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FXM1100 Software v2.00.01

AlphaTechnologies is pleased to announce the release of our newest software for FXM1100, version 2.00.01.

Compatibility:

This software is intended for and tested with FXM1100.

FXM1100 currently running software V1.07 or later can be upgraded to V2.00.01 either via RS232 using FXM Programmer, or on the web – Ethernet Card must be upgraded with V2.00.01 in order to support .fbn upgrades.

FXM1100 units currently running software lower than V1.07 must be upgraded with V2.00.01 via RS232 using FXM Programmer. Ethernet Card should be upgraded AFTER FXM upgrade. Upgrading Ethernet Card software prior to upgrading FXM will cause loss of connection between FXM and Ethernet Card.

To take advantage of the new features related to Inverters in this software, the Ethernet Card must also be upgraded to V2.00.01.

New Features and Improvements:

- First FXM software release that uses the same .fbn file to upgrade via RS232 or web. This file can be used to upgrade ALL FXM1100 units (blue or green LCD screen with any FXM1100 software installed).
- Added ability to disable the inverter on the LCD or web interface. When the inverter is disabled, the FXM will not switch to inverter mode when AC line is lost. Also the inverter cannot be manually turned on, until the inverter is re-enabled.
- Added ability to set **Line Qualify Time** to a maximum of 15 minutes, both on LCD control menu and web interface.
- Added **Inverter Off** action to the list of user input actions, available on the web interface.
- Added ability to set Low Voltage Warning (Vdc) on web interface when Bulk charger is selected. This setting is similar to Low Battery Warning (%), which is available when Standard charger is selected.
- Added new DC Overload alarm. When a battery string is charging, the status of the battery voltage is checked every three minutes. An alarm is generated if the battery voltage continues to drop while charging.

- Add option to reduce the boost/buck thresholds in AVR mode and increase the line/inverter thresholds in Power Quality mode. This is configurable in both web interface and LCD screen.
- The battery max and float voltages can be modified from LCD any time (same as from the web interface).
- **Automatic Frequency Detection** is configurable.

Known Issues:

- FXM1100 units that have software lower than V1.07 installed, or software V1.07.7X and V1.08.7X installed will not display Battery Breaker Open alarm after upgrading to V2.00.01.
- Inverter Enable/Disable feature behavior is undefined if you try to Disable inverter and turn it On at the same time from the web Inverter Control interface while FXM is in Standby mode.
- The IP address displayed on the LCD status menu is static. If you configured your Ethernet Card to acquire FXM IP address automatically, then you will NOT be able to see the dynamic IP on the LCD menu.

Upgrading FXM1100 software to V2.00.01

To check your FXM/Micro software version go to [UPS Specification -> FXM SW Version](#) or scroll through the LCD status menu.

NOTE: Web upgrades are not allowed while the FXM is running in inverter mode. This restriction prevents power loss to your equipment as upgrades require the UPS to reset.

Upgrading FXM1100 software from a version earlier than V1.07 or units with retrofit versions(1.0X.70 or 1.0X.71) to V2.00.01

FXM1100 units currently running software lower than V1.07, V1.07.70, V1.08.70, V1.08.71, or V1.08.72 can only be upgraded to V2.00.01 via an RS232 interface using the FXM Programmer application. AFTER upgrading the FXM software, upgrade the Ethernet card. (Future upgrades can be done on the web.)

1. Install FXM Programmer (a new application that supports serial upgrades using .fbin files) from www.alpha.ca/downloads page.
2. First, use FXM Programmer via the RS232 interface to upgrade FXM1100 software to V2.00.01.
3. Next, upgrade your Ethernet card with latest V2.00.01 to enable all the new features.

Upgrading FXM1100 software from version V1.07 or later to V2.00.01

An FXM1100 currently running software V1.07, V1.07.01, V1.08, V1.08.01, V1.08.02 or V1.08.03 can be upgraded to V2.00.01 either via an RS232 interface using FXM Programmer, or on the web. See the previous section to upgrade via RS232.

To upgrade using the web interface, you must have Ethernet card software V2.00.01 installed (supports .fbin files).

1. Check version of Ethernet card software installed: **UPS Specification -> Com Module SW Version.**
2. If necessary, download the latest Ethernet Card software at www.alpha.ca/downloads.
3. Use web interface to upgrade FXM1100 software to V2.00.01.

Upgrading FXM1100 software from V2.00.01 to a later release

Upgrade FXM1100 units using RS232 or web interface.

To upgrade via RS232:

1. Install FXM Programmer from www.alpha.ca/downloads page.
2. Follow FXM1100 software upgrade procedure described in the Readme file for FXM Programmer.

To upgrade on the web:

1. Check software version of Ethernet card: **UPS Specification -> Com Module SW Version.**
2. Upgrade Ethernet card if necessary to the latest V2.00.01:
Upgrade Files -> Upgrade Com Module
3. Once you have the latest Ethernet Card software installed, log onto the web interface, and select **Upgrade Files -> Upgrade FXM Firmware.**
4. Browse to the location of the .fbn file for the upgrade, and then click on **Send File**. Wait for the upgrade to finish and verify that latest software version is running.

You have now successfully upgraded the Alpha FXM1100.