APPENDIX

E

Updating CAN Nodes on the Envizio Pro Console

Envizio Pro consoles with version 2.2 or higher software are capable of programming nodes on the CANbus directly through the Envizio 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 Envizio 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.

Node updates are available by contacting the Raven customer support center at 1-800-243-5435.

Note: *Create a folder labeled "canupload" on the root of a USB flash drive (i.e. "G:\canupload" and place the necessary .hex files within this folder.*
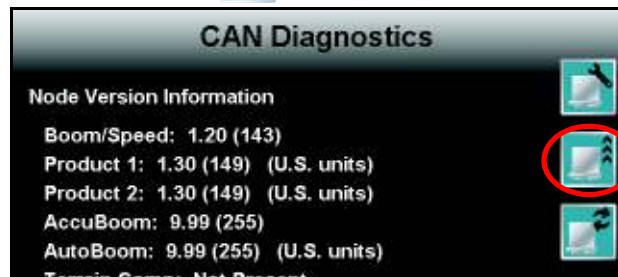
To Update CAN Nodes

1. Start the Envizio Pro and touch the Information icon in the upper, right corner of the Home screen.
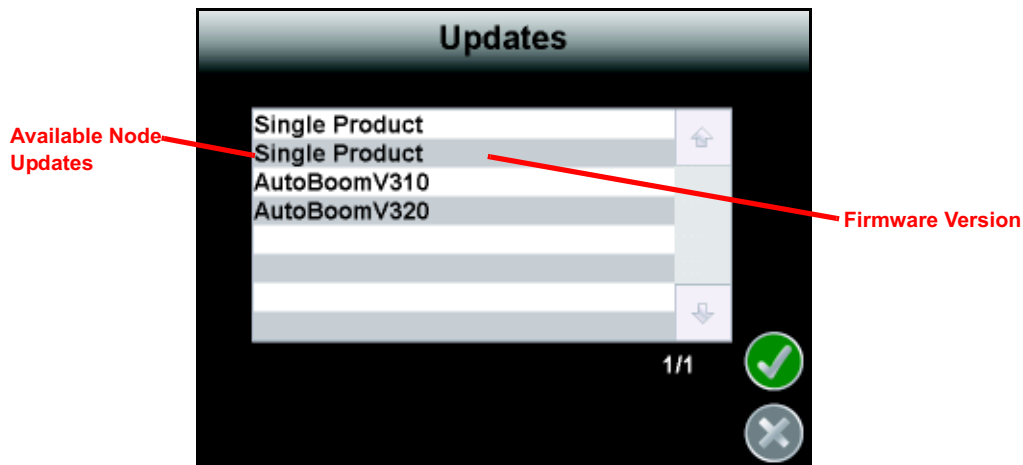

2. Touch the [icon] icon on the About Envizio Pro screen to display the CAN Diagnostics screen.

3. Insert the USB flash drive with the required .hex files into an available USB port on the Envizio Pro console.

4. On the CAN Diagnostics screen, select the ⬚ to begin the CAN Update Program.

CAN Diagnostics

Node Version Information

Boom/Speed: 1.20 (143)
Product 1: 1.30 (149) (U.S. units)
Product 2: 1.30 (149) (U.S. units)
AccuBoom: 9.99 (255)
AutoBoom: 9.99 (255) (U.S. units)
~~Terrain Comp: Not Present~~

5. The Updates 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.

Updates

Available Node Updates →

Single Product
Single Product ←——— Firmware Version
AutoBoomV310
AutoBoomV320

1/1

6. Touch the node update to apply.

Updates

Single Product V130
Single Product V140
AutoBoomV310
AutoBoomV320

1/1

Program Node 1   Program Node 2

If a product control node is selected, the Node 1 and Node 2 buttons will be displayed.

7. 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 Envizio Pro cannot communicate with the selected node, the CAN Update Program will display an error. Troubleshoot the node and retry the update.*

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

Note: *The Envizio Pro may take several minutes to prepare and apply the software update to the node. If errors are encountered during the node update re-apply the node update.*

9. To update other nodes via the Envizio Pro CANbus repeat step 6 through 8.