Axe-Fx II Quantum Firmware Release Notes

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1.02

Added "Deluxe Verb Nrm" amp model based on the Normal channel of a Fender Deluxe Reverb. The existing Deluxe Verb model has been renamed "Deluxe Verb Vib" to distinguish that it is modeled on the Vibrato channel.

Added "Double Verb Nrm" amp model based on the Normal channel of a Fender Twin Reverb. The existing Double Verb model has been renamed "Double Verb Vib" to distinguish that it is modeled on the Vibrato channel.

Added "Super Verb Nrm" amp model based on the Normal channel of a Fender Super Reverb. The existing Super Verb model has been renamed "Super Verb Vib" to distinguish that it is modeled on the Vibrato channel.

Added "Bludojai Ld 2" amp model based on a Bludotone Ojai with PAB off. The existing Bludojai Lead amp model has been renamed "Bludojai Ld 1" and is based on the Ojai with the PAB on.

Added "Double Verb SF" based on the Vibrato channel of a 1971 "Silverface" Fender Twin Reverb.

Added "Plexi 50W 6550" based on the High input of a 1972 50W Marshall "Plexi" with 6550 power tubes.

Added "FAS Hot Rod" amp model.

Replaced factory cabinets 54-56 with selected UltraRes™ IRs from ML Sound Lab's "ML Brit 4x12" collection. If you enjoy these IRs you may purchase the entire collection from our online store.

Added "FAS Boost" Drive type. This is a cleanish boost great for boosting vintage amps like Plexis.

Added "Deluxe Mind Guy", "Mono BBD", "Stereo BBD" and "Lo-Fi Tape" types to Delay block.

Fixed unable to select Mixer X/Y state from Page 2 of edit menu.

Fixed wrong Drive pot wiring and default Preamp Bias value in Dizzy V4 Blue 3 and 4 amp models.*

Fixed wrong default Preamp Comp value in all Dizzy V4 models.*

Fixed wrong default power tube bias value in Mr Z MZ-8 model.*

Fixed several errors in the Bogfish models.*

Fixed wrong Drive pot value in Shiver Lead model.

Fixed System backup/restore not working correctly on Mark I/II models.

Fixed Fetch Backup Preset and Fetch Factory Preset not working properly on Mark I/II models.

Fixed Bit Reduction parameter not listed for Sweep Delay type.

*Note: Existing presets using these amp models should be reset by deselecting and reselecting the desired amp model.

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1.01

Fixed sending IR to a scratchpad location does not update if using Cabinet 2.

Fixed several mistakes in Herbie models.

Fixed timeout when backing up system data if preset has high CPU usage.

Improved CPU usage.

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1.00

This is the initial release of our "Quantum" firmware. Quantum represents a milestone in amplifier modeling technology. Our new Real-Time SPICE (RTS) algorithms offer a degree of accuracy not found in any other product. Below are the significant changes/additions from the previous non-Quantum firmware.

Added "Dephase" control to Cabinet block. This parameter controls a sophisticated process that removes the "phasiness" from IRs and can yield a more "in the room" experience.

New RTS triode models. There are three new triode models based on our new algorithms: 12AX7A (default), ECC83 and 7025. The previous models are still available and may be selected with the Pre Tube Type parameter. Note that the models have all shifted and if you were using a model other than default previously you will need to adjust your preset to the desired model.

The "CF Comp" parameter has been renamed "Preamp Comp" to better explain its function.

Added new Preamp Compressor Type "Comp Type" parameter to amp block. There is a new menu page that contains Preamp Comp, Comp Type, Dynamics, Preamp Bias and Output Level (the last repeated from other menus for convenience). Preamp Comp Type selects between "Authentic", which accurately models the compression in a tube amp, and "Ideal" which is an idealized distorting compressor. The idealized type is more focused and has tighter bass whereas the authentic type is bolder and looser. High gain players may prefer the ideal type due to its tight character.

Added a new mode to the "Character" controls in the Amp block. A Char Type of "Dynamic" engages an exciting new mode of tone control. This can be used to fatten or scoop the tone as a function of picking strength. For example, set

the Type to Dynamic, Char Freq to 450.0, Char Q to 0.7 and Char Amt to 4.0. This will cause the tone to get fatter and thicker as you play hard but without getting honky when playing soft.

Added four "JMPre-1" models based on a Marshall JMP-1 rack preamp. The existing "Brit Pre" model was not changed as it is used by several prominent "A-list" artists. Instead, four new models were added. The models with "BS" in the name indicate that the Bass Shift function is engaged. Note that the model defaults to the power amp simulation active. The power amp model is based on a typical Marshall 100W power amp of that era.

Added 512 more User Cab slots to XL and XL+ models.

Added 20 new Cabinet models (XL and XL+ versions only) from our Universal Noise Studios 4x12 cabinet pack. These IRs are specifically intended to be used in mixes "in the box". Mix two IRs from each cab for a myriad of sonic textures.

Fixed Dry Delay Shift parameter not working in Flanger block. The parameter has been renamed to Dry Delay and works differently (and more intuitively). The parameter now sets the delay time of the dry signal as a percentage of the maximum delay time of the wet signal. For classic thru-zero flanging this parameter should be set to 50%. For interesting new sounds experiment with lower or higher values. Note that this parameter has no effect if Through Zero is set to Off.

Fixed smallest LCD font having a smiley face for left bracket character.