

Software Release Note

8 July 2025

PowerXpert

Overview

Anritsu maintains a policy of continuous development and enhancement of software. This Software Release Note defines the latest enhancements in software version 3.51 of the PowerXpert software application.

Software version 3.51 and the User Guide can be downloaded from the Anritsu web site:

<http://www.us.anritsu.com>

Note:

Please consult PowerXpert User Guide 10585-00020 before performing an upgrade.

Change History

Changes in 3.51 relative to 3.50

The PowerXpert software application has been updated with the following:

- Fixed comma regional settings issue.
- Fixed MS24105A disconnection error.
- Fixed graph not showing when regional format is set to Poland.
- Added VSWR to main screen for MA24103A/MA24105A.

Changes in 3.50 relative to 3.49

The PowerXpert software application has been updated with the following:

- Added support for new MA24103A inline USB Power Sensor.
- Added Single sensor display for MA24103A sensor.
- Added support for setup save/recall for MA24103A sensor.

Changes in 3.49 relative to 3.48

The PowerXpert software application has been updated with the following:

- Added support for saving current PVT graph data to a .csv data file.

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Changes in 3.48 relative to 3.46

The PowerXpert software application has been updated with the following:
Added latest board ID support for MA245xxA.

Note: 3.47 did not have a public release

Changes in 3.46 relative to 3.44

The PowerXpert software application has been updated with the following:

- Fixed an issue where Windows 10 would use improper font in some PowerXpert display windows.

Note: 3.45 did not have a public release

Changes in 3.44 relative to 3.43

The PowerXpert software application has been updated with the following:

- Added support for MA24510A
- Improved compatibility with Windows 10

Changes in 3.43 relative to 3.42

The PowerXpert software application has been updated with the following:

- Updated minimum Span value for setting validation.
- Enhanced user input data validation for numeric settings.
- Fixed “Apply Above Setting” button not available for Measurement Hold for MA24350A sensor.
- Fixed issues in changing settings to default value on factory reset.
- Fixed GUI display issue and connection drop issue when switching mode.

Changes in 3.42 relative to 3.41

The PowerXpert software application has been updated with the following:

- Added support for new revision of MA24500A Power Analyzer hardware

Changes in 3.41 relative to 3.40

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The PowerXpert software application has been updated with the following:

- Added support for MA24500A mmWave Power Analyzers.
- Added Power Hunter mode exclusively for MA24500A models
- Added Channel Monitor mode exclusively for MA24500A models

Changes in 3.40 relative to 3.3

The PowerXpert software application has been updated with the following:

- Added support for MA24330A, MA24340A, Ma24350A USB sensors

Changes in 3.3 relative to 3.2

The PowerXpert software application has been updated with the following:

- Fixed communication error when an MA242x8A sensor is disconnected and another connected while PowerXpert is in List Mode
- Fixed error where graph area does not switch properly when recalling setups while in List Mode
- Fixed communication error with MA24106A when in HAT mode
- Set PowerXpert to automatically set step detect to ON when an MA242x8A sensor is connected (note: Firmware 1.4 or higher for the respective sensors automatically sets Step Detect to OFF when powered up)

Changes in 3.2 relative to 3.1

The PowerXpert software application has been updated with the following:

- Added List Mode for MA24208A and MA24218A
- Added Step Detect for MA24208A and MA24218A

Changes in 3.1 relative to 3.0

The PowerXpert software application has been updated with the following:

- Updated the power display unit to nW for MA24208A and MA24218A
- Added trigger hold off functionality for MA24208A and MA24218A
- Fixed firmware update issue with MA24104A and MA24106A
- Fixed trigger menu layout issues in Japanese OS
- Fixed issue with trigger delay box not resetting to factory settings

Changes in 3.0 relative to 2.14

The PowerXpert software application has been updated with the following:

- Compatibility with Windows 8 (32- and 64-bit)

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- Installation application has been created using InstallShield, which will remove and replace older PowerXpert versions automatically going forward. However, during the initial installation of PowerXpert 3.0, users may have to manually remove 2.14 or older versions.
- Support for new sensor models MA24208A and MA24218A. This includes all of the features and functionality of the MA24108A and MA24118A sensors as well as the following new features and functionality
 - Continuous average buffering
 - Trigger hysteresis, replaces noise immunity used with MA24108A and MA24118A
 - Enhanced modulation setting – For experienced/advanced users only
 - New firmware upgrade utility (for MA24208A and MA24218A only)
- Assorted bug fixes, including
 - Unhandled exception: Under General Settings > Offset (dB), if a non-numeric value was entered the application would crash when the user pressed “Apply Above Settings”.
 - “Zeroing 1” message did not clear after successful zero.
 - Selected modes did not always display properly
 - Under the Help menu, the Contents and Index links took users to a blank page.
 - When manually setting the vertical scale for the display, incorrect units and/or measurement type reference were sometimes displayed.

The PowerXpert and USB Power Sensor User Guide has also been updated to reflect these changes.

Changes in 2.14 relative to 2.13

The PowerXpert software application User Guide has been updated with the following information:

- The PowerXpert software application will warn users that they may encounter communication issues between Anritsu USB power sensors and USB 3.0 ports. It is suggested that USB 2.0 or older ports are used.

Changes in 2.13 relative to 2.12

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The PowerXpert software application User Guide has been updated with the following information:

- Relative mode has been clarified for MA24105A.
- The averaging function has been clarified for MA24105A.
- The NPWR? command has been documented for use with MA24106A.
- The AVGCNT and AVGCNT? Commands have been documented for use with MA24105A.

Changes in 2.12 relative to 2.11

The PowerXpert software application User Guide has been updated with the following information:

- Firmware upgrade process improved.
- Functionality added to recover a sensor from upgrade mode should a disruption in the upgrade process occur. User guide updated with the following information:
 - Firmware upgrade instructions
 - MA24105A PWR? Command remarks
 - .Net framework 3.5
 - Obsolete sensor MA24104A related information removed
 - MA24106A communication issue fixed.

Changes in 2.11 relative to 2.0

Support added for sensor model MA24105A.

Changes in 2.0 relative to 1.0

The PowerXpert software application User Guide has been updated with the following information:

- Support added for sensor models MA24104A, MA24106A and MA24126A
- Compatibility with Windows Vista (32 bit and 64 bit), and Windows 7
- Continuous Average Mode
 - Measurement HOLD/RUN added for all the sensors.
- Scope Mode
 - Gates and Fences can be dragged with mouse now, hence made interactive.
- Tools menu
 - Zero all sensors item added

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- Performs zero operation on all the sensors connected to PowerXpert
- Capture screen
 - Captures PowerXpert screen in .bmp, .jpg, .png or .tiff format
- Multiple sensor display
 - PowerXpert 2.0 supports simultaneous display of eight different sensors.
The sensors do not necessarily need to have the same model number.
The sensors can be operated in any of their respective supported modes.
The sensor parameters can be set up by selecting the sensor in “Sensor Information”.
- Offset Table
- Offset table available with MA24104A and MA24106A only
- Settings menu
 - Secure Mode
 - Deletes all the user defined setups
- Help menu
 - Added Contents and Index
- Added updated drivers for all supported sensors.

Rev 1.0

Initial release