

# PowerLogic™ ION9000 firmware version 4.7.1

Firmware version 4.7.1 (V004.007.001) for the PowerLogic™ ION9000 includes new features and changes that enhance the functionality and security of your meter.

We recommend that you upgrade your device to this firmware version.

**Release date:** March 2026

**Download link:** [ION9000 series firmware release download page](#)

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## What's new

This section lists what's new in firmware version 4.7.1.

### MQTT

MQTT (Message Queuing Telemetry Transport) is a lightweight messaging protocol used for data exchange between your meter and external systems.

Key benefits:

- Publishes samples from up to 30 sources per update.
- Publishes data using TLS encryption and optional authentication to the broker.
- Uses QoS 0 publishing (no confirmation)—ideal for high-speed communications.

Learn more:

- For more information on how to configure MQTT, see the PowerLogic™ ION9000 series User Manual on [www.se.com](http://www.se.com).
- For more information on the MQTT Export Module, see *ION Reference*, available on [www.se.com](http://www.se.com).

## Subsynchronous oscillation monitoring

Subsynchronous oscillation monitoring helps identify oscillations below the power system's fundamental frequency. Subsynchronous oscillations can affect system stability. Use subsynchronous oscillation monitoring to help detect events and trigger actions, such as recording waveform captures or publishing data using MQTT.

Key benefits:

- Identifies the ten highest-magnitude frequency components below 50 Hz.
- Updates calculations approximately every second using the last 10 seconds of data.
- Lets you configure frequency groups to focus on frequencies that are most relevant to your system.

Learn more:

- For more information on how to configure subsynchronous oscillation monitoring, see the PowerLogic™ ION9000 series User Manual on [www.se.com](http://www.se.com).
- For more information on the Subsynchronous Oscillation Module, see *ION Reference*, available on [www.se.com](http://www.se.com).

## Restart the meter using the display

You can now restart the meter using the device display.

**NOTE:** Only users with security configuration access can restart the meter using the display.

Learn more:

- For more information on how to restart the meter using the display, see the PowerLogic™ ION9000 series User Manual on [www.se.com](http://www.se.com).

## 6 digital output option module support

Adds support for the 6 digital output option module.

The 6 digital output option module expands your meter's capabilities by providing six additional configurable digital outputs.

**NOTE:** Firmware version 4.7.1 or later is required to use the 6 digital output option module with your meter.

Learn more:

- For more information on how to set up the option module digital outputs, see the PowerLogic™ ION9000 series User Manual on [www.se.com](http://www.se.com).

## Before upgrading

- Back up all meter data.
- Install ION Setup v3.2.26041.03 or later.

Learn more:

- For details on what to back up in your meter and how to get the latest ION Setup, see "Meter firmware upgrade prerequisites" in the PowerLogic™ ION9000 series User Manual.

## Firmware upgrade procedure

For details on how to upgrade the meter firmware, see the PowerLogic™ ION9000 series User Manual on [www.se.com](http://www.se.com).

## More information and resources

Visit [www.se.com](http://www.se.com) to download:

- The firmware upgrade files.
- The latest template and webpage files.
- The latest user manual, technical datasheets, and installation guides.