



PM5560_PM5563 Firmware Revision History

Summary of Production Releases for PM5560_PM5563

Release Version	Date	Reset System	Download System	Operating System	Language File	FPGA System	Comms System	DLF3000 File Name	Upgrade File Name
2.3.0	3/14/2016	2.3.0	N/A	2.3.0	2.6.0	2.0.3	2.3.0	N/A	PM5560_PM5563_v2.3.0.zip
2.2.1	10/27/2015	2.2.1	N/A	2.2.1	2.1.0	2.0.3	2.2.1	N/A	PM5560_PM5563_v2.2.1.zip
2.2.0	10/06/2015	2.2.0	N/A	2.2.0	2.1.0	2.0.3	2.2.0	N/A	PM5560_PM5563_v2.2.0.zip
2.1.0	05/05/2015	2.1.0	N/A	2.1.0	2.0.1	2.0.3	2.1.0	N/A	PM5560_PM5563_v2.1.0.zip
2.0.1	03/03/2015	2.0.1	N/A	2.0.1	2.0.1	2.0.3	2.0.1	N/A	PM5560_PM5563_v2.0.1.zip
01.01.0000	10/06/2014	01.01.0000	N/A	01.01.0000	N/A	N/A	N/A	PM5560_ver_1_01_0000.fw	N/A
01.00.0004	07/03/2014	01.00.0004	N/A	01.00.0004	N/A	N/A	N/A	PM5560_63_ver_1_00_0004.fw	N/A
01.00.0003	02/05/2014	01.00.0000	N/A	01.00.0003	N/A	N/A	N/A	PM5560_63_ver_1_00_0003.fw	N/A
01.00.0002	08/21/2013	01.00.0000	N/A	01.00.0002	N/A	N/A	N/A	PM5560_63_ver1002.fw	N/A

Version Number	Changes Since Version:	Description of Changes
2.3.0	2.2.1	New Features <ul style="list-style-type: none"> Added BMS Functionality to the PM55xx meters. Fixed Defect <ul style="list-style-type: none"> Corrected issue where the QR Code PF Log 3084 urls were incomplete, the urls now functions properly. Corrected issue where the QR Code KW Log register 3204 where the log contained one too many entries, the log now contains 75 entries.
2.2.1	2.2.0	Fixed Defect <ul style="list-style-type: none"> Corrected issue where the PM5560 could not upgrade to a PM5562 meter.
2.2.0	2.1.0	QR Code Functionality <ul style="list-style-type: none"> The meter now supports Enabling / Disabling of the QR code on the screen via the HMI or Modbus interface. Four demand registers were added to the Data Logs which can be viewed on the Web Page
2.1.0	2.0.1	Power Factor support <ul style="list-style-type: none"> Four (4) new registers were added (two Float32 and two INT16) to provide Power Factor in IEC and Lag/Lead format in the range of +1 to -1. Other <ul style="list-style-type: none"> WebPage: Password hash has SHA-256 with *salt (SALT has been added). Digital input transitions now detected if the device powers up while input transitions are occurring. Improved Maintenance Log: Web Page rollover. MID meters running the new upgrade process will no longer upgrade web pages, and will present an appropriate error message instead. Corrected Semaphore Lost: In regards to Email on Alarm. Improved Datalog wrap around in the circular mode. Removed entry showing the number of “Active Connections” from the Web Page. The user is now notified of an upgrade failure. Will no longer get multiple entries in the maintenance log for a single time sync event.
2.0.1	01.01.0000	New method for firmware upgrades <ul style="list-style-type: none"> There is a new method for upgrading the firmware on your meter and its Ethernet communications system. The new method simply uses FTP to copy files from your computer to the meter's FTP server. The FTP server is accessed using the same login credentials as the meter webpages. NOTE: This method replaces upgrading using DLF3000 software. After you upgrade your meter to 2.0.1 using the FTP method, you can no longer use DLF to perform meter upgrades. Ethernet gateway functionality <ul style="list-style-type: none"> With minimal configuration, the meter can act as an Ethernet gateway. This means that a Modbus master device can communicate using Ethernet through the meter to serial devices connected to the meter's serial port. A Modbus TCP request is sent over the Ethernet to the gateway meter. The gateway meter uses Modbus RTU to forward the request to the downstream device addressed in the packet. When the downstream device responds, the gateway meter forwards the response back to the master. Simple Network Management Protocol (SNMP) support <ul style="list-style-type: none"> The meter can now communicate using SNMP, including SNMP traps. The meter comes preconfigured to communicate a wide range of power measurement parameters via SNMP after you enable SNMP on the meter and load the meter's MIB file into your network management station. TCP/IP filtering <ul style="list-style-type: none"> The meter now has Modbus TCP/IP filtering. This feature lets you specify the Modbus rights for up to 10 unique IP addresses, plus the Modbus access rights for anonymous IP addresses. Updated PM5563 with optional remote display <ul style="list-style-type: none"> The PM5563 DIN-mount meter has been updated to support an optional remote display. Using the remote display provides the PM5563 with the same viewing and configuration functionality as meter models with an integrated display, allowing you to view data from and configure the PM5563 from a more accessible location. NOTE: **You can only use the remote display with PM5563 meters that have the dedicated RJ-25 connection. Email on alarm <ul style="list-style-type: none"> The meter can now send an email or email-to-text message to up to three addresses when alarm conditions are detected. You can configure which alarm types and priorities trigger a message. The message contains information about the alarm and the meter that triggered the alarm. Redesigned and updated webpages <ul style="list-style-type: none"> The meter's default webpages are updated to include more options to configure the meter, including many of the new features.



		Other <ul style="list-style-type: none">• Improved serial and TCP/IP communications.• Faster Modbus TCP/IP response times.• Faster web pages and better navigation.• Improved communications card general performance.• Enhanced DHCP performance on communications card.• Added additional communications card security.• Soft Reset Command resets the communications card as well as meter card.• Fixed an initialization bug in the RTC library.• Digital Output pulse now 20ms .
01.01.0000	01.00.0004	<ul style="list-style-type: none">• The meter now supports two LCD displays (Vitronix and Tianma)• Added QR Code feature to the meter (PM5560)• Added Float32 registers in conjunction with INT64 registers• Input Metering bug fixes• Additional bug fixes
01.00.0004	01.00.0003	<ul style="list-style-type: none">• The system now updates RS code when updating OS code.• Improve RS-485 communications.• Enhance DLF support for daisy-chained meters.• Provide saved Subnet Mask and Gateway settings even when no Ethernet connection is established.• Provide more reliable display of power supply failure message and recovery.• Fixed issue where ftp and http settings were not always applied immediately when saved.• Fixed possible data corruption issue when saving FTP port, HTTP port, or ethernet configuration values.
01.00.0003	01.00.0002	<ul style="list-style-type: none">• Updated Language File
01.00.0002	None	<ul style="list-style-type: none">• First Firmware release