



PowerLogic™ PM5650 Firmware Revision History

Summary of Firmware Releases (Public) for PowerLogic™ PM5650

Release Version	Date	Reset System	Download System	Operating System	Language File	FPGA System	Comms System	Firmware Upgrade Method	Upgrade File Name
4.14.0	May-2026	4.14.0	N/A	4.14.0	3.1.0	2.0.3	4.14.0	Firmware Upgrade Tool / Webpage	Release_PM5650_V4.14.0_Off
4.13.0	Jan-2026	4.13.0	N/A	4.10.3	3.0.1	2.0.3	4.13.0	Firmware Upgrade Tool	PM5650_upgrade_v4.13.0_Release
4.11.0	Dec-2023	4.11.0	N/A	4.11.0	3.0.1	2.0.3	4.11.0	Firmware Upgrade Tool	PM5650_upgrade_4.11.0_off
4.10.3	May-2022	4.10.3	N/A	4.10.3	3.0.1	2.0.3	4.10.3	Firmware Upgrade Tool	PM5650_V4.10.3_UTv3.10_Release
2.11.4	Apr-2022	2.11.4	N/A	2.11.4	2.19.0	2.0.3	2.11.4	FTP	PM5650_upgrade_V2.11.4_Release
2.11.2	Oct-2020	2.11.2	N/A	2.11.2	2.18.0	2.0.3	2.11.2	FTP	PM5650_upgrade_V2.11.2_Release
2.10.1	Mar-2020	2.10.1	N/A	2.10.1	2.18.0	2.0.3	2.10.1	FTP	PM5650_upgrade_V2.10.1_Release



Version Number	Changes Since Version:	Description of Changes
4.14.0	4.13.0	<p>Official public release for 4.14.0 with OS Checksum 0x357B</p> <p>New feature: -</p> <ul style="list-style-type: none">• Addressing Modes: Added support for IPv4-only, IPv4/IPv6 dual-stack, and IPv6-only operation with complete IPv4 disable.• IPv6 Compatibility: All existing meter features now operate over IPv6.• Supports protocols with IPv6 for Modbus TCP, SNMP, FTPS, HTTPS, DPWS, SNTP, and SMTP.• IPv6 Address Scope: Supported IPv6 Link-Local and Global addressing modes.• Device log export functionality available over IPv6. <p>HMI enhancements: -</p> <ul style="list-style-type: none">• Introduced timed display refresh to maintain display integrity and operational reliability. <p>Fixed Defect: -</p> <ul style="list-style-type: none">• The file permission error encountered while downloading waveform COMTRADE binary (.bin) and configuration (.cfg) files through FTP has been fixed.• Fix for Extra Byte Issue in Modbus Exception Responses. Resolved an issue where an extra byte was included in Modbus exception response packets due to incorrect message parsing.

4.13.0	4.11.0	<div><div>Official public release 4.13.0</div><div><ul style="list-style-type: none">Modified Chip Select (CS) pin behaviour for display interface: Default CS state set to high (1). CS is driven low (0) only during data transmission.During power up display RST pin signals timings updatedClock frequency of display SPI is updated to 5.25MHz</div><div><div>Fixed Defect: -</div><div><ul style="list-style-type: none">Resolved issue where the meter IP address incorrectly fell to 255.255.255.255.Fixed problem causing the meter to remain stuck in “waiting for host” during firmware upgrade.Enabled device log export functionality.Fixed data log display issues on the webpage.DNP3 network disconnection issue fixed.PF round off to 1 when PF is more than +/-0.9965 and setting KVAR to zero is removed. Only calculated value of KVAR and PF are available</div></div></div>
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4.11.0	4.10.3	<div><div>Official public release candidate for 4.11.0</div><div>New Features<ul style="list-style-type: none">Stack upgraded from Monaco to mbedtlsCyber security improvements doneWarning banner for webpage as configurableDHCP input parameter is configurable to MACID or DeviceID</div><div><div>Fixed Defect: -</div><ul style="list-style-type: none">Cyber security issues fixedEIP Reset service is disabledDefault LCD type is changed to TIANMA</div></div>
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4.10.3	2.11.4	<p>NOTE:</p> <ol style="list-style-type: none">Once upgraded to version 4.10.x from 2.10.x/2.11.x, you cannot downgrade to 2.10.x/2.11.xFor upgrading to 4.10.x first time from 2.10.x/2.11.x, you must use PM55xx Firmware Upgrade Tool software in the upgrade packageAfter upgrading to 4.10.x first time from 2.10.x/2.11.x, the default password (to set new password) for Administrator account is the meter’s MAC address in UPPER case (For example, for a meter with MAC address 00:80:6B:4C:30:AD, the default password would be 00806B4C30AD) <p>New Feature</p> <ul style="list-style-type: none">HTTP replaced with more secure HTTPS protocol and TLS 1.2 transport layer securityNew webpage design and layoutProduct Configuration via webpages restoredFuture firmware upload now via secure webpage over HTTPS (not via FTP) for better user experienceFirmware binaries now packaged in single .SEDP format fileEncrypted firmware binaries to prevent malicious operation with FWDigitally signed firmware to ensure authenticity of firmware before upgrade and during boot upImproved Role based Access (RBAC) for better user management for the users defining and controlling privileges and rightsImproved Password management: Complex Password mandate -and- no algorithmically generated or hard-coded passwords - helps prevent unauthorized access to product <input type="checkbox"/> Account lockout policy for webpage (after consecutive failed attempts of login) - helps prevent unauthorized access to product <input type="checkbox"/> Secure FTP introduced (FTP is disabled by default), FTP automatic disable timeout is removedLogging of firmware upgrade details and count are increased from 10 to 25. <p>Fixed Defect</p> <ul style="list-style-type: none">Improved handling of “TCP Keepalive” and “Modbus TCP/IP Server Connection Idle Time” configurations
2.11.4	2.11.2	<p>New Feature</p> <p>Added option to configure protocols via Modbus</p>
2.11.2	2.10.1	<p>New Feature</p> <ul style="list-style-type: none">OS Firmware checksum readable over HMI, and via Modbus Register 20533 <p>Fixed Defect</p> <ul style="list-style-type: none">Affecting zero-day vulnerabilities from "Ripple20" in low-level TCP/IP software library developed by Treck, Inc.- Fixed <input type="checkbox"/> BACnet setting not working when the deice ID is 0 - FixedBBMD IP 0.0.0.0 Not accepted in commands even BBMD disabled – FixedHTTP port number value is reset to default value after changed using Modbus commands - Fixed
2.10.1	<input type="checkbox"/> None	<input type="checkbox"/> Initial Firmware release

Summary of Firmware Releases (Public) for PowerLogic™ PM5570



Release Version	Date	Reset System	Download System	Operating System	Language File	FPGA System	Comms System	Analog Input Measurement System	Firmware Upgrade Method	Upgrade File Name
3.1.3	Oct-2020	3.1.3	N/A	3.1.3	2.18.0	2.0.3	3.1.3	3.0.0	FTP	PM5570_Upgrade_V3.1.3_Release
3.1.0	Mar-2020	3.1.0	N/A	3.1.0	2.18.0	2.0.3	3.1.0	3.0.0	FTP	PM5570_Upgrade_V3.1.0_Release

Version Number	Changes Since Version:	Description of Changes
3.1.3	3.1.0	<div>New Feature<ul style="list-style-type: none">OS Firmware checksum readable over HMI, and via Modbus Register 20533<div>Fixed Defect<ul style="list-style-type: none">Affecting zero-day vulnerabilities from "Ripple20" in low-level TCP/IP software library developed by Treck, Inc.- Fixed <input type="checkbox"/> BACnet setting not working when the deice ID is 0 - FixedBBMD IP 0.0.0.0 Not accepted in commands even BBMD disabled – FixedHTTP port number value is reset to default value after changed using Modbus commands - Fixed</div></div>
3.1.0	None	<input type="checkbox"/> Initial Firmware release

Summary of Firmware Releases (Public) for PowerLogic™ PM5660



Release Version	Date	Reset System	Download System	Operating System	Language File	FPGA System	Comms System	Residual Current Measurement System	Firmware Upgrade Method	Upgrade File Name
3.1.3	Oct-2020	3.1.3	N/A	3.1.3	2.18.0	2.0.3	3.1.3	3.0.0	FTP	PM5660_Upgrade_V3.1.3_Release
3.1.1	Mar-2020	3.1.1	N/A	3.1.1	2.18.0	2.0.3	3.1.1	3.0.0	FTP	PM5660_Upgrade_V3.1.1_Release

Version Number	Changes Since Version:	Description of Changes
3.1.3	3.1.1	<div>New Feature<ul style="list-style-type: none">OS Firmware checksum readable over HMI, and via Modbus Register 20533<div>Fixed Defect<ul style="list-style-type: none">Affecting zero-day vulnerabilities from "Ripple20" in low-level TCP/IP software library developed by Treck, Inc.- Fixed <input type="checkbox"/> BACnet setting not working when the deice ID is 0 - FixedBBMD IP 0.0.0.0 Not accepted in commands even BBMD disabled – FixedHTTP port number value is reset to default value after changed using Modbus commands - Fixed</div></div>
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3.1.1	Mar-2020	3.1.1	N/A	3.1.1	2.18.0	2.0.3	3.1.1	3.0.0	FTP	PM5760_Upgrade_V3.1.1_Release
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Version Number	Changes Since Version:	Description of Changes
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3.1.1	None	<input type="checkbox"/> Initial Firmware release

NOTES:

Firmware version numbering system: xx.yy.tttt

Per CR34 xx = Major (Hardware changes, etc.) yy = Minor (feature add, etc.) tttt = Quality (bug fixes, etc.)