

AcquiLite Firmware changes through v1.05.0819.

The firmware for the A7801 released in August 2005 has a number of minor updates detailed below. This document includes several firmware change logs for releases prior to 1.05.0819. The firmware update is provided at no cost.

List of changes in v1.05.0819:

2005-08-19 10:41

* Firmware release version v1.05.0819

2005-08-16 08:40

* Added feature to write time change error messages to the data log file if time change is greater than 5 minutes. This matches a similar feature in the AcquiSuite. Consolidated all time change functions into ChangeSystemTime() feature.

2005-08-14 22:55

* Added UTC notation to upload time selector menu option.

2005-08-14 22:55

* Added feature to clean up text strings submitted from html form variables, removes leading/trailing whitespace. Added feature to refuse whitespace in the password field.

2005-08-14 17:25

* Added feature: Javascript / browser based time set menu tool

2005-08-14 17:24

* fixed a bug in sdtrimstring that affected single character strings with leading whitespace.

2005-08-09 14:16

* Changed time init to always schedule an upload when booting with failed battery.



2005-08-09 14:05

* Fixed a bug in the alarm reporting for high-rate alarms, and upload on alarm feature.

2005-08-09 11:31

* Changed boot procedure to check and retain RTC time if the time looks valid. This will allow the AcquiLite to keep time for brief power outages even when the battery is dead.

List of changes in v1.05.0727:

2005-07-28 13:39

* firmware/AL-01.05.0727.bin: Firmware release v01-05-0727

2005-07-21 00:12

* Added much larger buffer for tcp sockets.

2005-07-20 18:47

* Added another pause in log file upload loop to allow other processes to run longer.

2005-07-20 18:46

* Added a feature to allow the user to select the modem baud rate.

2005-07-03 15:46

* Fixed broken sdtrimstring which failed when buffer had both leading and trailing whitespace and buffer was not cleared.

List of changes in v1.05.0608:

2005-06-09 11:55

* Firmware release version v1.05.0608

2005-05-29 12:25

* Added feature to handle watt-hour units (Wh) as autodetected demand values. This allows the AcquiLite to change the ave rate field to demand and units to Watts when the consumption is set to Wh.



2005-05-26 18:06

* Added timeout monitor to DNS resolver calls to make sure DNS doesn't get stuck in the upload process. This should not happen however the DNS resolver appears to have problems when PPP is disconnected in the middle of name resolution.

2005-05-23 08:06

* Added code to include the compiler version and date in the system status page. visible only with "show source" from a browser.

2005-05-23 08:05

* Changed error modem init procedure to not log modem-open errors when dialin/out is not enabled. This prevents excessive error messages when a modem is not installed on the PCB.

2005-05-17 08:36

* Changed log file upload procedure to allow single record uploads on first pass, but all subsequent log file (batches) must have 2 or more records. This prevents the single record log file from being uploaded at the end of a large batch of data

2005-05-17 07:46

* Clear instantaneous rate at the end of a log interval. This prevents the inst rate from sticking to the previous value when the next interval(s) have no pulses.

2005-05-06 08:36

* Added connection close to allow socket to close after transfer on HTTP/1.1 and MS Proxy (ISA)

2005-04-18 21:54

* Added a feature to check the last successful upload time and reboot the system if 5 days has elapsed since a successful upload.

2005-04-10 15:28

* Updated log error entry codes. changed 'corrupt' entry flag to 164, and added time change and auto-restart in keeping with the AcquiSuite.



2005-03-17 21:35

* ti_logfile.png: Fixed broken PNG file transparency that causes a false-positive for BloodhoundExploit.24 in Symantec anti-virus. The actual file is not infected but causes panic among users with Symantec AV.

2005-03-15 07:38

* Fixed spelling of Cancel button.

List of changes in v0.04.1209:

2004-12-09 10:41

* AL-00.04.1209.bin: Files for firmware release version v0.04.1209

2004-12-09 09:43

* Fixed a issue with the dialout log, reports ppp assigned ip address rather than ethernet upon modem connection.

2004-12-07 14:46

* Added feature to retry sending a log file on upload error. Added error message to send data functions in upload procedure, corrected bug in error message byte count report.

2004-12-07 09:44

* Changed SendXDataToSocket to use int size return variable, avoids improper formatted byte count in system log.

2004-12-07 09:43

* Changed Ethernet and PPP MTU size to 1500 for performance. zworld tech support suggests 1500 MTU for ppp avoids problems with PPP servers that insist on larger MTU settings, however no one has complained about this yet.

2004-12-07 09:42

* Changed ip setup procedure to ignore blank dns server addresses assigned by a ppp server. When no ppp assigned dns server is available, fall back to the user preference setting.



List of changes in v0.04.0812:

2004-08-13 09:23

* AL-00.04.0812.bin: Files for firmware revision v0.04.0812

2004-08-12 14:21

* Added feature to allow the enertraxdl tool to delete old log file data.

2004-08-11 08:02

* Added feature to provide XML view of instantaneous data.

2004-08-07 23:01

* Added feature to status mode transfer to report the status of the battery.

