

MUSTANG™ FLOOR BY FENDER®



ADVANCED OWNER'S MANUAL

Fender®
www.fender.com

Contents

Getting Started!	2
Data Wheel	2
Footswitch Modes	3
Tap/Tuner	3
Amplifier Menus	4
Effects Menus	4
Expression Pedal	5
EXP-1 and MS-4	6
Saving Presets	7
Utility Menus	7
Output Jacks	8
Aux/Phone Jacks	8
Insert Loop	9
USB Port	9
MIDI	9
Factory Restore & Firmware Update	9
FAQ	9
MIDI Appendix	10

Getting Started!



The basic Mustang™ Floor setup:

1. Plug the supplied power adapter into a grounded outlet.
2. Press the POWER switch to the "1" position to turn the Mustang Floor on.
3. Plug your guitar into the INPUT jack.
4. Connect the input of your guitar amplifier or PA system to the L UNBALANCED OUT jack –OR– plug your headphones into the PHONES jack.
5. Turn the LEVEL knob to at least halfway up.

The LEVEL knob controls the output level of all the analog outputs on the Mustang Floor, including the UNBALANCED OUT jacks, the XLR OUT jacks and the PHONES jack.

6. Turn on your PA system or guitar amplifier –OR– put on your headphones and start exploring the Mustang Floor!
7. Be sure to power off your amplifier (or PA) before powering down the Mustang Floor.

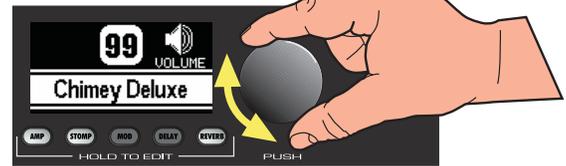
The Mustang Floor is fully integrated with Fender® FUSE™ software which allows you to configure and operate the Mustang Floor with ease from your computer. You can use Fender FUSE to download free presets from Fender artists; backup and restore presets for different occasions; and

customize the Mustang Floor in ways not available from the Mustang Floor alone. Please download the latest version of Fender FUSE, free of charge from fuse.fender.com.

Data Wheel



Turn the big DATA WHEEL to select presets in play mode (press the EXIT button, if lit, to return to play mode):

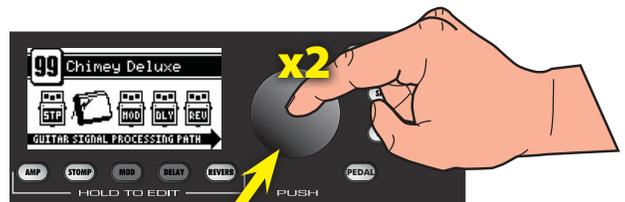


Press the DATA WHEEL to see basic information about the current preset, such as the current amplifier model and the effects assigned under each of the four effect categories:



Push to view the Preset Information screen

Press the DATA WHEEL a second time to see where each effect is located in the guitar signal processing path:



Push twice to view the Signal Path screen

You can change the order of effects in the signal path to create unique sounds using Fender FUSE software.

The DATA WHEEL has many functions! Enter any edit mode by pressing one of the buttons below the screen and the DATA WHEEL is used to navigate and edit in the menu currently being displayed. Depending on the menu, you will press or turn the DATA WHEEL to select items and adjust settings, as described in this manual and shown on screen. Using the DATA WHEEL is intuitive, but if you ever get lost, just press EXIT to return to play mode.

Footswitch Modes

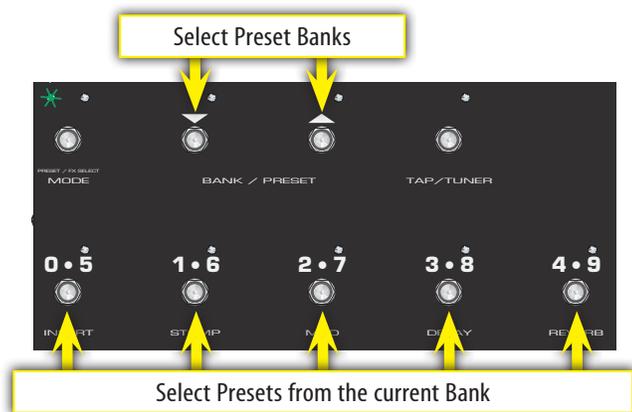


Press the MODE button to switch between PRESET and FX SELECT modes:

PRESET Mode



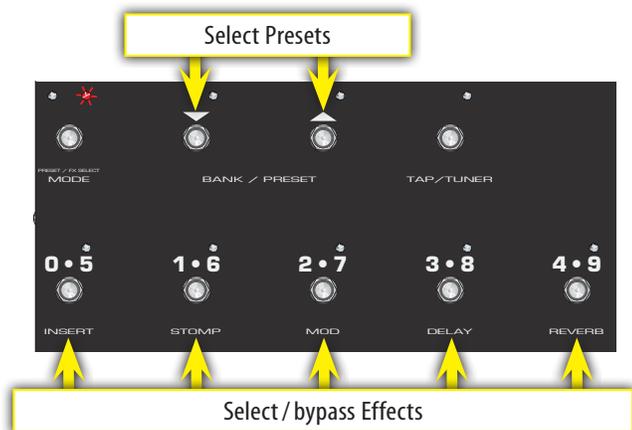
In PRESET mode the green LED lights up and the bottom five footswitch buttons (0•5, 1•6, 2•7, 3•8, 4•9) are used to select presets from the current bank of five presets. Press the BANK/PRESET buttons to select different banks of five presets to choose from, then press one of the numbered footswitch buttons to select a preset from the bank as displayed on screen.



FX SELECT Mode



In FX SELECT mode the red LED lights up and the bottom five footswitch buttons (INSERT, STOMP, MOD, DELAY, REVERB) are used to select/bypass effects for the current preset (the INSERT button selects/bypasses external effects connected to the INSERT LOOP jacks). Press the BANK/PRESET buttons to select presets up or down, one at a time.



Each FX Select footswitch button will function only when an effect is assigned to that category for the current preset. See Effect Menus on page 4 to choose effects.

Tap / Tuner



Use the TAP/TUNER button to:

- Tap in delay time or modulation rate effect settings
- Activate the on-board guitar tuner

TAP Button

When either a delay or modulation effect is active, the LED next to the TAP/TUNER button will blink in sync with the effect time/rate setting (modulation rates can have up to 12 second intervals and the LED may blink infrequently). If both a delay and modulation effect are active simultaneously, the LED will blink in sync with the delay effect and the TAP/TUNER button will only control the delay time setting (you can bypass the delay effect temporarily if you want to use the TAP/TUNER button to set the modulation rate).

You can use the effect settings menus or Fender FUSE to set delay time and modulation rates more precisely.

Using TAP to set effect time/rate settings:

1. Select a delay or modulation effect that causes the TAP/TUNER LED to blink, using the effects menus (see "Selecting Effects" under Effects Menus, page 4).
2. Press the TAP/TUNER button rhythmically (twice minimum) in time with the desired interval. If you press the TAP/TUNER button only once, the interval will be set to the maximum value. You can see the maximum/minimum values for the current effect in the effect settings menu (see page 5).

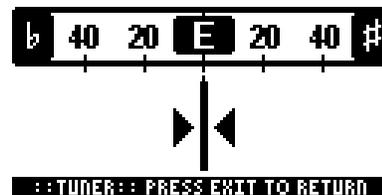
Watch the actual time/rate TAP values change while you are tapping them in, by opening the effect settings menu!

TUNER Button

The Mustang™ Floor has a built-in Tuner mode that displays a chromatic guitar tuner on screen.

To use the Tuner:

1. Press and hold the TAP/TUNER button until the Tuner screen appears.
2. Strike any single string on your guitar and watch the screen. The note of the string being tuned is displayed along with a fine tuning needle:



3. Turn the tuning peg on your guitar until the fine tuning needle indicates the string is in tune, as shown above.
4. Press EXIT or TAP/TUNER to exit from the Tuner.

Amplifier Menus

Bypassing Amp Settings

AMP You can turn on or off (bypass) all amp settings that have been selected for the current preset by pressing the AMP button. The amp menus contain amplifier modeling selections, and settings for a variety of parameters such as tone, gain, volume, and speaker cabinet simulation.

The Amp name is highlighted and the AMP button lights up when Amp settings are active



Preset Information screen

Selecting Amplifier Models

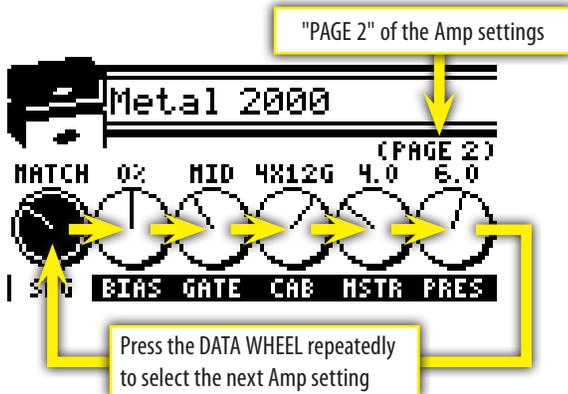
1. Press and hold the AMP button until the amp menu opens.
2. Turn the DATA WHEEL to select one of 13 amplifier models:

AMP MODELS			
'57 Deluxe	'65 Princeton	British '60s	American '90s
'59 Bassman	'65 Twin Reverb	British '70s	Metal 2000
'57 Champ	Super-Sonic (Burn)	British '80s	Studio Preamp
'65 Deluxe Reverb			

3. Press EXIT to return to play mode.

Adjusting Amplifier Settings

1. Press and hold the AMP button until the amp menu opens.
2. Press the DATA WHEEL one or more times until the setting that you want to adjust is highlighted, then turn the DATA WHEEL to adjust the setting. (Press the DATA WHEEL repeatedly to access "Page 2" of the amplifier settings.)



🎵 You can hold down the AMP button and turn the DATA WHEEL to scroll through settings faster! To de-select a highlighted amp setting, press and hold the AMP button momentarily.

3. Press EXIT to return to play mode.

Effects Menus

Bypassing Effects

You can turn on or off (bypass) effects that have been selected for the current preset by pressing the corresponding effect button.

The Effect name is highlighted and the Effect button lights up when an effect is active



Preset Information screen

🎵 Effects can also be bypassed (turned on-off) using the footswitch buttons when in FX SELECT mode.

Effects that are shown on screen as "-EMPTY-" can not be activated until an effect has been selected in that category (see Selecting Effects, below).

Selecting Effects

- STOMP** — Stompbox effects
- MOD** — Modulation effects
- DELAY** — Delay effects
- REVERB** — Reverb effects

To select Effects:

1. Press and hold one of the four effects buttons to open the effects menu.
2. Turn the DATA WHEEL to select one of the corresponding effects:

STOMPBOX	MODULATION	DELAY	REVERB
Overdrive	Sine Chorus	Mono Delay	Small Hall
Wah	Triangle Chorus	Mono Echo Filter	Large Hall
Touch Wah	Sine Flanger	Stereo Echo Filter	Small Room
Fuzz	Triangle Flanger	Multitap Delay	Large Room
Fuzz Touch Wah	Vibratone	Ping Pong Delay	Small Plate
Simple Compressor	Vintage Tremolo	Ducking Delay	Large Plate
Compressor	Sine Tremolo	Reverse Delay	Ambient
	Ring Modulator	Tape Delay	Arena
	Step Filter	Stereo Tape Delay	Fender '63 Spring
	Phaser		Fender '65 Spring
	Pitch Shifter		

3. Press EXIT to return to play mode.

🎵 You can switch to a different effects category at any time, even while you are in the effects selection menus, by pressing and holding a different Effects button.

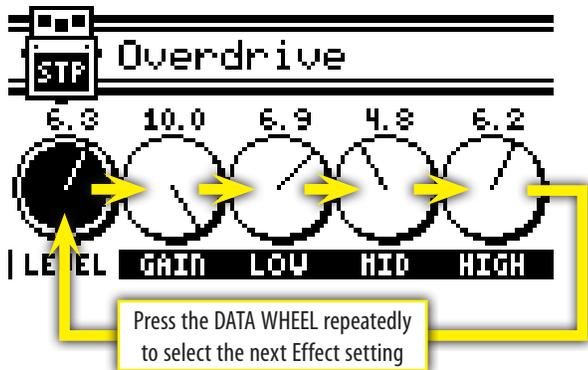
Adjusting Effect Settings

1. Press and hold one of the four effect buttons (STOMP, MOD, DELAY, REVERB) to open the corresponding effects menu.
2. Turn the DATA WHEEL to select the effect you want to work with.

MUSTANG™ FLOOR

- Press the DATA WHEEL one or more times until the setting that you want to adjust is highlighted, then turn the DATA WHEEL to adjust the setting.

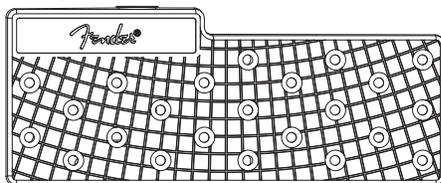
You can also hold down an Effect button and turn the DATA WHEEL to scroll through settings faster!



- Press EXIT to return to play mode.

You can bypass an effect at any time, even while you are in the effect settings menus, by pressing the Effect button, or corresponding footswitch button (when in FX SELECT mode).

Expression Pedal



Your Mustang™ Floor is equipped with a dual-mode expression pedal. Switch between Volume mode and Expression mode by pressing down hard on the toe end of the pedal. An icon in the upper right corner of the screen displays the current pedal mode. "VOLUME OFF" or "EXP OFF" appears if the current pedal mode is set to "off" for the current preset in the Volume Enable or Expression Behavior pedal menus below.



Volume mode is used to control master volume (or the pedal can be set to off in Volume mode).

Expression mode can be used to control almost any effect or amp parameter on the Mustang Floor (or the pedal can be set to off in Expression mode). Some common uses are to control the frequency parameter of a Wah effect or the rate/time parameter of a modulation or delay effect.

Pedal Menus

PEDAL Press the PEDAL button to configure the Mustang Floor expression pedal as well as an external EXP-1 expression pedal (optional) when connected. Press the PEDAL button repeatedly to access each of the pedal menus described below. Many menu items are dynamic and only appear under the appropriate conditions. For example, if Expression Behavior mode is set to "off," none of the parameter menus for Expression mode will appear. Likewise, all EXP-1 pedal parameters will appear only when an EXP-1 pedal is connected to the Mustang Floor. Note: EXP-1 menu items are prefaced with "EXP-1" instead of "FLOOR" on screen.

The current Volume or Expression mode state of the pedal is stored with the current preset when you save a preset. See "Pedal Default" under Utility Menus on page 7 to override.

VOLUME MODE MENUS

- Volume Enable** — (On/Off) Select "On" if you want the pedal to control the master volume level in Volume mode, or select "Off" if you want the pedal to be off in Volume mode.
- Global Volume Heel / Global Volume Toe** — (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 Global Volume Heel and Toe settings are stored globally and affect all presets. Every other pedal parameter is stored locally and affects an individual preset.

EXPRESSION MODE MENUS

- Expression 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 Mustang Floor to make that category of effect become available for selection in this menu.

- Expression 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 Behavior menu above, and the effect module selected for the current preset.

- Expression Heel / Expression Toe** — (Variable) Use these menus 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 Behavior menu, above.

- 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 has been selected.

MUSTANG™ FLOOR

• **Bypass Effect** — (On/Off) Select "On" to bypass the effect currently selected in the Expression Behavior menu when switching the pedal to Volume mode or select "Off" to leave the effect active.

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

Pedal Calibration

Occasionally it may become necessary to calibrate the Mustang Floor's expression pedal and/or an EXP-1 expression pedal connected to the Mustang Floor, to reset the parameter range of the pedal(s) to ensure consistent performance.

To calibrate the expression pedal and EXP-1 pedal:

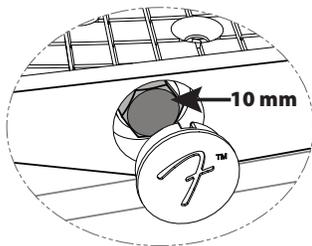
1. (Optional) Plug an EXP-1 pedal into the "EXP-1 / MS-4" jack on the back of the Mustang Floor using the included cable.
2. Turn the Mustang Floor off.
3. Press and hold the UTIL button on the Mustang Floor while turning the Mustang Floor back on. Continue holding the UTIL button down until it is no longer illuminated.
4. Rock the Mustang Floor expression pedal (and the EXP-1, if connected), through the full range of motion between heel and toe positions.
5. The Mustang Floor expression pedal and the EXP-1, if connected, have been calibrated!

Pedal Tension

Occasionally it may become necessary to adjust the tension of the axle nut on the expression pedal to increase or decrease the ease of pedal movement.

To adjust pedal tension:

Pry off the circular "F" cap from the right side of the pedal with a small flat blade screwdriver, then use a 10 mm socket wrench to adjust the axle tension. Do not over-tighten the axle nut to avoid damaging the pedal assembly.



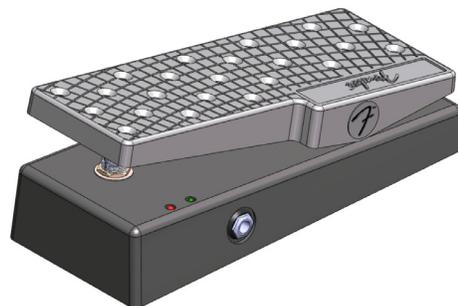
EXP-1 & MS-4



Your Mustang™ Floor gives you the option of adding an external EXP-1 expression pedal and an MS-4 four-button footswitch for additional flexibility. Both the EXP-1 and MS-4 can be connected together through the EXP-1 / MS-4 jack on the back of the Mustang Floor.

🎵 To use the EXP-1 and MS-4 simultaneously, plug the EXP-1 into the Mustang Floor and then plug the MS-4 into the second jack on the EXP-1.

EXP-1 Expression Pedal (P/N 2301050000)



Configure the EXP-1 expression pedal through the pedal menus (see Pedal Menus, page 5). The EXP-1 only functions in Expression mode when connected to the Mustang Floor. The green LED indicates when the EXP-1 pedal is powered on and the red LED indicates whether Expression mode is currently enabled.

MS-4 Four-Button Footswitch (P/N 0080996000)

The MS-4 footswitch display and LEDs show you much of the same information as the Mustang Floor screen, so you can for example, tune your guitar and select presets by watching the footswitch without ever looking at the screen onboard the Mustang Floor! The MS-4 allows you to:

- Select Quick Access presets (QA1/QA2/QA3)
- Select presets (up/down/bank)
- Bypass effects
- Activate the Tuner



The footswitch has three modes that are identified by the three LEDs labeled **MODE 1**, **MODE 2** and **MODE 3**. The footswitch also has a Tuner mode which is indicated when all of the mode LEDs are off.

To switch between modes, press the MODE button. To activate Tuner mode, press and hold the MODE button.

• **Mode 1**—Select one of three Quick Access presets using the buttons labeled: **QA1 / QA2 / QA3** (in line with the MODE 1 LED). The number of the preset will appear in the display of the footswitch.

🎵 You can assign any preset to be a Quick Access preset in the utility menus. (see Utility Menus, page 7).

• **Mode 2**—Select presets down/up, or in banks of 10, using the buttons labeled: **DOWN / UP / BANK** (in line with the MODE 2 LED). The number of the preset will appear in the display of the footswitch.

• **Mode 3**—Bypass the Stompbox, Modulation or Delay effects, using the buttons labeled: **STOMP / MOD / DELAY** (in line with the MODE 3 LED). The footswitch button LEDs indicate the effects that are active.

• **Tuner Mode**—Press and hold the MODE button to activate the Tuner. The screen on the Mustang Floor and the footswitch both display tuner information. The footswitch will display the nearest note and the button LEDs will indicate sharp and flat. "In tune" is indicated when the green LED below the footswitch display lights up. Press any footswitch button to exit Tuner mode.

Saving Presets

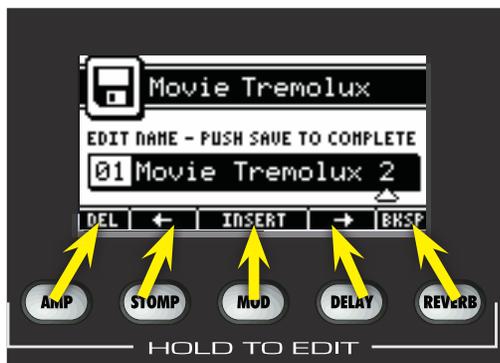
Your Mustang™ Floor gives you the powerful ability to save every setting on the unit as part of a preset. When you select a preset, every effect setting, amp setting and expression pedal parameter is instantly recalled to your pre-programmed settings.

SAVE The SAVE button will light up **red** when you edit any setting on the Mustang Floor. This indicates that you have temporarily modified the current preset. You can undo your modifications simply by selecting a different preset and then back again to the preset you started from.

The EXIT button will not cancel temporary changes to the current preset. Only by selecting a different preset using the DATA WHEEL, Footswitch, or Fender FUSE, will your temporary changes be erased.

To save your own custom presets:

1. To save a custom preset, first modify an existing preset by changing any setting(s) that you choose.
2. Press the SAVE button. The SAVE and EXIT buttons should light up. You can press EXIT at this point to cancel the save process.
3. Turn the DATA WHEEL to select a preset destination to overwrite.
4. Press the DATA WHEEL if you want to edit the name of your new preset. Use the soft-key buttons to perform the corresponding functions shown along the bottom of the screen. Turn the DATA WHEEL to select characters.



5. Press the SAVE button a second time to confirm the save. Your new preset has been created!

Memory Lock must be off to save presets (see "Memory Lock" under the Utility Menus, below).

Utility Menus

UTIL Press the UTIL button to activate the utility menus. Press the UTIL button repeatedly to step through each of the utility menus. Turn the DATA WHEEL to make selections. All Utility menu settings are stored globally and affect all presets. Some of the descriptions below cover multiple menus and are not in the exact same order in which they appear on the Mustang Floor.

For the best results when connecting the Mustang Floor into the INPUT jack on a guitar amplifier (rather than the power amp input), set your amp as clean as possible using a low gain setting and start with your BASS and TREBLE tone controls turned down and your MID tone control turned up, then adjust as needed.

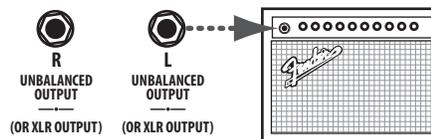
• **Output Configure** — (Mono/Stereo) If "Mono" (default) is selected, left and right channels are summed together *prior* to the output voicing and bass/treble menus below; you can independently set the voicing and bass/treble settings for the left and right UNBALANCED OUT jacks and XLR OUT jacks only when the output configure menu is set to "Mono." Select "Stereo" to send stereo left and right channel signals to the left and right UNBALANCED OUT jacks and XLR OUT jacks.

• **Left / Right Output Voicing -OR- Output Voicing** — (PA System, PA+Bass, PA+Treble, PA Mid-Scoop, Combo Amp, Combo+Bass, Combo+Treble, Combo Mid-Scoop, Stack Amp, Stack+Bass, Stack+Treble, Stack Mid-Scoop) When the Output Configure menu (above) is set to "Mono" you can *independently* choose the "voicing" of the signals sent out through the left and right UNBALANCED OUT jacks and XLR OUT jacks. When the Output Configure menu is set to "Stereo," only one Output Voicing menu is available and both left and right channels must be set to the same voicing. The voicing options are active only when the Amp settings are active (not bypassed) and a speaker cabinet is selected within the Amp settings (see Amplifier Menus, page 4). While the PHONES jack is used, output voicing is *internally* set to "PA System" for all analog outputs (UNBALANCED, XLR and PHONES, but not USB) and the settings selected in the voicing menus are temporarily ignored.

It is recommended that you start with one of the 3 main voicings (PA System, Combo, or Stack) and then choose one of the alternatives (+Bass, +Treble, Mid-Scoop) only if you find the main settings lacking in bass, treble, or having too much mid-frequency response.

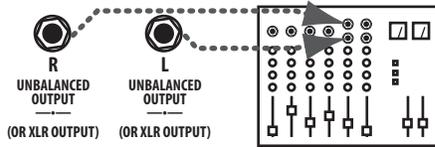
Below are some suggested ways you can use the Output Configure menu settings combined with the Output Voicing menus:

1. **Mono combo guitar amplifier (default):** Set Output Configure to "Mono" and set either Left Output Voicing or Right Output Voicing to "Combo," corresponding to the left or right jack you are using.

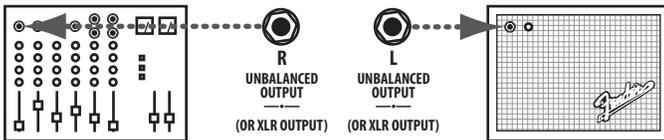


MUSTANG™ FLOOR

2. **Stereo PA system:** Set Output Configure to "Stereo" and set Output Voicing to "PA System."



3. **Mono PA system -AND- Mono monitor (or combo amplifier):** Set Output Configure to "Mono," then set Right Out Voicing to "PA System" and Left Out Voicing to "Combo."



- **Left / Right Bass, Left / Right Treble -OR- Bass / Treble** — (0%-100%) Use these utility menus to adjust the bass and treble levels of the signals sent from the UNBALANCED OUT, XLR OUT, and PHONES jacks. Select "0%" for the least amount of bass/treble and select "100%" (default setting) for maximum bass/treble. When the Output Configure menu (above) is set to "Mono" you can set the bass and treble levels *independently* for the left and right UNBALANCED OUT jacks and XLR OUT jacks. When the Output Configure menu is set to "Stereo," only one Bass and one Treble menu are available and both left and right channels must be set to the same setting.

- **Memory Lock** — (0n/Off) Use this menu to prevent accidental preset modifications. You will still be able to make *temporary* changes to presets with memory lock on, but you won't be able to save those changes until memory lock is switched off.

- **Pedal Default** — (From Preset/From Pedal) Select "From Preset" if you want the pedal mode (volume or expression) to always be set to the mode last stored with each preset, or select "From Pedal" if you want to override the stored preset pedal mode and keep the pedal in whatever mode it's currently in when you select a preset.

- **Quick Access #1 / #2 / #3** — (Preset 00-99) Use these three utility menus to choose Quick Access presets. You can then access those presets quickly from the MS-4 footswitch (see MS-4 on page 6). These menus appear only when an MS-4 is connected.

- **LCD Contrast** — (0-100) Use this menu to adjust the contrast of the Mustang Floor display.

- **MIDI In Channel** — (1-16, 0nmi) Select the MIDI receiving channel.

- **MIDI Out Channel** — (1-16) Select the MIDI transmitting channel.

- **MIDI Through** — (0n/Off) Turn MIDI echo on or off. Note: Sysex packets are not echoed. If you are using the Mustang Floor with other gear that requires Sysex, it is recommended that the Mustang Floor is placed at the end of your MIDI chain.

- **Pedal Volume CC# / Pedal Expression CC#** — (0-127) Select the Continuous Controller number transmitted by the pedal level in Volume mode and in Expression mode using these utility menus.

- **Pedal Switch CC#** — (0-127) Select the Continuous Controller number transmitted when switching the pedal between Volume mode and Expression mode.

- **EXP-1 Expression CC#** — (0-127) Select the Continuous Controller number transmitted by the EXP-1 pedal level. This menu appears only when an EXP-1 is connected.

- **EXP-1 Switch CC#** — (0-127) Select the Continuous Controller number transmitted when the EXP-1 pedal is switched on-off. This menu appears only when an EXP-1 is connected.

- **About This Amp** — This menu displays the Firmware version currently running on the unit. Use this information to determine if an update is available for your Mustang Floor.

Output Jacks

Unbalanced Outputs



The Mustang Floor provides unbalanced outputs for connection to mono or stereo amplifiers or a combination of sound equipment. Use the utility menu (see Utility Menus, page 7) to adjust the mixing and voicing of the signals sent from these jacks. Use the LEVEL knob to adjust the output level to accommodate the input sensitivity of outboard equipment and avoid unwanted signal distortion.

XLR Outputs



The Mustang Floor provides XLR outputs for connection to soundboards and recording equipment when a low signal-to-noise ratio is required. Use the LEVEL knob to adjust the output level to accommodate the input sensitivity of outboard equipment. Use the utility menu (see Utility Menus, page 7) to adjust the mixing and voicing of the signals sent from these jacks. Press the GROUND LIFT button IN to disconnect the ground connection which may reduce line noise in some situations. Normally leave this button in the OUT position.

Aux / Phones Jacks

Auxiliary Input

 You can use the Auxiliary jack to input audio into your Mustang Floor for accompaniment. Connect the headphone output on your media player to the AUX IN jack using a mini-stereo cable. Use the volume control on your player to adjust the auxiliary volume level.

Phones Jack

PHONES Plug in your headphones, ear buds, or powered speakers to enjoy the Mustang Floor's stereo features. This jack may also be used as a stereo recording output. The output voicing is automatically set to "PA SYSTEM" while the PHONES jack is used, internally overriding the output voicing setting in the utility menu. Use the LEVEL knob to adjust the output level.

 A headphones icon  will appear on screen when the PHONES jack is in use.

Insert Loop

INSERT LOOP SEND RETURN Connect external effects devices to the Mustang Floor using the SEND and RETURN jacks. Connect SEND to the input on your external effects device and connect RETURN to the output on your effects device. The on/off state of the insert loop is stored as part of each preset.

 You can bypass the external effects that you have connected through the INSERT LOOP by pressing the INSERT footswitch button on the Mustang Floor when in FX SELECT mode.

USB Port

USB Use the USB port to connect the Mustang™ Floor to your computer and take your music to the next level:

- Use Fender® FUSE™ software to control the Mustang Floor from your computer and access bonus features not available from the Mustang Floor alone!

 Please download the Fender FUSE owner's manual from fuse.fender.com for system requirements.

- Record and edit Mustang Floor digital audio using your favorite recording software.

MIDI

MIDI OUT IN The Mustang Floor is MIDI (Musical Instrument Digital Interface) compatible. Use the utility menus (see Utility Menus, page 7) to configure MIDI channel settings and select Continuous Controller numbers (CC#) for outgoing expression pedal events.

Incoming MIDI Program Changes 0-99 are used to select Mustang Floor presets 0-99. Incoming MIDI Continuous Controllers are used to adjust Mustang Floor parameters as listed in the MIDI Appendix starting on page 10.

Factory Restore & Firmware Update

Factory Restore

You can restore your Mustang Floor to the original factory settings if desired. All user presets will be erased!

To restore the Mustang Floor to factory settings:

1. Turn the unit off.
2. Press and hold the EXIT button while turning the unit back on. Continue holding the EXIT button until it is no longer illuminated.

 The FACTORY RESTORE function will erase all user modified presets. It will also remove any custom effect selections that have been modified using Fender FUSE software.

Firmware Update

From time to time, Fender may make available firmware updates for your Mustang Floor to improve operation or to add new features. To update the firmware on your unit you will need to connect it through the USB port to a computer with Fender FUSE software and an internet connection.

 Please see the Fender FUSE manual at fuse.fender.com for details.

FAQ

There are several great places you can go to learn more about your Mustang Floor:

- www.fender.com/support
- Join a Fender Community forum where you can ask questions and read threads. There's even a forum just for the Mustang: www.fender.com/community/forums
- Log on to the Fender Knowledge Base to download and read "Frequently Asked Questions" (FAQ): www.fender.com/community/forums/faq.php



MIDI Appendix

Stomp CC's					
Bypass = CC# 23 (0-63 effect OFF, 64-127 effect ON)					
CC# 28 = Stomp Effect	CC# 29	CC# 30	CC# 31	CC# 32	CC# 33
None = 0	-	-	-	-	-
Overdrive = 1	Level	Gain	Low	Mid	High
Wah = 2	Mix	Frequency	Heel Freq	Toe Freq	High Q
Touch Wah = 3	Mix	Sensitivity	Heel Freq	Toe Freq	High Q
Fuzz = 4	Level	Gain	Octave	Low	High
Fuzz Touch Wah = 5	Level	Gain	Sensitivity	Octave	Peak
Simple Comp = 6	Type	-	-	-	-
Compressor = 7	Level	Threshold	Ratio	Attack Time	Release Time

Modulation CC's					
Bypass = CC# 24 (0-63 effect OFF, 64-127 effect ON)					
CC# 38 = Mod Effect	CC# 39	CC# 40	CC# 41	CC# 42	CC# 43
None = 0	-	-	-	-	-
Sine Chorus = 1	Level	Rate	Depth	Average Delay	LR Phase
Triangle Chorus = 2	Level	Rate	Depth	Average Delay	LR Phase
Sine Flanger = 3	Level	Rate	Depth	Feedback	LR Phase
Triangle Flanger = 4	Level	Rate	Depth	Feedback	LR Phase
Vibratone = 5	Level	Rotor Speed	Depth	Feedback	LR Phase
Vintage Tremolo = 6	Level	Rate	Duty Cycle	Attack Time	Release Time
Sine Tremolo = 7	Level	Rate	Duty Cycle	LFO Clipping	Tri Shaping
Ring Modulator = 8	Level	Frequency	Depth	LFO Shape	LFO Phase
Step Filter = 9	Level	Rate	Resonance	Min Freq	Max Freq
Phaser = 10	Level	Rate	Depth	Feedback	LFO Shape
Pitch Shifter = 11	Level	Pitch	Detune	Feedback	Pre Delay
Wah = 12	Mix	Frequency	Heel Freq	Toe Freq	High Q
Touch Wah = 13	Mix	Sensitivity	Heel Freq	Toe Freq	High Q

Delay CC's						
Bypass = CC# 25 (0-63 effect OFF, 64-127 effect ON)						
CC# 48 = Delay Effect	CC# 49	CC# 50	CC# 51	CC# 52	CC# 53	CC# 54
None = 0	-	-	-	-	-	-
Mono Delay = 1	Level	Delay Time	Feedback	Brightness	Attenuation	-
Mono Echo Filter = 2	Level	Delay Time	Feedback	Frequency	Resonance	Input Level
Stereo Echo Filter = 3	Level	Delay Time	Feedback	Frequency	Resonance	Input Level
Multitap Delay = 4	Level	Delay Time	Feedback	Brightness	Mode	-
Ping Pong Delay = 5	Level	Delay Time	Feedback	Brightness	Stereo	-
Ducking Delay = 6	Level	Delay Time	Feedback	Release	Threshold	-
Reverse Delay = 7	Level	Delay Time	FFdbk	RFdbk	Tone	-
Tape Delay = 8	Level	Delay Time	Feedback	Flutter	Brightness	Stereo
Stereo Tape Delay = 9	Level	Delay Time	Feedback	Flutter	Separation	Brightness

MUSTANG™ FLOOR

Reverb CC's					
Bypass = CC# 26 (0-63 effect OFF, 64-127 effect ON)					
CC# 58	CC# 59	CC# 60	CC# 61	CC# 62	CC# 63
None = 0	-	-	-	-	-
Small Hall = 1	Level	Decay	Dwell	Diffusion	Tone
Large Hall = 2	Level	Decay	Dwell	Diffusion	Tone
Small Room = 3	Level	Decay	Dwell	Diffusion	Tone
Large Room = 4	Level	Decay	Dwell	Diffusion	Tone
Small Plate = 5	Level	Decay	Dwell	Diffusion	Tone
Large Plate = 6	Level	Decay	Dwell	Diffusion	Tone
Ambient = 7	Level	Decay	Dwell	Diffusion	Tone
Arena = 8	Level	Decay	Dwell	Diffusion	Tone
63 Fender Spring = 9	Level	Decay	Dwell	Diffusion	Tone
65 Fender Spring = 10	Level	Decay	Dwell	Diffusion	Tone

Amp CC's											
Bypass = CC# 27 (0-63 amp OFF, 64-127 amp ON)											
CC# 68	CC# 69	CC# 70	CC# 71	CC# 72	CC# 73	CC# 74	CC# 75	CC# 76	CC# 77	CC# 78	CC# 79
None = 0	-	-	-	-	-	-	-	-	-	-	-
Fender '57 Deluxe = 1	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	-	-
Fender '59 Bassman = 2	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Presence	Blend
Fender '57 Champ = 3	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	-	-
Fender '65 Deluxe Reverb = 4	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	-	-
Fender '65 Princeton = 5	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	-	-
Fender '65 Twin Reverb = 6	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	-	-
Fender Super-Sonic (Burn) = 7	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Gain2	Master Vol
British '60s = 8	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Cut	Master Vol
British '70s = 9	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Presence	Blend
British '80s = 10	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Presence	Master Vol
American '90s = 11	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Presence	Master Vol
Metal 2000 = 12	Gain	Ch. Volume	Treble	Middle	Bass	Sag	Bias	Noise Gate Type	Cab	Presence	Master Vol
Studio Preamp = 13	Gain	Ch. Volume	Treble	Middle	Bass	-	-	Noise Gate Type	Cab	-	-

Miscellaneous CC's
Pedal Volume = CC# 7
Tuner Toggle = CC# 20 (0-63 Tuner OFF, 64-127 Tuner ON)
All FX Bypass = CC# 22 (0-63 All effects OFF, 64-127 All effects ON)
Fx Insert = CC# 27 (0-63 Insert OFF, 64-127 Insert ON)
Tap Tempo = CC# 80

Program Changes
Values 0-99 select presets 0-99

Specifications

TYPE:	PR 2300		
PART NUMBERS:	2301060000 (120V, 60Hz) 2301063000 (240V, 50Hz) AUS DS 2301066000 (230V, 50Hz) EUR DS	2301060000 (120V, 60Hz) DS 2301064000 (230V, 50Hz) UK DS 2301067000 (100V, 50/60Hz) JPN DS	2301061000 (110V, 60Hz) TW DS 2301065000 (220V, 50Hz) ARG DS 2301069000 (220V, 60Hz) ROK DS
POWER REQUIREMENTS:	AC/DC ADAPTER: 12VDC 800mA		
INPUT IMPEDANCE	GIUITAR: 1MΩ	AUX: 13kΩ	
FOOTSWITCHES (OPTIONAL):	EXP-1 expression pedal (P/N 2301050000)	MS-4 four-button footswitch (P/N 0080996000)	
DIMENSIONS	520mm W x 220mm D x 80 mm H		
WEIGHT:	9 lb (4.08 kg)		



Product specifications are subject to change without notice.

部件名称 (Part Name)	有毒有害物质或元素 (Hazardous Substances' Name)					
	铅 (PB)	汞 (Hg)	镉 (Cd)	六价铬 (Cr ⁶⁺)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
部分电子元件	X	O	O	O	O	O
部分机械加工金属部件	X	O	O	O	O	O
部分其他附属部件	X	O	O	O	O	O

O: 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 规定的现量要求以下
X: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 规定的现量要求

This product is covered by one or more of the following patents:
US Pat. 6,222,110

AMPLIFICADOR DE AUDIO

IMPORTADO POR: Instrumentos Musicales Fender S.A. de C.V., Calle Huerta # 132, Col. Carlos Pacheco, C.P. 228890, Ensenada, Baja California, Mexico.
RFC: IMF870506R5A Hecho en China. Servicio de Cliente: 001-8665045875

A PRODUCT OF:

FENDER MUSICAL INSTRUMENTS CORPORATION
CORONA, CALIFORNIA, USA

Fender®, Mustang™ and Fender® FUSE™ are trademarks of FMIC.
Other trademarks are property of their respective owners.
Copyright © 2012 FMIC. All rights reserved.

(ENGLISH) REV. B