

January 2020 AcquiSuite/AcquiLite Firmware changes

Version **v02.20.0122** for A7810, A8810, and A8812

Users should be aware of these changes and how these may impact any custom applications that may have been developed. Although great care has been taken to maintain the previous feature set, users should test the firmware update prior to deploying this firmware on production equipment.

The firmware update will be provided at no cost.

IMPORTANT: After updating firmware, please **press CTRL-F5** in your browser window to cause the browser to reload any cached web files from the AcquiSuite/AcquiLite.

Overview of Changes

Security-Related Changes in v02.20.0122 compared to previous release (v02.18.117):

- **Security:** Added support for California Law **SB-327** aka “first time” password. Each DAS now ships without a password and requires the user to create one. Before use each DAS requires a user to create a password which has a maximum range of 63 characters. Once a password is entered and correctly re-typed the unit is available for use. There is an option to allow the front panel to reset a password available from the advanced menu. The front panel advanced menu is accessible by holding both buttons down for 2+ seconds. The front panel reset feature is configured from the web browser first time setup and the Security -> Admin user page.

- **SB-327:**

This bill, beginning on January 1, 2020, would require a manufacturer of a connected device, as those terms are defined, to equip the device with a reasonable security feature or features that are appropriate to the nature and function of the device, appropriate to the information it may collect, contain, or transmit, and designed to protect the device and any information contained therein from unauthorized access, destruction, use, modification, or disclosure, as specified.

(a) A manufacturer of a connected device shall equip the device with a reasonable security feature or features that are all of the following:

- (1) Appropriate to the nature and function of the device.
- (2) Appropriate to the information it may collect, contain, or transmit.
- (3) Designed to protect the device and any information contained therein from unauthorized access, destruction, use, modification, or disclosure.

(b) Subject to all of the requirements of subdivision (a), if a connected device is equipped with a means for authentication outside a local area network, it shall be deemed a reasonable security feature under subdivision (a) if either of the following requirements are met:

- (1) The preprogrammed password is unique to each device manufactured.
- (2) The device contains a security feature that requires a user to generate a new means of authentication before access is granted to the device for the first time.

Firmware Installation: The standard convention of installing asarm, usrarm, ramdisk.gz and kernel must be followed.

- **New Web Pages**
 - No Password

AcquiSuite - Data Acquisition Server

[Click here for Password Setup](#)

After clicking here for Password Setup ...

Welcome to the AcquiSuite

Please set the "admin" password

Enter password:

(max length: 63 characters)

Retype password:

Allow "admin" password to be reset from the front panel

If you forget your "admin" password you can reset it from the front panel's Advanced menu. Only enable this if the unit is installed in a physically-secure location.

- Once a Password has been set.

AcquiLite - Data Acquisition Server

[Click here to Enter](#)

After clicking to enter ...

Welcome

Information for user: **admin** (Administrator Account)

Connection from: [192.168.224.150]
Browser is: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/79.0.3945.88 Safari/537.36

Recommendations:
⚠ [The AcquiLite name, location, description, and contact should be configured.](#)

Modbus device alarm status:
✔ 1 device found, no alarms or errors.

Current time: 15:14:31 up 19 min, Load average: 0.02, 0.02, 0.03

wtmp begins Wed Jan 8 15:13:24 2020

Security -> Admin page has been revised.

Login Settings

Username: admin
Realname: "Administrator Account"

Access Rights:
User 'admin' may modify all system settings.

Allow administrator password to be reset from the front panel

- **New drivers** - Added support for Leviton Series 7000 and 7100 branch circuit power meters.
 - "Leviton, 70D48-000"
 - "Leviton, 70N48-000"
 - "Leviton, 71D48-000"
 - "Leviton, 71N48-000"
 - "Leviton, 71D12-000"
- **Other Fixes:**
 - Fixed the annoying "Exitcode 0 from zcat" message in logexport.cvs files.