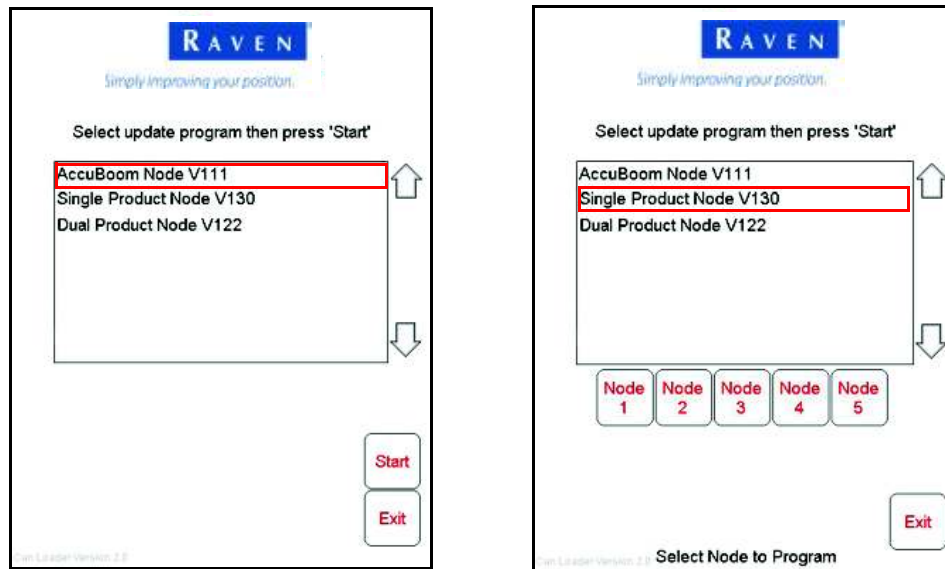
3. On the Program Selection Menu screen, select the option labeled “**Update CAN Nodes**” to begin the CAN Update Program.



4. The Update CAN Nodes screen displays a list of available node updates. This screen also displays the firmware version to which each node will be updated if the update is applied.



5. Touch the node update to apply.



If a Product Control Node is selected, the Node 1 through Node 5 buttons will be displayed.

6. To start the node update:
 - a. If a non-product node (i.e. Boom Sense/Speed, AccuBoom, AutoBoom Node) is selected, press the **Start** button in the lower right corner of the screen to begin the update.
 - b. For Single Product Control Nodes, select the **Node** button corresponding to the product node to update.
 - c. For Dual Product Control Nodes, select the **Node** button corresponding to the *first* product controlled by the dual product node to begin updating the node.

Note: If the Viper Pro cannot communicate with the selected node, the CAN Update Program will display an error. Troubleshoot the node and retry the update.

7. The Viper Pro begins communicating with the selected update. If communication is successful, the Viper Pro will begin the update by erasing the node's memory.

Note: The Viper Pro may take several minutes to prepare and apply the software update to the node.

8. When the update is completed, Viper Pro will display a Programming Complete prompt. Touch the **OK** button to continue.

Note: If errors are encountered during the node update re-apply the node update.

9. To update other nodes via the Viper Pro CANbus repeat step 5 through 8.