



Power Genius XL™ Release Notes – Version 3.8.4

September 6, 2023 (revised September 28, 2023)

Power Genius XL version 3.8.4 is a maintenance release for use with all Power Genius XL (PGXL™) amplifiers.

Power Genius Firmware Updates (version 3.8.4)

ICOM CAT Now Recognizes the “data” Flag

The amplifier now recognizes the “data” flag in ICOM CAT messages. If the ICOM exciter is configured to transmit in a “data” mode such as upper sideband (USB) for FT8, the amplifier will interpret the corresponding CAT mode message as a data transmission rather than an SSB transmission.

FLEX-6000 Radio Interface is Off when no Flex-6000 is Active

If no Flex radio is configured in the amplifier's interface, the Flex subsystem in the amplifier firmware is disabled.

RF EARLY Alarm

When the amplifier is operated by non-Flex exciters if an RF signal is detected by the amplifier after the PTT signal is raised, but before the minimum transmit delay time (20ms) has elapsed, an **RF EARLY alarm** will be displayed on the front panel. This serves as a warning that the exciter/amplifier system is not configured correctly.

More Complete Error/Status Messages Sent to FLEX-6000 Radios

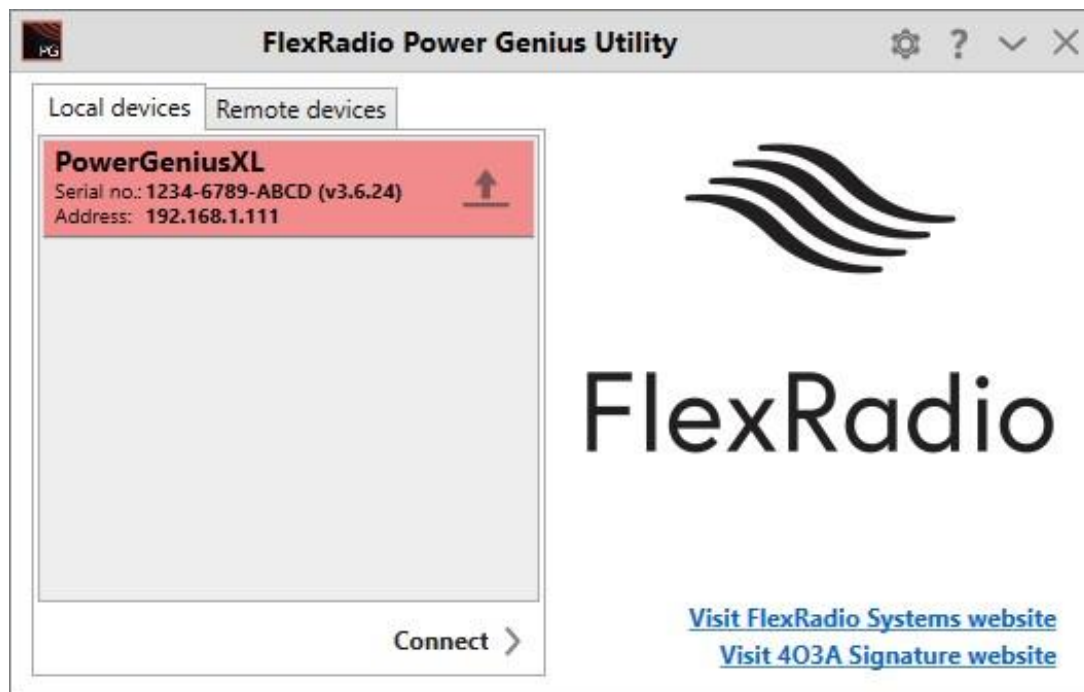
This version of the firmware sends more complete status and error messages to Flex radio exciters than previous versions. These messages should help in understanding configuration and error conditions when they arise.

Significant Operational Differences

NOTE: The format of data stored in the PGXL's internal database has been modified to support new features and capabilities. The new database schema is no longer backward compatible with older versions of the PGXL firmware. If you are currently running a version of the PGXL firmware that is v3.6 or below, you must first upgrade the PGXL firmware versions 3.7.28 or v3.7.32 before upgrading to version 3.8.4 or greater. The PGXL v3.7.28 and v3.7.32 perform a database schema conversion that makes it compatible with all future versions of the PGXL firmware.

Power Genius Windows Utility (version 3.8.4)

Unified Windows Utility and PGXL Firmware Releases – You must install the Power Genius Utility v3.8.4 to upgrade the firmware in the Power Genius XL amplifier. After starting the updated PGXL Utility, if the program finds that the firmware installed in the amplifier is out of date a screen like the following will be shown. When selected, the firmware upgrade dialog box is displayed to start the firmware update.



Caution: Never run earlier versions of the Power Genius Utility with new Power Genius XL firmware. Before installing the latest release of the Power Genius Utility, you should remove any earlier versions of the Power Genius Utility from all PCs on your network. This includes version v2.2.10 and below. Connecting an older version of the Power Genius Utility to a Power Genius XL amplifier can result in unexpected and unreliable behavior.

Starting with the Power Genius Utility v3.5.32 and greater, the newer version of the Power Genius Utility installer will automatically uninstall the earlier version of the Power Genius Utility.

Known Issues

1. Running an earlier version of the Power Genius Utility with a later version of the Power Genius XL firmware can result in unexpected and unreliable behavior. If this occurs, please shut down the older Power Genius Utility, remove it from your PC, and then power off the Power Genius XL amplifier. After the Power Genius XL has shut down, restart it and connect with the correct version of the Power Genius Utility.
2. The Power Genius Chart feature is not 100% functional. The Power Genius Utility Chart feature has known issues and is not 100% functional in this release of the Power Genius Utility.

Power Genius XL Documentation Available on www.flexradio.com

The most current documentation and quick start guides for the Power Genius XL are available as a convenient download from the FlexRadio website

[Power Genius XL Documentation and Software](#)

Obtaining Technical Support

If you encounter any issues with your Power Genius XL, please use our online [Community](#) to search for information about SmartSDR and the FLEX-6000. If you need assistance using the Community, please refer to the [Community Message Board](#) for additional information.

If you are unable to find an existing answer to your issue via the Community, please contact FlexRadio Technical Support by opening a [HelpDesk support ticket](#) online.

For details on how to submit a HelpDesk support ticket, please refer to the HelpDesk article How to Submit a [Request for Technical Support](#).

Hours of Operation: Our Technical Support engineers are available Monday-Friday from 7:00 AM-4:00 PM Central Time. If you open a HelpDesk ticket after business hours, on a holiday, or weekend, we will respond to your request for assistance during regular business hours in the order your HelpDesk ticket was received.

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