



Power Genius XL™ Release Notes

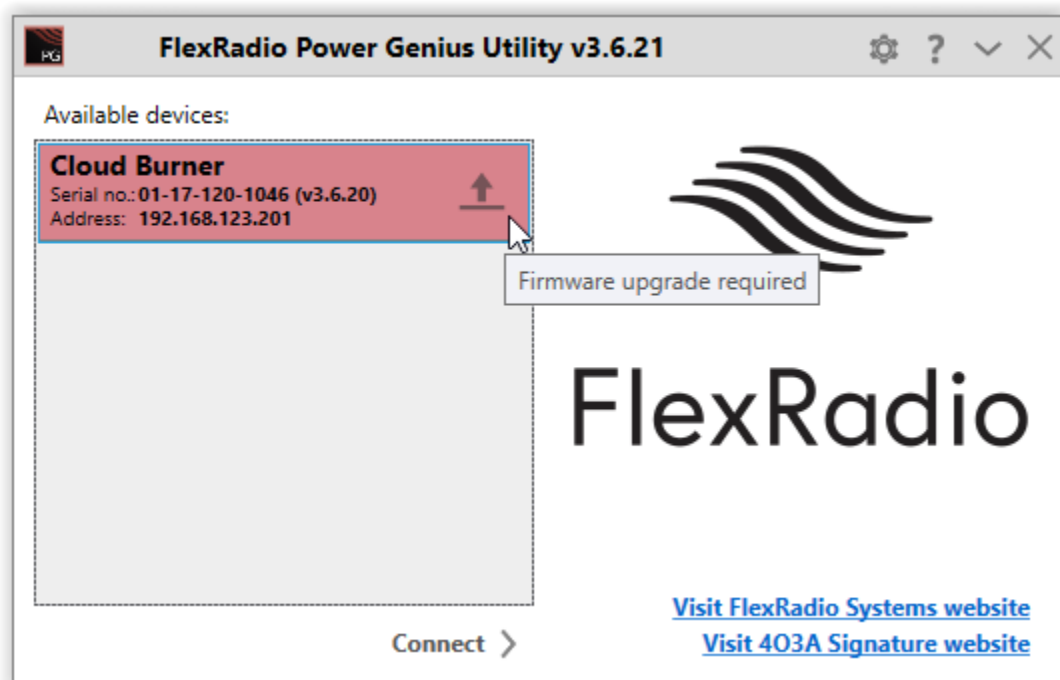
August 6, 2021

A general release for use with all Power Genius XL (PGXL™) amplifiers.

The focus of this release is improving the metering functions, internal optimizations, and the release of the unified Power Genius Utility.

Power Genius Windows Utility (version 3.6.21)

Unified Windows Utility and PGXL Firmware Releases – Starting with version 3.6.21, the Power Genius XL firmware will be packaged with the Power Genius Utility, so there will no longer be any standalone firmware binaries. When starting the updated PGXL Utility, once the amplifier is shown in the Chooser, if the amplifier's firmware is out of date, it will be displayed with a red background and a firmware upgrade icon (see below). When selected, the firmware upgrade dialog box is displayed to initiate the firmware update.



Radio Interface Enable/ (Disable) Option – The Power Genius Utility program now offers an Enable check box on each of the radio configuration screens. When an interface is enabled in the Power Genius Utility, the amplifier will accept data on the interface. When unchecked or disabled, the amplifier ignores the interface. This feature allows the user to set up several configurations by simply turning the interface on or off as desired. It is not recommended to have all four interfaces enabled at the same time; only enable the exciter interfaces that are currently active.

Power Genius Firmware Updates (version 3.6.21)

Metering Improvements – A principal focus of effort in this release was to improve the performance of the amplifier’s metering sub-system. The front panel, Utility, and SmartSDR meters now show improved accuracy and responsiveness. The Power and SWR meters now operate in two modes, one for SSB (and other voice modes) and one for CW and Digital. In voice modes, the meters capture and hold peaks, while in CW modes the meters show continuous power. All three metering displays have been reconciled to behave as much alike as is currently practical.

MEffA Caption Enhancements – The MEffA caption on the front panel display has been improved to show the three states of operation. When MEffA is off, no caption appears. When MEffA is on and the amplifier is operating in class AB, the caption appears in red lettering. When MEffA is on, but the amplifier is operating in class AAB, MEffA is not active, and the caption appears dimmed.

PGXL Utilizes the FLEX-6000 Region – The amplifier is designed for use around the world, where limitations such as the allowable transmit frequency. FLEX-6000 Signature Series radios include a region setting for this purpose. Starting with this version of the amplifier firmware, the amplifier sets its maximum allowable power output based on the FLEX-6000 operating region.

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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