

PruProgram Software Revision History

Version 5.1.1 – 8/20/2017

- Abandon GitLab.

Version 5.1.0 – 8/6/2017

- Add support for PRU-6C.

Version 5.0.5 - 5/5/2016

- Change factory default for Switched Auxiliary Power for PRU-5V version 1.x.x devices.

Version 5.0.4 - 11/3/2015

- Change to handle case where bad values in XML reference off-screen coordinates

Version 5.0.3 - 10/6/2015

- Add Remote Commands and supporting dialog boxes
- Retain recently used wireless addresses
- Hide "Double When Batteries Reach" value on Schedule tab when not applicable
- Make classic interface the default
- Eliminate maximize and minimize controls in slave windows
- Fix problem where Tamper Trigger settings were not properly initialized in the Input Triggers tab
- Fix several problems associated with initializing output trigger settings in various tabs
- Fix problem where data from Battery tab was not being saved to device
- Remove obsolete data fields from Supervisor tab
- Update factory default parameters for devices supporting Interface Protocol 250 (i.e. PRU Firmware Rev 5.4.0 and later)

Version 5.0.2 - 4/9/2015

- Fix problem initializing selected polygons in Iridium tab

Version 5.0.1 - 2/26/2015

- Fix bug where log would scroll to top after deselecting single line
- Send aux commands using binary protocol

Version 5.0.0 - 2/20/2015

- Fix bug in open file dialog when dealing with multiple KML files
- Don't require leading plus sign when inputting positive coordinate values in signed format
- Fix problems with import/export of XML files
- Allow user to choose between Classic and Reduced GUI

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- Rewrite rule editing GUI

Version 4.0.7 - 8/25/2014

- Fix bug that interpreted hexadecimal wireless address as if it was decimal
- Update position decoding for revised position reporting scheme
- Capture changes to project files that were missed in 4.0.6 checkin
- Complete implementation of context menu tools for decoder window

Version 4.0.6 - 6/28/2014

- Rebrand FFT to PRU-6D
- Enable export command anytime a valid database is present
- Read factory default values from embedded XML files
- Assign separate device type code for PRU-6M to accommodate different default parameter set
- Don't enable NumberOfRetries for Iridium modem in cases where it inapplicable

Version 4.0.5 - 2/24/2014

- Allow export of database derived from canned data

Version 4.0.4 - 1/9/2014

- Add code to prevent bursts of garbage on serial line from breaking console output stream
- Improve runtime handling of some errors

Version 4.0.3 - 11/24/2013

- Remove special restriction for GpsAlwaysOn flag
- Fix bug that prevented reading from live device after reading from canned one
- Speed up erase console screen command
- Make all intervals unsigned
- Add various enhancements to console window
- Prohibit deletion of PowerOn and Reset rules
- Add decoding of auxiliary command confirmation messages
- Fix memory leak

Version 4.0.2 - 10/9/2013

- Fix bug that caused program to crash when trying to send auxiliary command from Test Dialog.

Version 4.0.1 - 4/4/2013

- Initial implementation of PrimaryGUI adaptation.

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Version 3.0.10 - 1/29/2013

- Fix problem where Iridium Command Polling parameters were not being written back to the PRU when changed in the GUI.

Version 3.0.9 - 12/27/2011

- Modify Rules tab so that it doesn't display the Power On event.

Version 3.0.8 - 7/18/2009

- Fix bug in Rules Tab that caused Event Parameter combo box to incorrectly map parameter values if they didn't map one-to-one with combo box index values.

Version 3.0.7 - 5/28/2009

- Fix bug that failed to save changes to output trigger polarity and pulse length.
- Fix bug that prevented using Test mode if not COM port is available.

Version 3.0.6 - 5/20/2009

- Change factory defaults for older PRU versions to set modemInOut value to "outside"..

Version 3.0.5 - 5/12/2009

- Fix bug that made PruProgram unable to synchronize properly with the Wireless programmer(BugID 372).

Version 3.0.4 - 5/7/2009

- Fix program abort when reading from nonexistent serial port by disallowing PRU Read operation if the serial port is not properly configured. (BugID 371)

Version 3.0.3 - 5/6/2009

- Reevaluate connection to Wireless Programmer when serial port is changed.
- Reset any existing error conditions when opening serial port.

Version 3.0.2 - 5/3/2009

- Update static text describing coordinate syntax on property pages.

Version 3.0.1 - 5/1/2009

- Fix default values for modem zone selections to "outside".
- Remove Battery tab for PRU-5V.
- Add logic to catch PRU I/O failures and report them to the user.

Version 3.0.0 - 4/5/2009

- Add support for PRU-5V.

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Version 2.4.2- 3/20/2008

- Change some default parameter values for compatibility with PRU version 5.4.1.

Version 2.4.1- 2/10/2008

- Improve error handling in cases where serial device fails.

Version 2.4.0- 4/5/2009

- Add support for latching triggers.
- Avoid reading/writing polygons that are unpopulated/unchanged
- Fix divide by zero fault in mission life calculations when BIT is disabled.

Version 2.3.7

- Don't display Tuning button in Mission Life Calculator at startup.

Version 2.3.6

- Tweak battery life power conversion factors.

Version 2.3.5

- Fixed problems with Battery Life Calculator where field updates were not always causing battery life to be recalculated.
- Fixed problems with computation of wireless costs.
- Improved layout and labelling in Battery Tuning dialog box.

Version 2.3.4

- Remove references to Low Power mode in STX modem.
- Change logic to interpret Wireless Receive Cost as the steady state burn rate (in mW) of the Atmel. When the Atmel is enabled the effect will be the same as adding the Wireless Receive Cost to the Standby Cost.
- Fixed bug that treated bias constant (K2) as unsigned.
- Straighten out logic that controls power estimation for wireless network.

Version 2.3.3

- Fix byte swap problems when writing battery life tuning parameters back to PRU.
- Enhance Mission Life Calculator to operate in the absence of a valid PRU database.
- Add ability to tweak Battery Life Tuning parameters in Mission Life Calculator.

Version 2.3.2

- Add battery data to Mission Life calculator to support earlier versions.

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Version 2.3.1

- Add preliminary implementation of Mission Life Calculator.
- Fixed bug that constrained battery voltage lower limit to 8 VDC instead of 3 VDC.

Version 2.3.0

- Add support for battery life calculations in PRU.
- Update to Interface Revision 251.

Version 2.2.5

- Fix bug that caused extra bytes to transmitted to PRU when writing polygons.
- Remember preference for entering wireless address in hex or decimal.
- Don't drop out of wireless mode when PRU connection fails.

Version 2.2.4

- Extend Murphy test features.

Version 2.2.3

- Add Murphy test feature.
- Increase size of console buffer.

Version 2.2.2

- Move setting from Windows Registry to XML file.
- Remember pane size settings.
- Change default values for Iridium modem parameters.

Version 2.2.1

- Add polygons to internal device database.
- Move polygon editing into Edit Parameters property page.
- Remember window size & position settings.
- Switch to fixed-width font.
- Replace references to PRU-4 with PRU.

Version 2.2

- Add PRU-7 support including use of polygonal zones to control modem transmissions.
- Upgrade to Interface Version 252.
- Add decoder pane to main window.

Version 2.1

- Added code to accommodate Interface Version 253.
- Added control to leave GPS on all the time.
- Added backdoor password to access new control.
- Added Ctrl-T command to toggle the test menu.

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Version 2.0

- Added Iridium modem support.
- Added Geo-Fence Zone entry/exit detection and reporting.
- Added support for wireless connection to PRU.
- Revise presentation of Output Trigger controls.
- Retain supervisor setting between sessions.
- Don't ask for supervisor password if value is blank.
- Work around Windows bug for accessing COM ports above 9.
- Add support for new PRU capabilities.
- Remove modem transmit power control.
- Add support for transmit count.

Version 1.4

- Added AUTO option for modem channel
- Added control to run with Mote power off
- Added second pane to application window for console output
- Fix bug that confused lat & lon for geo-fence zone bottom & left
- Improve COM device error handling.
- Add context menus.
- Fix bug in handling of AlwaysOn case for switched power control.

Version 1.3

- Add support for PRU-4

Version 1.2

- Add control to force reports when GPS fix not available.

Version 1.1

- Move password change command to PRU menu.
- Include PRU firmware revision as determinant of functionality.
- Add command to reset stored version of modem serial number.
- Add some annotations to property tabs.
- Update help files.

Version 1.0

- Initial release