

AmpliFIRE 6.0
Release Notes
for
AmpliFIRE, AF6 & AF12

This firmware and editor have been tested rigorously both internally and by our beta team. As always, however, it is HIGHLY recommended that you back up your presets/settings before proceeding. In the unlikely event that something goes wrong during the update and your presets are comprised you'll be very happy that you did. Regardless of whether your updating or not, backing up your unit is good practice and should be done when significant changes have been made.

Updating to the latest firmware version is easy. Just follow these steps:

- **BE SURE TO USE A PROPER POWER SUPPLY! Not doing so could damage your AmpliFIRE during the update process.** Use the factory power supply or a power supply that meets these specifications: 9 or 12 volt power supply (DC or AC, either polarity), 1A minimum . Accepts a standard 2 .1mm coaxial plug (either polarity).
- Delete or move any older versions of editor to another location to avoid confusion.
- Download and unzip the latest Mac or PC editor from the “Support & Downloads” tab of Atomic’s website to a convenient location
- Connect AmpliFIRE to computer via USB
- Open editor and let it sync with the device
- Select “Update Firmware” under the “File” tab (the most current firmware is build into the latest editor)
- Follow on screen instructions

NOTE: If after updating the firmware the contrast of the LCD display on the AmpliFire is difficult to read, click on the GLOBAL tab of the editor application. In the bottom, right corner you will find the CONTRAST parameter. Set the value to LEVEL 4 or whatever allows you to view the display properly.

New Features:

PITCHSHIFTER *(Only available for AmpliFire 6 and AmpliFire 12)**

The PITCHSHIFTER effect block is capable of simple detuned, chorus style effects, crazy Whammo effects using an expression pedal and even intelligent harmony effects using specific scales, keys and intervals. It can be positioned pre or post the amp effect block.

NOTE: To set up an expression pedal to use the Whammo mode: Connect an expression pedal to expression pedal input A or B on the AmpliFire. In the editor application click on the EDIT tab and then click on the RTN effect block. Click the window for PARAMETER A or B depending on which expression pedal input you used. In the window that pops up, select PSH: PEDAL.

* Why is pitch not included on the AF3? The original AF3 has a smaller code storage space. When we designed AF6 and AF12, we upgraded several things, including the code storage space. So, AF6 and AF12 can run additional effects like pitch shifter, but AF3 can not. AF3 can still benefit from other updates like bug fixes and amp models in the future, since these do not use up the same amount of code space as new effects do.

PRESET MANAGER (Editor Only)

On the EDIT tab of the AmpliFire editor application in the lower, left corner is the PRESET MANAGER. Clicking on this will launch the PRESET MANAGER tool. This allows you to change the order of the presets in the AmpliFire.

Please download the updated AmpliFire manual V6.0 for instructions on how to use these new features. Pitchshifter instructions start on page 29. Preset Manager instructions start on page 21.

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New Features:

- Loop Mix - This parameter allows you to configure the effects loop as *series* or *parallel*.

In series, the signal leaves the AmpliFire at the send jack, is processed by an external effects processor and the signal is returned at the return jack. Any wet/dry mixing must be done in the external effects processor.

In Parallel, the signal flow inside the AmpliFire continues as normal but the signal is *also* sent to the send jack to be sent to an external effects processor. In this scenario the signal returning to the AmpliFire return jack should be 100% wet. The Return Level parameter is then used to mix this 100% wet signal with the internal signal flow of the AmpliFire. If you chose to use ONLY amp and cab modeling in the AmpliFire and use an external effects processor for all of your other effects, the dry amp tone in the AmpliFire would never be affected by the external effects and remain pure. Whereas in Series, the signal must be converted from digital to analog to feed the external effects processor. The signal is then converted to digital again, processed and converted back to analog to return to the AmpliFire where it is converted to digital again. Some players feel that this process changes their guitar tone in a negative way. Using the parallel mode avoids all of that.

- Two new reverbs have been added:
 - Plate- Simulates the reverb of a steel plate reverberation system.
 - Cavern-simulates the reverb of a large sized cave
 - All of the reverb effects have been enhanced.

Bug Fixes:

- AmpliFire would not lock to incoming MIDI CLOCK. (fixed)
- Moving an expression pedal or turning the knobs while the AmpliFire was booting up would crash the unit. (fixed)
- Assigning expression pedal parameters in the editor and setting the minimum and maximum settings did not work properly. (fixed)

AmpliFIRE 4.1.2 Public Beta Release Notes

- Volume auto swell is now a “slow gear” pedal effect with only two parameters: “sense” and “attack”.
- Noise gate now has a global/preset select. If the “Use Global” box is checked in on the global menu tab, per preset settings will be ignored and global settings will override them.
- Default power “on” preset is now a global parameter. The default behavior is that the unit will power “on” using the last preset used. Alternatively, you can choose any preset to be your power “on” preset by selecting it’s number in the global menu.
- Fixed a bug in the editor where footswitch assignments were always using 0-127 offset (even when set to 1-128) resulting in a potentially undesired offset of -1 when set to 1-128 mode.
- Implemented new FX panel layouts that reorganized the order of the parameters in a more logical and easy-to-use format.

Also, new since v4.0.0

- Fixed editor crash at startup when path contains space.
- Fixed Mac startup issue on older OS versions (editor works with OSX v1.7.5 and higher).

- Fixed editor's maximize button behavior so the resized editor doesn't place the minimize button and other parameters out of reach.
- Allow editing of numeric values by double clicking on the parameter number.
- Fix global output settings (stereo/mono bug).
- Fixed preset flash read bug that was not saving changes to presets 65-128 causing edited/saved presets and imported presets to sound different/incorrect.

AmpliFIRE 4.0 Release Notes

- Editor reskinned for all new, much better presentation and improved workflow (please note parameters in effect edit window will be reorganized for ease of use in the coming weeks).
- Echo modeler overhauled
 - Updated tap function, now perfect for rhythmic and edge style delays!
 - Global and per preset tap tempo not sets BPM instead of delay time directly.
 - All 4 delay taps track BPM tempo without additional adjustment.
 - Added 4 tempo mode parameters for echo taps so you can now send each of the taps it's own musical interval 1/2 note, 1/4 note, dotted 1/8 note. etc.
 - Added Global BPM parameter.
- Added ability to move the position of the loop to 6 key positions:
 - At Input: The EFFECTS LOOP is the first block in the signal chain immediately following the GATE effect.
 - With Pre-FX: The EFFECTS LOOP is within the pre-fx section.
 - Before the PRE-EFFECTS section.
 - Before AMP: The EFFECTS LOOP is after the PRE-FX section and immediately preceding the AMP block.
 - With Post-FX (DEFAULT LOCATION): The EFFECTS LOOP is after the post-EQ and prior to the post-fx section.
 - At Output: The EFFECTS LOOP is at the end of the signal chain just prior to the REVERB block.

- Added clean boost mode to BOOST effect block to allow you to hit the front of an amp harder to bring on break up earlier without coloring the tone of the overdrive.
- Added Touch Wah for intuitive Wah effect without an expression pedal. Signals of greater amplitude (more aggressive playing) will cause the wah to move to the toe down position and it will automatically move back to the heel position as the signal amplitude decays.
- Added Envelope Mode in volume block to create cool auto swell effects
- Added taper control to volume block to allow adjust like your favorite style volume pedal
- Added advanced footswitch options to easily access presets:
 - BANK +10: Increment the currently selected bank by 10. After a press, AMPLIFIRE will flash the currently selected BANK and wait for the user to press one of the numbered switches (0-9). Times out after 5 seconds.
 - BANK -10: Decrement the currently selected bank by 10 After a press, AMPLIFIRE will flash the currently selected BANK and wait for the user to press one of the numbered switches (0-9). Times out after 5 seconds.
 - OFFSET 1-9: Select the preset indicated by the specified offset for the currently selected bank For example, if you are presently in bank 20 and specify a footswitch to an offset of 3 then pressing that switch will select preset 23.
 - OFFSET 1/6 - 5/10: Toggles back and forth between two different offset banks of 5. For example, if you are presently in bank 20 and specify a footswitch to the offset of 1/6 then pressing that switch will toggle between presets 21 and 26. This lets you use one row of 5 buttons to access a bank of 10 presets.
- Display now shows footswitch function for a short time when pressed so you can see what effect is associated with it
- Added headphones only output level mode menu which allows the hardware level control to work on just the headphones output
- Improved expression pedal operation to fix how expression parameter values are restored when editing presets
- Fixed rare, critical bug that caused output to become thin and shrill that could only be fixed by a reboot

- Fixed MIDI clock bug that could cause a system freeze when hooked up to certain controller brands using MIDI clock