#### Making Small Adjustments to Rapidlogger variables from a PC using the Rapidlogger-Utility

This tech note describes the process to change, update, setup add or remove Rapidlogger Variables from a PC. The program used to do this operation is called the "Rapidlogger Utility". This document describes the use of the "Rapidlogger Utility". You should only use version number 2.1.0.35 or newer versions of this utility program. The program is available on the CD that is shipped with your system. Before using this program the PC should be connected to the Rapidlogger System with an Ethernet cable and the network setup should be completed. The network setup is described in a different document.



Figure 1: Rapidlogger-Utility program Version

The first step is to install the "Rapidlogger Utility" program on your PC. To install double click on the setup.exe file inside the Rapidlogger Utility folder on the CD.



Figure 2: Running the Rapidlogger Utility from the program menu

Now run the program by clicking on the program icon for Rapidlogger Utility in the program menu.

Variable Data Variable Name Variable Name Variable Name Variable Units Decimel Places 0 0 1 Input Type Input Number 1 0 Keep	Toggles         Ensble         Display         Becord/Transmit         Regeive         Regeive         Multipler         0.00000000         Diffset         0.00000000         Uindo	Repidlogger Unit Rapidlogger Network Address 192:168:0.5 Ping Rapidlogger Read Dire from Unit Write One to Unit Read All from Unit Write All to Unit System Setup Sync Time -Local Computer Disk ReadVars File Write Vars File Rapidlogger Filesystem
Variable Apply Failed		Copy File to Rapidlogger Test

Figure 3: Rapidlogger-Utility program Initial screen

1) Try to ping Rapidlogger System by clicking on the "Ping Rapidlogger" button as shown below.

5. Use the up/down arrow to select different variables	<ul> <li>Rapidlogger Utility</li> <li>Variable Data</li> <li>Variable Number</li> <li>1</li> <li>Variable Name</li> <li>Pressure</li> <li>Variable Units</li> <li>psi</li> <li>Decimal Places</li> <li>0</li> <li>Input Type</li> <li>5- Analog</li> <li>Analog Input Number</li> <li>1</li> </ul>	Toggles         ✓ Enable         ✓ Display         ✓ Record/Transmit         Regeive         Remote         Special         Multiplier         0.286106600         Offset         -3750.000000000	Rapidlogger Unit         Rapidlogger Vetwork Address         192.168.0.5       Ping Rapidlogger         Read One from Unit       Write One to Unit         Read All from Unit       Write All to Unit         System Setup       Sync Time         Local Computer Disk       4. Click here to Read         Read Vars File       4. Click here to Read         Write Vars File       Write Rapidlogger Unit
2. Message shows good response	Keep Rapidlogger Response Rec	Undo	Rapidlogger Filesystem         Copy File to Rapidlogger         Test         About

Figure 4: Using the Rapidlogger Utility

2) If the message in the window show "Rapidlogger Response Received" then you are ready to proceed. If the message shows "Connection to Rapidlogger Failed" then there is a problem with the network connection and you need to check all of the steps in the network setup procedure described in the Rapidlogger Tech Note #5 thoroughly and try again.

3) You can verify that the program version number is at least 2.1.0.35 by clicking on the "About" button. If the version number is lower than 2.1.0.35 please install the correct version.

4) The next step is to load or read in all of the Rapidlogger Variables from the Rapidlogger System in to the "Rapidlogger-Utility" program. You can do this by clicking on the "Read All from Unit" button.

5) Click on the up/down arrow next to the Variable Number. As you change the variable number different variables are displayed on the screen and can be modified.

Rapidlogge / U	6. Use the up/down arrow to select the variable Number	Rapidlogger Unit	
Variable Nymber 1 Variable Name	roggies ✓ Enable ✓ Display	Rapidlogger Network Address       192.168.0.5       Ping Rapidlogger	
Pressure Variable Units	Image: Percond/Transmit           ■ Receive	Read One from Unit Write One to Unit	
Decimal Places	Remote Special	System Setup Sync Time	7. Write modified Variable to Rapidlogger
5- Analog Analog Input Numbe	Imaginal           0.286106600           er         Offset           Imaginal           Imaginal	Read Vars File   Write Vars File	
Кеер	Undo	Rapidlogger Filesystem	
Rapidlogger Respon	se Received	Copy File to Rapidlogger Test	
		About Close	

Figure 5: Changing a Variable

6) Click on the up/down arrow until the variable you want to modify is displayed. Now you can adjust the variable as needed. For example if you want to change the Multiplier for the variable to be a different number you would enter that number in the Multiplier field. The changes

are not written back to the Rapidlogger System until the "Write One to Unit" button is pressed.

7) Pressing the "Write One to Unit" button writes the variable that is currently displayed back to the Rapidlogger System. If you accidently make unintended changes to a variable values then be sure not to "Write" that variable to the Rapidlogger System. Go back to step 4 and start again.

8) If you want to change the multiplier for pump #1. You have to adjust both the PumplRate and PumplTotal variables. First select variable 5 (PumplRate) and change the multiplier to the correct value (If you can not determine the correct value for the pump multiplier then please contact the factory by email, make sure you have the following information included [i) Volume pumped for every rotation of the pump ii) number of pulses transmitted by the proximity switch for every pump cycle] ). Now press the button "Write One to Unit". This writes the variable back to the system. Now the PumplTotal must be adjusted. Select variable 8 (PumplTotal) and change the multiplier to the correct value (The correct value of the PumplTotal multiplier is always 1/60 of the value of the PumplRate multiplier). Now press the button "Write One to Unit". This completes the adjustments to the pump #1.

9) If you want to change the multiplier for pump #2. You have to adjust both the Pump2Rate and Pump2Total variables. First select variable 6 (Pump2Rate) and change the multiplier to the correct value (If you can not determine the correct value for the pump multiplier then please contact the factory by email, make sure you have the following information included [i) Volume pumped for every rotation of the pump ii) number of pulses transmitted by the proximity switch for every pump cycle] ). Now press the button "Write One to Unit". This writes the variable back to the system. Now the Pump2Total must be adjusted. Select variable 9 (Pump2Total) and change the multiplier to the correct value (The correct value of the Pump2Total multiplier is always 1/60 of the value of the Pump2Rate multiplier). Now press the button "Write One to Unit". This completes the adjustments to the pump #2.