



## Power Genius XL™ Release Notes – Version 3.7.28

January 3, 2023

Power Genius XL v3.7.28 is a feature release for use with all Power Genius XL (PGXL™) amplifiers.

### Power Genius Firmware Updates (version 3.7.28)

#### TouchScreen Configuration

PGXL 3.7.28 introduces a front panel touchscreen configuration tool to support all makes and models of exciter transceivers. In addition to the PGXL Utility program, which runs on Windows™, the PGXL can now be configured using simple front panel touchscreen commands. No external computer is necessary to make the amplifier ready for use.

#### Remote Operation of the PGXL Utility Program

Starting with PGXL 3.7.28, the PGXL Utility program can be configured to control the amplifier from a remote location. It is no longer necessary for the PGXL Utility program to be in the Local Area Network with the amplifier.

#### Simplified CAT Interface

The CAT interface configuration tools have been simplified so that six choices of CAT language implementation cover all makes and models of exciter transceivers.

#### Complete Implementation of the CAT Interface

The CAT interface has been implemented for all makes and models of exciter transceivers, including full implementation for Icom™ transceivers. Both band and mode data are transferred from the exciter to the amplifier.

#### Band Data Source Selection, Manual and Automatic

Band data sources can be selected manually or automatically. In manual mode, the default, the operator selects the source for band data (FLEX, CAT, CI-V, BCD, PIN, RF SENSE, or MANUAL). In automatic mode, the amplifier chooses the input based on which is active.

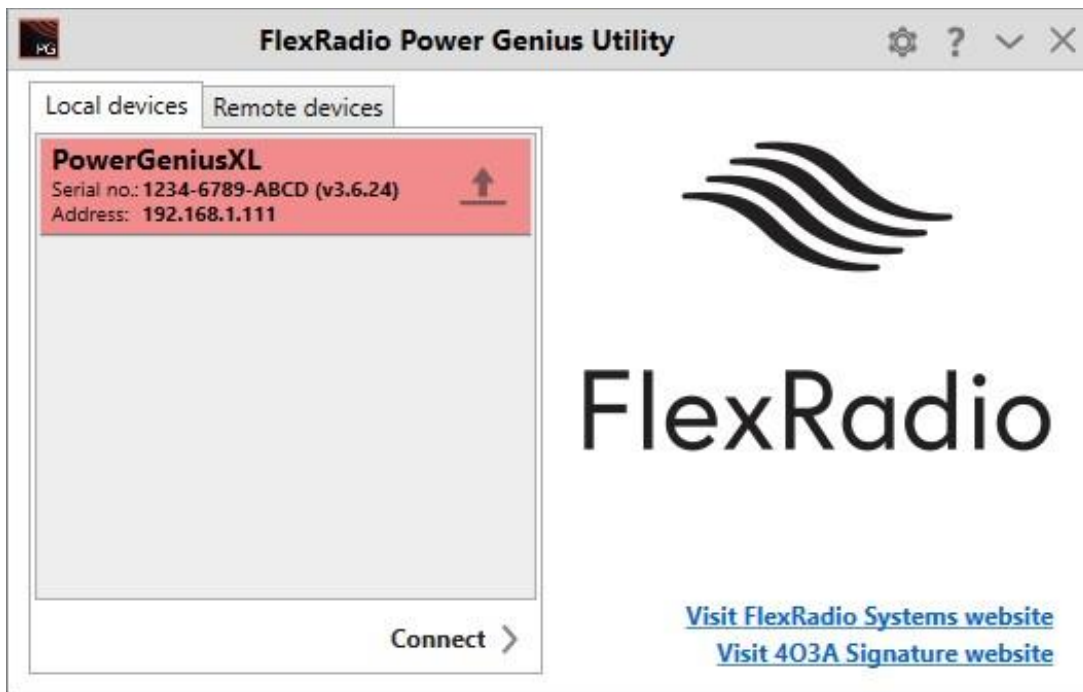
The amplifier's source of band data information is now directly controlled by the operator. When no band data source has been configured, the amplifier will operate as before, it will select any source that offers information. When a band data source has been configured, the amplifier will use that source exclusively until the source is changed by the operator. This can be done via the Windows Utility program or the front panel touchscreen. Select the band data source by right-clicking on the Band Information box in the front panel presented by the Utility program, or by touching the band information box on the front panel.

## Significant Bug Fixes

- Amp misreads supply voltage and runs in 120 VAC mode
- Smoother selection of PSU On/Off and Voltage changes
- More accurate reporting of peak and average output power
- APC less likely to trip on short power spikes

## Power Genius Windows Utility (version 3.7.28)

**Unified Windows Utility and PGXL Firmware Releases** – You must install the Power Genius Utility v3.7.28 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 will be addressed in a subsequent release of the Power Genius XL Utility.

## Power Genius XL Documentation Available on [www.flexradio.com](http://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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