



**JOHN DEERE**

## Raven Console Setup

### Raven Controller

Settings needed to Run Raven Consoles

[Dan Seeley] [08/07/2012]

- Upon power up the Raven console will prompt you to select a Rate Unit.
- Press the CE button to cycle through the list, and press enter to select the unit.
- US = Gallons Per Acre
- SI = Liters Per Hectare
- TU = Gallons Per Thousand Square feet



- Next the Raven console will prompt you to select a speed source.
- Press CE to cycle the list, and press enter to select the Speed Source.
- SP1 or SP2



- The last prompt will be to select a Valve Type.
- Press CE to cycle through the list, and press the Enter button to select the Valve Type.
- Standard, Fast, Fast Close, PWM, PWM Close.



- Press the Three button to bring up your boom calibration menu. Next press the Enter button and enter in the width of the first section. Press the enter button again to lock the section in. Next use the Up and Down Arrows (1 and 2 buttons) to move to the next boom section, and repeat the above steps.



- Press the Four button to bring up your Speed Calibration Menu. Next press Enter, enter the speed calibration number, then press Enter again to lock in the Speed Calibration Number.
- Sp1(wheel magnets) = 1000
- Sp2(Raven Radar Speed) = 598
- Sp2(Phoenix or Invicta GPS)= 798
- Sp2(Envizio Pro or Cruiser GPS)= 812



<ul style="list-style-type: none"> <li>Note: Special Feature on last page.</li> </ul>	
<ul style="list-style-type: none"> <li>Press the Five button to bring up your Meter Calibration Menu. Next Press Enter, enter the Meter Calibration Number, then press Enter again to lock in the Meter Calibration Number. (Meter Calibration number is found on the Flow Meter then divided by 10 for ten pulses per unit).</li> </ul>	
<ul style="list-style-type: none"> <li>Press the Six button to bring up your Valve Calibration Menu. Next Press Enter, enter the Valve Calibration number, then press Enter again to lock in the Valve Calibration number.</li> <li>Standard Valve = 2123</li> <li>Fast Valve = 743</li> <li>Fast Close Valve = 743</li> <li>Pulse Width Modulation = 43</li> </ul>	

<ul style="list-style-type: none"> <li>Press the Seven button to bring up your Rate 1 Menu. Next press Enter, enter the desired rate, then press Enter again to lock in Rate 1.</li> <li>(Notice that there is a decimal when entering your Rate. For Example: A desired rate of 20 will need to be entered as 20.0, if not entered this way then the Rate would read 2.0.)</li> <li>Note: Special Features on last page.</li> </ul>	
<ul style="list-style-type: none"> <li>Press the Eight button to bring up your Rate 2 Menu. Next press Enter, enter the desired rate, then press enter again to lock in Rate 2.</li> <li>(Notice that there is a decimal when entering your Rate. For Example: A desired rate of 20 will need to be entered as 20.0, if not entered this way then the Rate would read 2.0.)</li> </ul>	

- Press the Nine button to bring up your Volume/Tank menu. Next press Enter, enter the volume of product that is in the tank, then press enter again to lock in the Tank Volume. (The Raven Console will count this number down as product is being applied.)
- Note: Special Features on last page



## Special Features

1. Press and Hold Vol/Tank button for five seconds to set a low tank level alarm.
2. Press and Hold Rate 1 (button 7) for five seconds to set a Increment amount for your Increase Decrease rate.
3. Press and Hold Speed (button 4) for five seconds to set a Control Valve Delay.
4. Press and Hold Volume/Minute button for five seconds to set low limit
5. To clear the Raven settings and start from scratch turn the Raven console off, then press and hold the CE button while you power the Raven Console back up.