

# Fender® FUSE™ 2.0

G-DEC®  MUSTANG™  
GUITAR DIGITAL ENTERTAINMENT CENTER



**MUSTANG™  
FLOOR**

**EXP-1  
EXPRESSION  
PEDAL**

**Passport®**  
BY Fender mini

**OWNER'S MANUAL**

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# Getting Started!

## Introduction

This manual is your step-by-step guide to using Fender® FUSE™ software. Fender FUSE allows you to control your amplifier/footpedal from your computer and to perform many functions beyond what the products provide on their own. It is a preset editor, a librarian for media files and your connection to the Fender online community. **System requirements:** To run Fender FUSE, you must have a PC computer running Windows XP or above, or a Macintosh computer with Intel® processors running OS X version 10.5 (Leopard) or above.

## Installing Fender® FUSE™

To install Fender FUSE on your computer please download the current version of the Setup file from <http://fuse.fender.com>.

### To install Fender FUSE:

1. Double-click on the Fender FUSE Setup.exe file (for PC) or the FUSE Installer.dmg (for Mac), then follow the instructions on screen.
2. If any permission windows pop up during the Fender FUSE installation process, always allow installation by clicking on "OK" or "NEXT."

# Firmware Update

Your G-DEC 3, Mustang or Passport amplifier may need a firmware update to operate properly with Fender FUSE.

### To update Mustang or Passport Firmware:

1. Connect your amplifier to your computer's USB port and open the Fender FUSE software.
2. Turn the amplifier off.
3. **MUSTANG I/II, MUSTANG MINI:** Press and hold the SAVE button on the amplifier while turning the power switch back on. Continue holding the SAVE button until it starts to blink **red**.  
**MUSTANG III/IV/V:** Press and hold the DATA WHEEL on the amplifier while turning the power switch back on. Continue holding the DATA WHEEL until the SAVE button starts to blink **red**.  
**PASSPORT:** Press and hold the TAP button on the amplifier while turning the power switch back on. Continue holding the TAP button until it starts to blink **red**.
4. The Firmware Update Instructions will automatically open and give you two options. Select the "Bundled Update" option unless you have downloaded a newer firmware update from <http://www.fender.com/support/articles/updating-firmware-on-fender-mustang-amplifiers>.
5. Turn the amplifier off and then back on again to finalize the firmware update.

### To update G-DEC 3 Firmware:

1. Download the latest firmware file from: <http://www.fender.com/support/articles/fender-g-dec-3-firmware-download-v1-04>. To check what version your G-DEC 3 currently is running, watch the start up screen on the G-DEC 3 and the firmware version number will display in the lower right corner for 3 seconds after the initial Fender logo screen (for example, "v 1.03").
2. Unzip the compressed file that you just downloaded, which contains the firmware update file.
3. Connect your G-DEC 3 amplifier to your computer's USB port.
4. Open Fender FUSE and click on "Update Firmware" from the Utilities menu (under Main Menu).
5. Select the firmware update file that you downloaded and unzipped in Step 2.
6. Watch the G-DEC 3 screen for update progress. Firmware update takes about 20 seconds.

# Passport Factory Restore

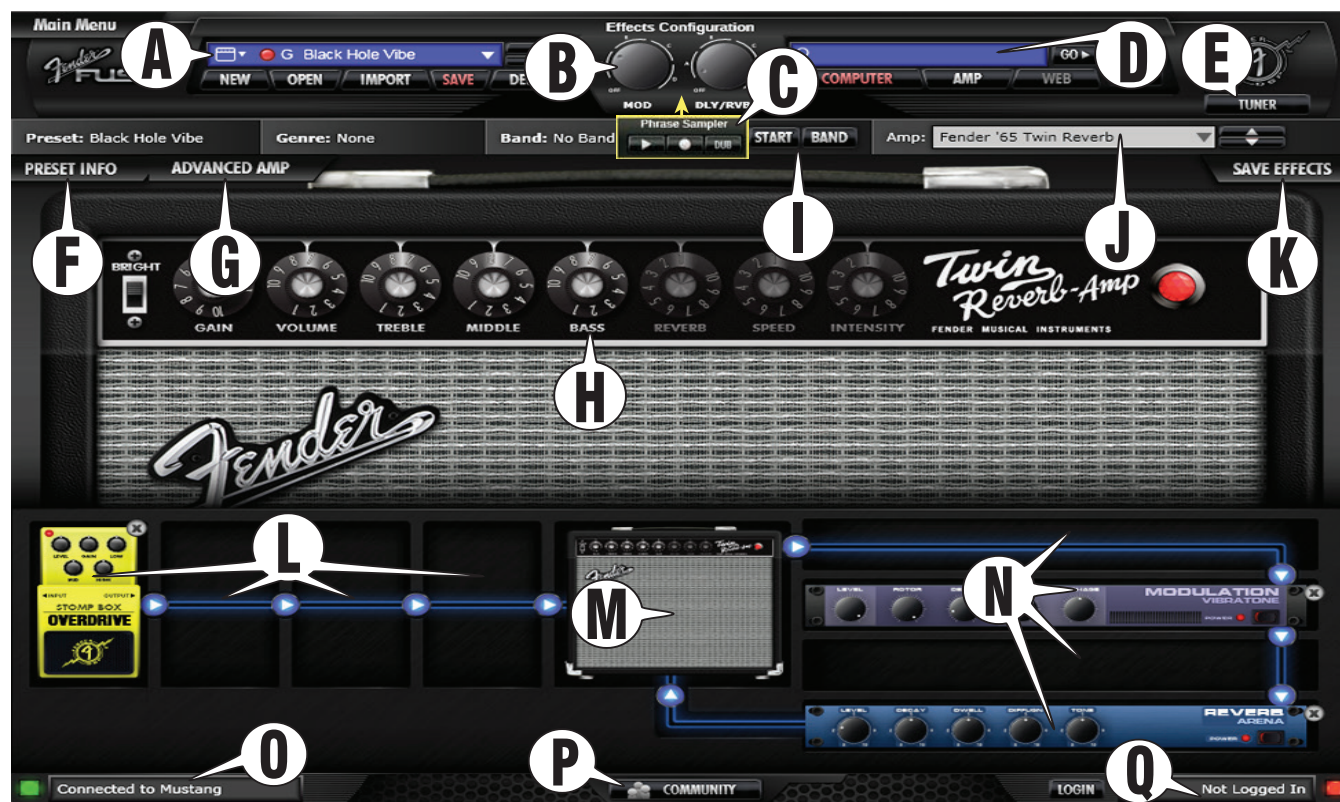
You can restore all the settings on your Passport amplifier through Fender FUSE. The factory restore procedure will reset all presets and erase any custom settings you have created.

### To perform a Factory Restore on your Passport:

1. Connect your Passport amplifier to your computer's USB port and open the Fender FUSE software.
2. Click on "Main Menu" in the upper left-hand corner of the Fender FUSE screen, then click on "UTILITIES," then click on "Factory Restore..."
3. Click on "OK" in the Factory Restore Warning pop-up window.

# Preset Editor

This is the first screen you will see when you start up Fender® FUSE™. When your amplifier is connected to your computer via USB cable, the Fender FUSE screen will mirror exactly what the amplifier is doing. If you click and drag a knob in Fender FUSE it immediately affects the corresponding control on your amplifier and visa-versa.



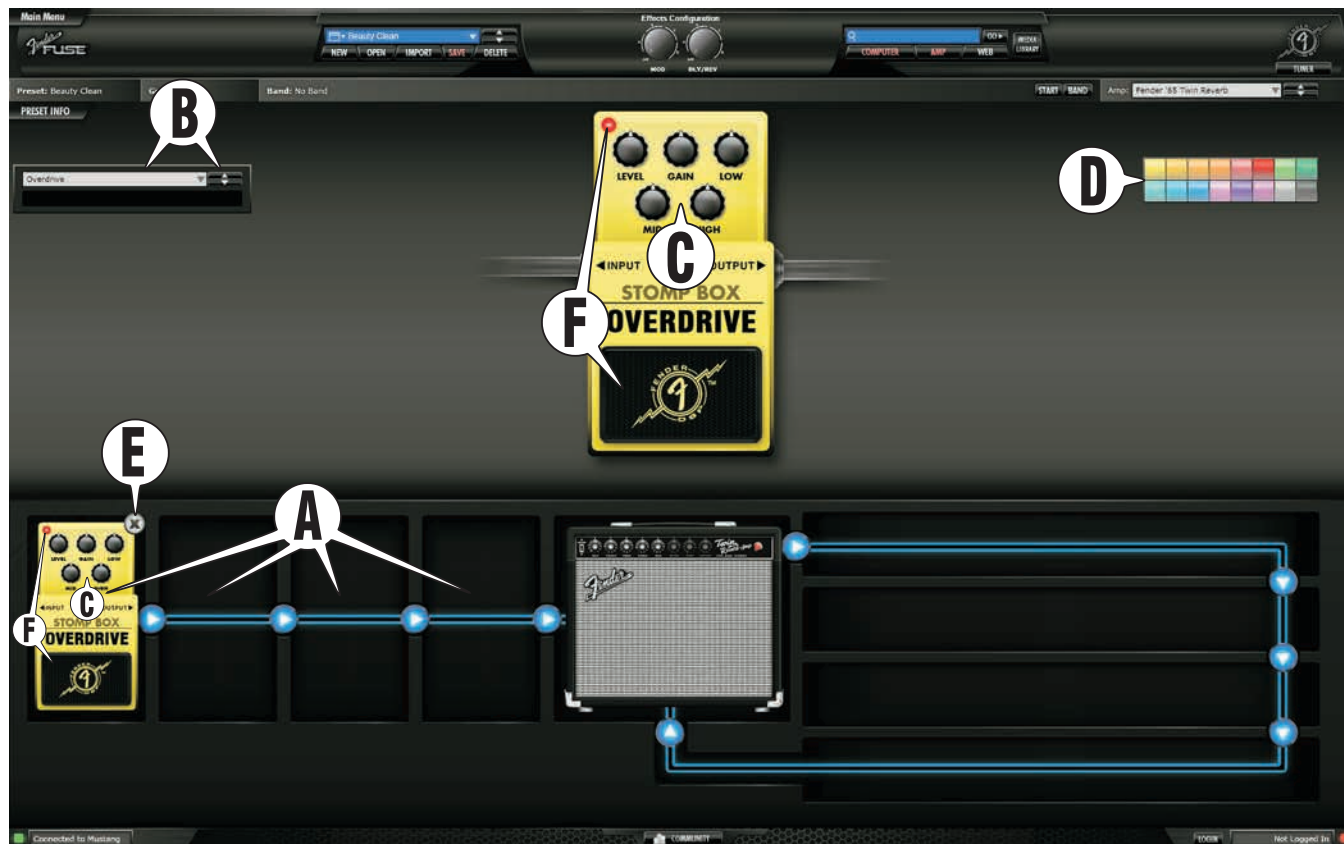
- A. PRESET CONTROL PANEL** — Click on the right side of this drop down menu to select a preset or use the up/down arrows to scroll through presets. Click on the left side of the drop down menu to choose between amp or computer presets. The five buttons below allow you to create a new preset from scratch, open a preset on your computer, import one or more components of a different preset to the current preset (Amp/FX/Band settings), save a preset or delete a preset.
- B. EFFECTS CONFIGURATION (Mustang™ I/II and Passport® Only)** — These knobs function as they do on the amp. If you click on these knobs, a status window will appear.
- C. PHRASE SAMPLER (G-DEC® 3 Only)** — These buttons function as they do on the G-DEC 3 amp.
- D. SEARCH PANEL** — This window allows you to search for presets and audio files in the location(s) selected with the buttons below. Search results are displayed via the Media Library which can also be accessed quickly by clicking the Media Library button.
- E. TUNER** — The Fender FUSE tuner provides the features of a studio rack mounted guitar tuner.
- F. PRESET INFO** — Click to edit preset information (see page 7).
- G. ADVANCED AMP** — Click to open up the advanced amp settings window (see page 6).
- H. AMP CONTROLS** — Click and drag any of these knobs to adjust the amplifier's settings for the current preset. Any "grayed-out" knobs are controls that have not been activated yet.
- I. START / BAND** — Click Start to play the band track. Click Band to select a band track and edit band track settings (see page 8).
- J. AMPLIFIER** — Click on the drop down menu to select an amplifier type or use the up/down arrows to scroll through amp types.
- K. SAVE EFFECTS (Mustang I/II, Mustang Mini and Passport Mini Only)** — Click here to reassign effects to the effects knobs (see page 5).
- L. EFFECT FOOTPEDALS** — Click on any of these four slots to add an effects footpedal and edit effect settings (see page 4).
- M. AMP ICON** — Click on this icon to return to editing amp tone settings after adjusting effect settings.
- N. RACK EFFECTS** — Click on any of these four slots to add a rack mounted effect and edit effect settings (see page 5).
- O. AMP CONNECTED** — Indicates when your amp is connected.
- P. COMMUNITY** — Click to open the Fender Amplifier Online Community website (see page 11).
- Q. LOGIN** — Click to login to the Fender Amplifier Online Community website (see page 11).



# Pedal Effects


Click on any of the four slots {A} to the left of the amplifier icon to select an effect and open the Pedal Effects edit screen. These effects are located *before* the amp model in the signal path to provide a sound similar to effects that are connected inline with your guitar cord before the input of the amplifier.

Fender® FUSE™ gives you access to effects combinations beyond what the amp has on its own. For example, you can put an echo pedal before the amp, which could be just the thing for a rockabilly tone. Modulation effects like flangers and phasers sound very different in front of the amp. **NOTE:** Mustang™ and Passport® amplifiers also allow you to change the order of effects (which affects their sound) by dragging the effect icons to different slots {A}.



**B. EFFECT PEDAL SELECTOR**— Click on the drop down menu to select an effect, or use the up/down arrows to scroll through effects in the currently selected effect category {A}. Effects are separated into four categories: **Stompbox**, **Modulation**, **Delay** and **Reverb**.

**C. EFFECT SETTINGS** — Click and drag any of these knobs to adjust the effect pedal settings. The precise level of each setting will be displayed under the Effect Pedal Selector {B} window.

 You can also adjust the knobs on the smaller version of the effect pedal icon below, which is convenient when you are in the Preset Editor window.

**D. PEDAL COLOR** — Click on any of these color swatches to change the color of the effect pedal. Color changes are for your preference and do not change the sound of the effects.

**E. DELETE** — Click on the "X" to remove the effect from the current preset.

**F. BYPASS** — Click on the footpedal switch to turn the effect on-off (bypass). The red light in the upper left corner indicates when the effect is on or off.



You can also click the on-off switch on the smaller version of the effect pedal icon below.

## EXCLUSIVE Fender FUSE FEATURES:

- EFFECTS POSITION Pre- or Post-Amp
- EFFECTS BYPASS
- SAVE EFFECTS (Mustang I/II, Mustang Mini, Passport Mini)

Fender® FUSE™ adds functionality beyond what your amplifier provides on its own. You can position effects before or after the amplifier in the signal path for a variety of sonic options. Fender FUSE allows you to bypass an effect temporarily rather than deleting it and losing all your effect settings each time you want to turn an effect on-off. You can even customize the effect knobs on your Mustang I/II, Mustang Mini or Passport Mini amplifier (see SAVE EFFECTS on page 7).

# Rack Effects

Click on any of the four slots {A} to the right of the amplifier icon to select an effect and open the Rack Effects edit screen. These effects are located *after* the amp model in the signal path to provide a sound similar to effects that are connected through the effects loop of an amplifier, or added at the recording console. **NOTE:** Mustang™ and Passport® amplifiers also allow you to change the order of effects (which affects their sound) by dragging the effect icons to different slots {A}.



**B. RACK EFFECT SELECTOR** — Click on the drop down menu to select an effect, or use the up/down arrows to scroll through effects in the currently selected effect category {A}. Effects are separated into four categories: **Post Gain, Modulation, Delay** and **Reverb**.

*You can have a total of up to four effects active at any time, but you can have only one of each "category" active at a time. For example, you can have a reverb effect either before or after the amplifier, but not both.*

**C. EFFECT SETTINGS** — Click and drag any of these knobs to adjust the rack effect settings. The precise level of each setting will be displayed under the Rack Effect Selector {B} window.

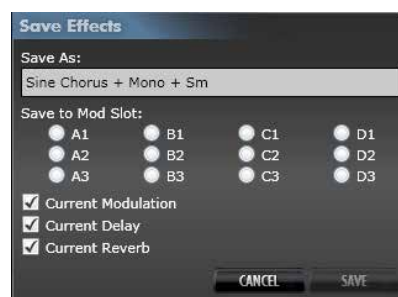
*You can also adjust the knobs on the smaller version of the rack effect icon below, which is convenient when you are in the Preset Editor window.*

**D. DELETE** — Click on the "X" to remove the effect from the current preset.

**E. BYPASS** — Click on the on-off switch to turn the effect on-off (bypass). The red light next to the switch indicates when the effect is on or off.

*You can also click the on-off switch on the smaller version of the rack effect icon below.*

**F. SAVE EFFECTS (Mustang I/II, Mustang Mini and Passport Mini Only)** — This button turns red whenever effects have been changed in Fender FUSE. This includes: •Effect selections (pedal or rack effects, but not stomp box) and •Effect settings. Click **SAVE EFFECTS** to name your new custom effect setup and select an effect knob position under which to store your new custom effect arrangement.



# Advanced Amplifier Settings

Click on the "ADVANCED" amplifier button {A} to open the advanced amplifier settings screen. The controls that appear will vary depending on the amplifier type that is currently selected and the model of G-DEC® 3, Mustang™ or Passport amplifier connected to your computer.



**B. AMPLIFIER** — Click on the drop down menu to select an amplifier type, or use the up/down arrows to scroll through amp types.

**C. TONE CONTROLS** — Click and drag any of these knobs to adjust the amplifier's gain and tone settings.



*You can also adjust the knobs on the smaller version of the amp icon below, which is convenient when you are in the Effects Editor window.*

**D. ADVANCED CONTROL PANEL** — The advanced amplifier control panel allows you to tweak your amplifier beyond the basic tone controls.



*Adjustments that you make in the advanced amplifier control panel will remain with the preset when you disconnect the amp from Fender® FUSE™, but you won't be able to make further adjusts to those parameters without connecting to Fender FUSE again.*

## EXCLUSIVE FENDER FUSE FEATURES:

### Mustang I-II and Passport

- Channel BLEND
- CABINET Type
- Amplifier SAG
  - Tube BIAS
- Second MASTER
- NOISE GATE Custom Parameters
  - USB GAIN

### Mustang III-IV-V

- NOISE GATE Custom Parameters
  - USB GAIN

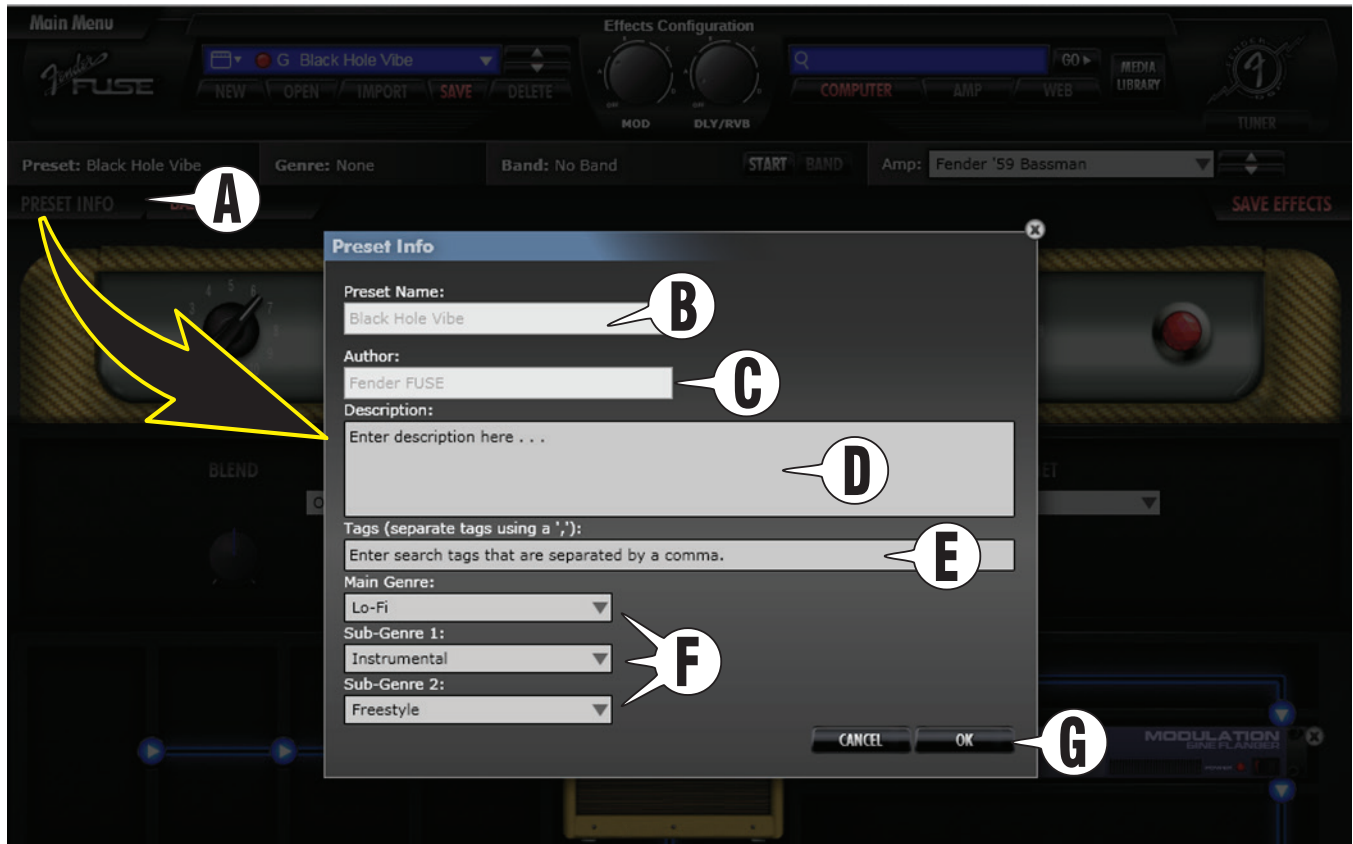
### G-DEC 3

- COMPRESSOR Custom Parameters (G-DEC 3)
  - TONE STACK Position (G-DEC 3)
- NOISE GATE Custom Parameters
  - USB GAIN

These Fender® FUSE™ features add functionality beyond what your amplifier provides on its own. NOTE: Features listed as "Fender FUSE exclusive" for one amplifier model may be standard features on another amplifier model.

# Preset Info Screen

Click on the "PRESET INFO" button **(A)** to open the Preset Information window. This window allows you to edit an extensive list of preset information to enable more useful search functions and easier preset identification. The information you enter will be visible to members of the Fender® Amplifier Online Community should you choose to upload your presets and share them with the community.



**B. PRESET NAME** — The name of the currently active preset on the amplifier will appear here.

**C. AUTHOR** — The creator of the current preset will appear here.

**D. DESCRIPTION** — Enter a description for the currently active preset on the amplifier to reference what the preset can be used for. Example: *I use this preset for the opening of "Cliffs of Dover" by Eric Johnson with delay effects.*

**E. TAGS** — Enter descriptive tags (terms) separated by commas for the currently active preset on the amplifier. These are quick keywords to aid in searching for presets in the Media Library. From the example above, you might enter the following tags: *"Eric Johnson, Cliffs, delay."*

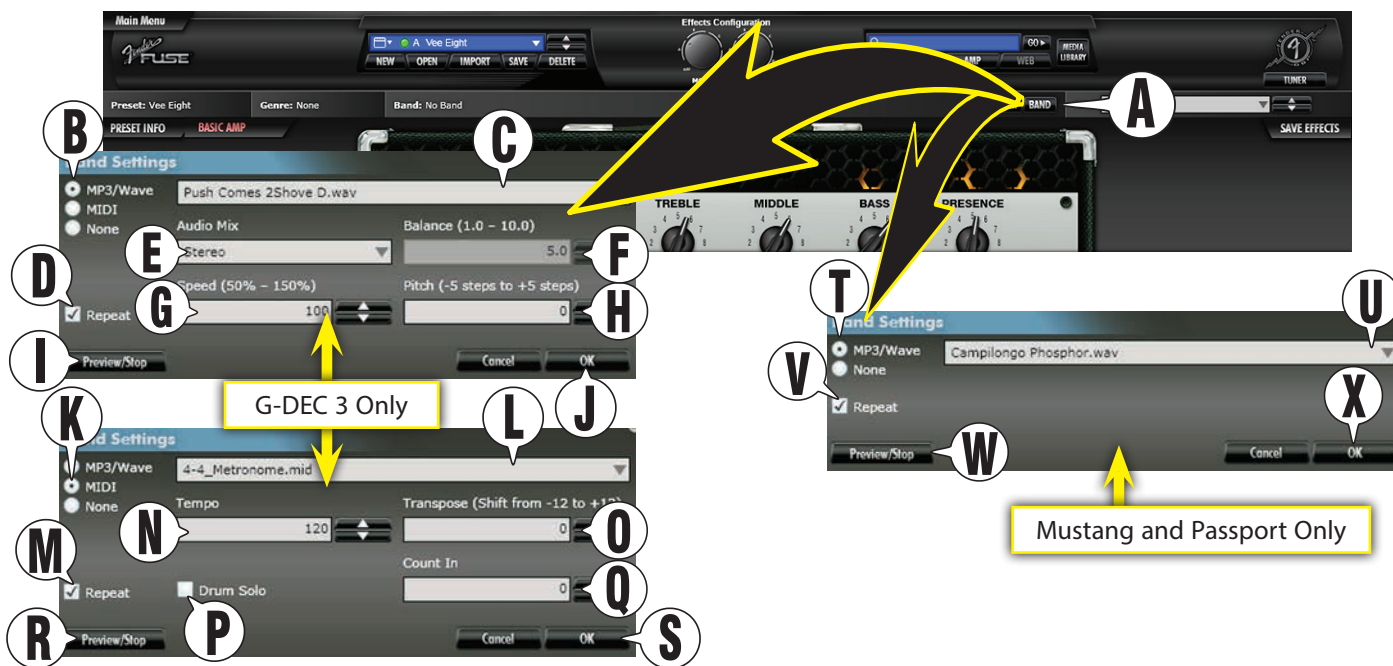
**F. GENRES** — Enter the main genre (music category) and as many as two sub genres for the currently active preset on the amplifier.

**G. OK** — Click OK to save all your entries for the currently active preset on the amplifier.



# Band Track Screens

Click on the "BAND" button {A} to select a Band track and adjust Band settings. Although you cannot store Band tracks on your Mustang™ or Passport® amplifier like you can on the G-DEC® 3, you can play songs on your computer through Fender® FUSE™ and save the associated track as part of a Mustang or Passport preset.



**B. MP3 / WAVE** — Select the MP3/Wave radio button if you want to select an MP3/Wave Band track file for the currently active preset on the G-DEC 3.

**C. TRACK LIST** — Click on this drop down list to select an MP3/Wave Band track on the G-DEC 3 hard drive (HD) or SD card on the G-DEC 3.

**D. REPEAT** — Click on this box for endless loop playback.

**E. AUDIO MIX** — Choose an audio mix for the Band track selected in the Track List {C}. Select STEREO for normal operation. Select LEFT/RIGHT MIX if you want to adjust the balance of the Band track to focus on the audio content of one channel. Select CENTER CANCEL if you want to eliminate the audio in the "center" of the mix in a stereo file. This is often effective in removing the lead guitar and vocals from a song.

**F. BALANCE** — Adjusts the left/right (1/10) balance for the Band track selected in the Track List {C} when LEFT/RIGHT MIX is chosen for the Audio Mix {E}.

**G. SPEED** — Adjusts the playback speed of the Band track.

**H. PITCH** — Adjusts the pitch of the Band track.

**I. PREVIEW / STOP** — Click to listen to the Band track selected in the Track List {C}.

**J. OK** — Click OK to save your Band track selection and settings for the currently active preset on the G-DEC 3.

**K. MIDI** — Select the MIDI radio button if you want to select a MIDI Band track file for the currently active preset on the G-DEC 3.

**L. TRACK LIST** — Click on this drop down list to select a MIDI Band track on the G-DEC 3 hard drive (HD) or SD card on the G-DEC 3.

**M. REPEAT** — Click on this box for endless loop playback.

**N. TEMPO** — Adjusts the tempo of the MIDI Band track.

**O. TRANSPOSE** — Use to transpose the key of the MIDI Band track.

**P. DRUM SOLO** — Select this check box if you want the MIDI Band track to play only the drums channel (ch 10) of the MIDI file.

**Q. COUNT IN** — Select how many beats you want the MIDI file selected in the Track List {L} to count in before the actual song starts. Four is a typical number for most songs written in 4/4 time signature.

**R. PREVIEW / STOP** — Click to listen to the Band track selected in the Track List {L}.

**S. OK** — Click OK to save your Band track selection and settings for the currently active preset on the G-DEC 3.

**T. MP3 / WAVE** — Select the MP3/Wave radio button if you want to select an MP3/Wave Band track file for the currently active preset on the Mustang or Passport.

**U. TRACK LIST** — Click on this drop down list to select a Band track on your computer for the currently active preset on your Mustang or Passport. When you start the band track the audio will play through your computer speakers, so you will need to adjust the playback volume through your computer and from the speaker volume control.

**V. REPEAT** — Click on this box for endless loop playback.

**W. PREVIEW / STOP** — Click to listen to the Band track selected in the Track List {U}.

**X. OK** — Click OK to save your Band track selection and settings for the currently active preset on the Mustang or Passport.

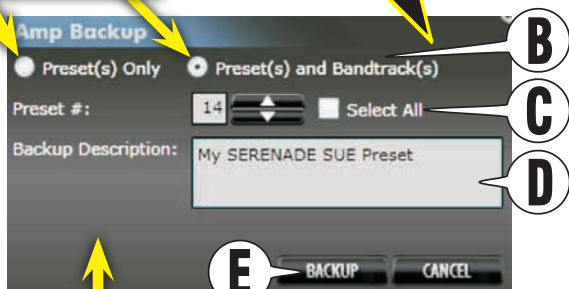


# Utility Screens

Click on "MAIN MENU" and then "UTILITIES" {A} to access Backup/Restore and Firmware update functions.

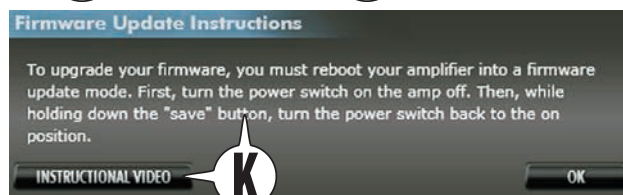
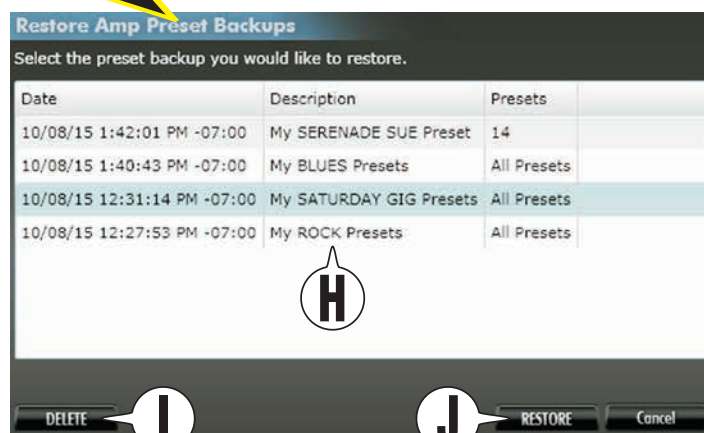


Windows Only



G-DEC 3 Only

Mustang and Passport Only



## EXCLUSIVE Fender FUSE FEATURES:

- BACKUP PRESETS
- RESTORE PRESETS

These Fender® FUSE™ features add functionality beyond what your amplifier provides on its own. Use Preset Backup to take a snapshot of your amplifier Presets (with or without the Band tracks on the G-DEC® 3). Fender FUSE saves backups on your computer with your personal descriptions so that you can easily find and Restore them at a later date. If you want, you can save several completely different backups such as "My Rock Presets" and "My Blues Presets" and restore each set for a particular occasion or performance.

- B. PRESETS / BAND TRACKS (Windows only)** — Choose to backup presets only, or presets and band tracks on the G-DEC 3.
- C. ONE OR ALL PRESETS** — Choose just one preset number to backup or "SELECT ALL" to backup all presets on the G-DEC 3.
- D. DESCRIPTION** — Enter a useful name for your backup here.
- E. BACKUP** — Click to backup your G-DEC 3 presets to your computer.

The location that FUSE uses to store backup files on your computer is: **Documents > Fender > FUSE > Backups.**

- F. DESCRIPTION** — Enter a useful name for your backup here.
- G. BACKUP** — Click to backup your Mustang™ presets to your computer.

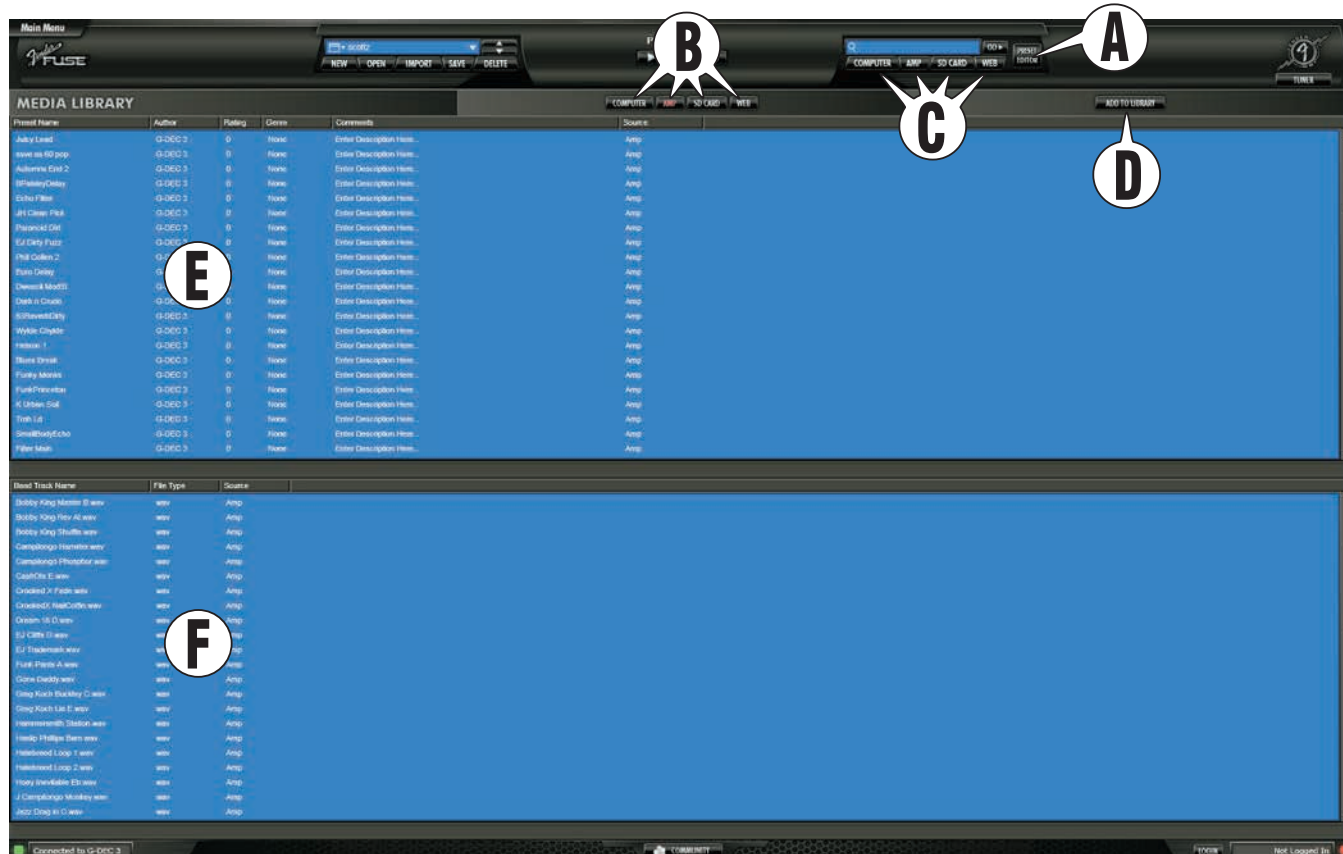
- H. RESTORE PRESETS** — Select a backup file to restore to your amplifier. You can sort the list of backups by Date, Description, or Presets by clicking on each column head.

The RESTORE function will overwrite the target presets (and band tracks on the G-DEC 3) on your amplifier. It may be a good idea to Backup everything on your amplifier first, before performing a Restore operation!

- I. DELETE** — Click to permanently delete the selected backup file.
- J. RESTORE** — Click to restore the selected preset to the amplifier.
- K. FIRMWARE UPDATE** — The Firmware Update Instructions that appear will vary depending on the amplifier you are using. There is also an instructional video to help you through the steps. Please see "Firmware Update" on page 2 for step-by-step instructions on how to update the firmware for your amplifier model.
- L. AUDIO CONTROL PANEL** — To select the Fender G-DEC 3 as the default playback device (V2.2 and later), users can select Audio Control Panel in FUSE (Main Menu/Utilities/Audio Control Panel). Windows users select DEC Audio for Sound Playback/Sound Recording in Audio tab (Win XP), or Playback/Recording tabs (Win Vista & 7). Mac users select DEC Audio for input and output. To select the default input device, select the "Input" tab. Then highlight DEC Audio in list. Control or right click and select "Use this device for sound input". This will enable the G-DEC 3 amp to be the default input device. To select the default output device, repeat the same process with the "Output" tab selected.

# Media Library


Click on the "MEDIA LIBRARY" button {A} (from the Preset Editor) to open the Media Library screen. From here you can easily view and search for all the presets and band tracks in any of the locations currently available (Computer, Amp, SD Card and Web). Click on the "PRESET EDITOR" button {A} to return to the Preset Editor window.



**B. MEDIA LOCATION** — Click on any of these locations to show the lists of available presets and band tracks.

**C. SEARCH** — Click on one or more of these buttons to highlight them as locations to search for presets and band tracks. Then type in a term in the window above and click "GO." Your search results will be displayed below.

**D. ADD TO LIBRARY** — Click on "Add To Library" to copy preset files (\*.FUSE) and band track files (\*.MP3, \*.WAV) and (\*.MID for G-DEC 3) from anywhere on your computer to the location that FUSE searches on your computer by default.

 *The default location that Fender® FUSE™ uses to store presets on your computer is: **Documents > Fender > FUSE > Presets**. The default location for band tracks is: **Documents > Fender > FUSE > Audio > WaveMP3 (or MIDI (G-DEC 3 only))**.*

**E. PRESET LIST** — This list shows the presets available in the selected Media location {B}. Right-clicking on any preset provides a dynamic list of load, save, copy and delete functions.

- When you have **Computer**, **Amplifier** or **Web** selected as the Media location {B}, you can double-click on any preset in the

Preset list {E} to open the Preset Editor with the selected preset ready to play on the amplifier.

- When you have **SD Card** selected as the Media location {B}, you must right-click on a preset in the Preset list {E} and first copy it to your computer *before* you can activate it to play on the amplifier.

**F. BAND TRACK LIST** — This list shows the band tracks available in the selected Media location {B}. Right-clicking on any band track provides a dynamic list of load, save, copy and delete functions.

- **G-DEC® 3 only:** When you have **Amplifier** or **SD Card** selected as the Media location {B}, you can double-click on any band track in the list {F} to instantly load the track with the current preset and have it ready to play on the amplifier.
- **G-DEC 3 only:** When you have **Computer** or **Web** selected as the Media location {B}, you must first right-click on a band track in the list {F} and copy it to your amplifier or an SD Card (in the amplifier) *before* you can activate it to play with the current preset.
- **Mustang™ only:** When you have **Computer** selected as the Media location {B}, you can double-click on a band track in the list {F} to activate it to play with the current preset through your computer speakers.
- **Mustang only:** When you have **Web** selected as the Media location {B}, you must first right-click on a band track in the list {F} and copy it to your computer *before* you can activate it to play with the current preset through your computer speakers.

# Fender® FUSE™ Community

Click on the "COMMUNITY" button (A) to open the Fender® Amplifier Online Community screen. This is the place to get your G-DEC® 3 and Mustang™ amplifiers connected with fellow users to trade amp presets, tips and tricks. You'll also be able to download new presets, backing tracks, and other content directly from Fender.



**B. PRESET EDITOR** — Click this button to return to the Fender FUSE preset editor.

**C. LOGIN / REGISTER** — Click Login to enter the Fender Amplifier Online Community. If you are not a member, please click on the "Register" link to create an account and enter your amplifier information. An amplifier serial number, located on the rear panel of your amplifier, is required to create an account.

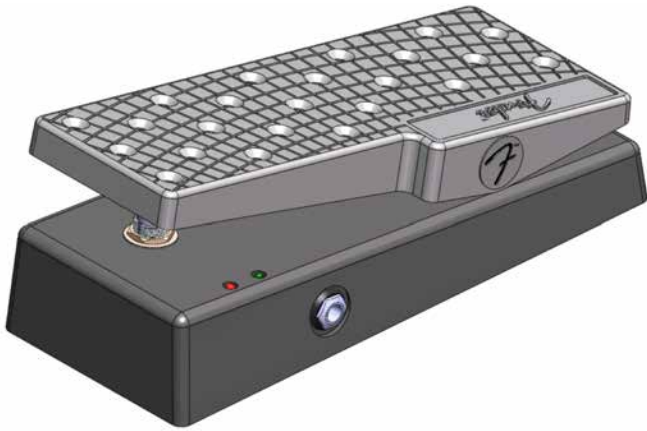
**D. DEVICE TYPE** — Select on your product name to customize the Community website to your amplifier model.

**E. COMMUNITY LINKS** — Click on any of these links to take you to various locations within the Fender Community. Check periodically because the site evolves and new things are always being offered!


**F. SCROLL BAR** — Scroll down to view the rest of the Community website.



# Using EXP-1 with Mustang™ III-IV-V




The EXP-1 expression pedal (P/N 2301050000) is compatible with Fender® Mustang™ III-IV-V amplifiers and Mustang Floor.

 *Mustang Floor users: EXP-1 functions differently with this product. Please see page 14 for instructions on using the EXP-1 with the Mustang Floor...*


The EXP-1 operates in two modes, Volume behavior mode and Expression behavior mode. You switch between modes by pressing down hard on the toe end of the expression pedal. Red and green LEDs on the EXP-1 indicate the current pedal mode:

- **Volume** behavior mode is used to control master volume (or the expression pedal can be set to OFF in Volume mode).
- **Expression** behavior mode can be used to control most effect and amp parameters on your Mustang amplifier. Some common uses are to control the frequency parameter of a Wah effect or the rate/time parameter of a modulation or delay effect.

 *Expression mode is also useful for experimenting with those "mystery" parameters that you're not quite sure what they do—you can adjust the parameter with your foot and continue playing uninterrupted while listening to the parameter changes!*

## Before you use the EXP-1 with Fender FUSE you should:

1. Download and install the latest version of Fender® FUSE™ software and download the current Fender FUSE owner's manual, both available free of charge at: [fuse.fender.com](http://fuse.fender.com).

 **SYSTEM REQUIREMENTS:** Fender FUSE software is compatible with PC computers running Windows XP or later, and with Mac computers with Intel® processors running OSX 10.5 (Leopard) or above.


2. Update the Firmware on your Mustang III/IV/V amplifier. See page 2 for simple step-by-step instructions.
3. Calibrate the EXP-1 (see below).
4. Configure EXP-1 Settings (see below).

## EXP-1 Pedal Calibration


The first time you connect the EXP-1 to your Mustang amplifier, you should calibrate it so that the desired range of pedal movement registers with the amplifier. Calibration takes less than a minute:

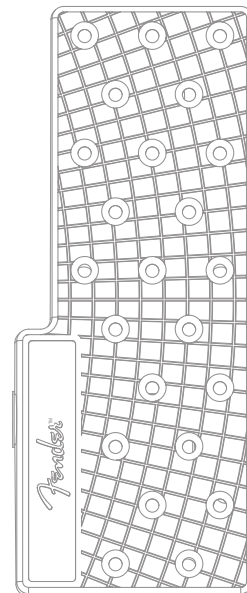
### To calibrate the EXP-1:

1. Plug the EXP-1 pedal into the 4 BUTTON FOOTSWITCH jack on the back of your Mustang amplifier using the included cable.
2. Turn the amplifier OFF.
3. Press and hold the UTIL button on the amplifier, then turn the amplifier ON. Continue holding the UTIL button down until it is no longer illuminated.
4. Move the EXP-1 pedal between the desired heel and toe endpoints to set the range of pedal movement that is registered (recognized) by the amplifier.

 *For example, if you only want the middle third of the pedal range to register with the amplifier, only move the EXP-1 pedal back and forth through the middle third of its range of motion. You must start the calibration process with the EXP-1 pedal positioned somewhere within the desired range.*

5. Turn the DATA WHEEL to select a new preset.
6. The EXP-1 expression pedal has been calibrated!

 *Repeat the calibration procedure each time you change EXP-1 pedals, plug the EXP-1 into a different amplifier, or perform a Factory Restore procedure on the amplifier.*



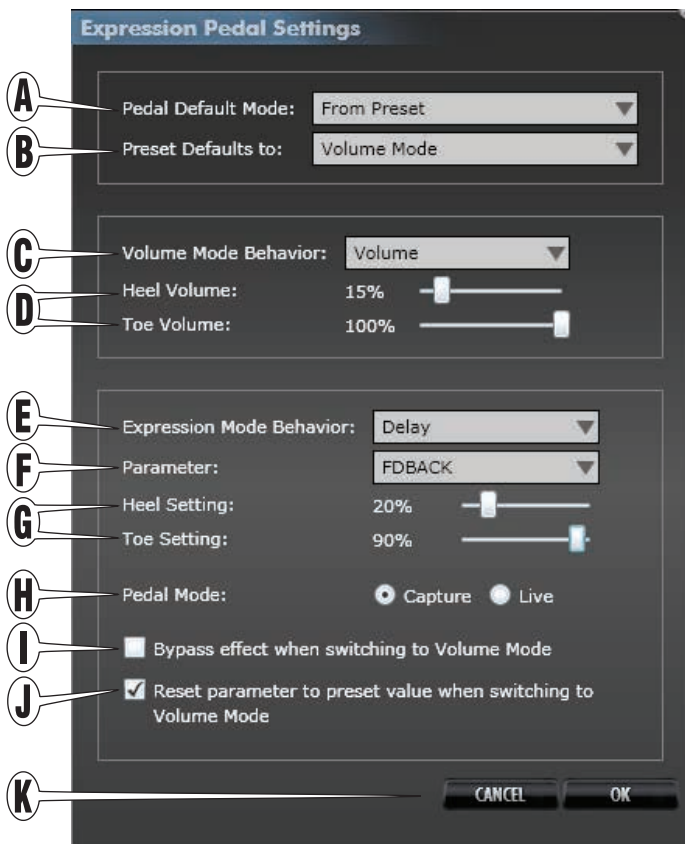
# Using EXP-1 with Mustang™ III-IV-V


## EXP-1 Pedal Settings

Use Fender FUSE to select expression pedal parameters and decide how you want the EXP-1 to behave.

### To configure EXP-1 settings:

1. Plug the EXP-1 pedal into the "4 BUTTON" FOOTSWITCH jack on the back of your Mustang amplifier using the included cable.
2. Connect the amplifier to your computer via USB cable, then open the Fender FUSE application.
3. In Fender FUSE, open the EXP-1 menu: Main Menu > Utilities > Expression Pedal...
4. Select the parameter and behavior characteristics for the Volume and Expression modes:



 A small expression pedal icon will appear in Fender FUSE next to the amp or effect that is currently selected in the Expression Mode Behavior menu. Click on it to open the Expression Pedal Settings window.

- A. Preset Default Mode:** — (From Preset/From Pedal) Select "From Preset" if you want the EXP-1 mode to switch to the mode selected in the "Preset Defaults to" menu (see below) each time you select a preset. Select "From Pedal" if you want the EXP-1 to remain in whichever mode the EXP-1 is currently

in as you change presets. The Pedal Initial Source setting is a global setting and is not associated with any particular preset.

- B. Preset Defaults to:** — (Volume Mode/Expression Mode) Select the mode that you want the pedal to switch to each time you select the current preset.
- C. Volume Mode Behavior** — (Volume/Off) Select "Volume" if you want the pedal to control the master volume in Volume mode or select "Off" if you want the pedal to be OFF when switched to Volume mode.
- D. Heel/Toe Volume** — (0–100%) Use these menus to set the master volume level with the heel of the pedal in the fully down position (Heel Volume) and with the toe of the pedal in the fully down position (Toe Volume).



*The Heel and Toe Volume settings for Volume mode are stored globally and affect all Presets. Every other parameter is stored locally within each preset.*

- E. Expression Mode Behavior** — (Off, Amp, Stomp, Mod, Delay, Reverb, Volume) Select the category that you want to control with the expression pedal in Expression mode or select "Off" if you want the pedal to be OFF in Expression mode.



*You must have an effect selected for the current preset on the amplifier (or in Fender FUSE) to make that category of effect become available for selection in this menu.*

- F. Parameter** — (Variable) Select the parameter that you want to control with the pedal in Expression mode. Your options will change depending on the category you selected in the Expression Mode Behavior menu above, and the effect module that is selected in the current preset.

- G. Heel/Toe Setting** — (Variable) Use this menu to set the level of the active parameter with the heel of the pedal in the fully down position (Heel Setting) and with the toe of the pedal in the fully down position (Toe Setting). Your options will change depending on the category you selected in the Expression Mode Behavior menu, above.

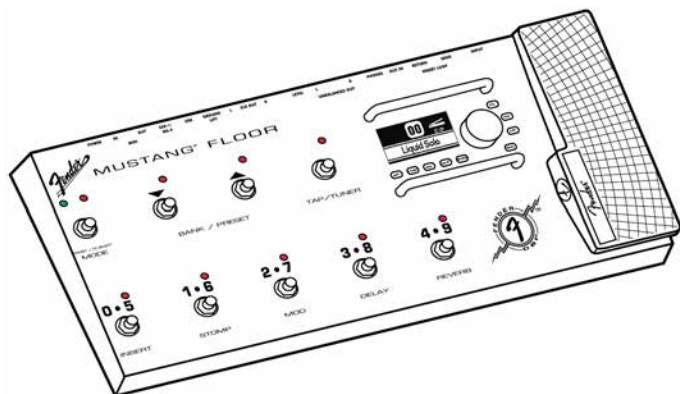
- H. Expression Mode** — (Capture, Live) If "Live" is selected the current pedal position will override the stored preset setting for the assigned expression pedal parameter when a preset is first selected. If "Capture" is selected the pedal is disabled until you move the pedal after a preset is first selected.

- I. Bypass Effect** — (On/Off) Check the box (On) to bypass the effect currently selected in the Expression Mode Behavior menu when switching the pedal to Volume mode or uncheck the box (Off) to leave the effect active.

- J. Reset Parameter to Preset Value when Switching to Volume Mode** — (On/Off) Check the box (On) to return the Expression Mode Parameter to the stored preset value when switching to Volume mode. Uncheck the box (Off) if you want the parameter be left set to the position of the pedal when switching to Volume mode.

- K. OK/Cancel** — Select "CANCEL" to undo all changes. Select "OK" to confirm changes to the EXP-1 settings. Save the current preset to save the EXP-1 settings with the preset.

# Using Mustang™ Floor with Fender® FUSE™



The Mustang Floor is compatible with Fender® FUSE™ and the EXP-1 expression pedal.



*The EXP-1 pedal can be used simultaneously with the Mustang Floor and Fender FUSE. When connected to the Mustang Floor, the EXP-1 operates in Expression mode only. Instructions for using the EXP-1 with the Mustang Floor can be found on page 6 of the Mustang Floor Advanced manual, available free of charge at: <http://fuse.fender.com/mustang/>.*

Use the Mustang Floor with Fender FUSE exactly as you would a Mustang III-IV-V amplifier, as described throughout this manual. The only extras are two icons in Fender FUSE for the INSERT LOOP and the FLOOR PEDAL to indicate when those features are in use, and a special menu for "Mustang Floor Settings" as described below.



## To set up the Mustang Floor with Fender FUSE:

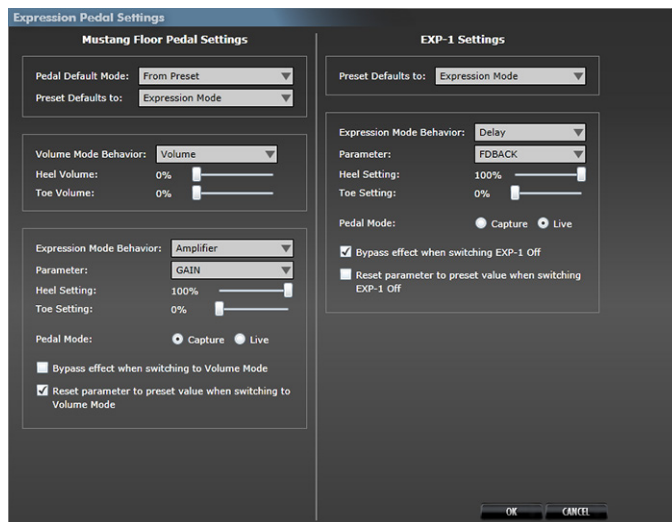
1. Download and install the latest version of Fender® FUSE™ software and download the current Fender FUSE owner's manual, both available free of charge at: <http://fuse.fender.com>. Follow the "Installing Fender FUSE" instructions on page 2 of the manual.
2. Update the Firmware on your Mustang Floor. Follow the step-by-step instructions for updating the firmware on a Mustang III/IV/V amplifier on page 2 of the manual.
3. Configure Mustang Floor settings (see below).

## Mustang Floor Settings

Fender FUSE gives you the ability to configure the Mustang Floor and an EXP-1 pedal (if connected) from the ease of your computer. Instead of clicking through dozens of menus on the Mustang Floor you can modify all your expression pedal settings from one Fender FUSE screen!

### To configure Mustang Floor (and EXP-1) settings:

1. Connect the Mustang Floor to your computer via USB cable, then open the Fender FUSE application.
2. (Optional) Plug an EXP-1 pedal into the "EXP-1/MS-4" jack on the back of your Mustang Floor using the included cable.
3. In Fender FUSE, open the "Expression Pedal..." menu: **Main Menu > Utilities > Expression Pedal...**



4. Select the desired settings for the Mustang Floor and EXP-1 (if connected). Detailed explanations for each of these settings can be found on page 5 of the Mustang Floor Advanced manual at: <http://fuse.fender.com/mustang/>.





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