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.
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.

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.

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.
**Amplifier Menus**

**Bypassing Amp Settings**

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.

**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:

<table>
<thead>
<tr>
<th>AMP MODELS</th>
<th>57 Deluxe</th>
<th>'65 Princeton</th>
<th>British '60s</th>
<th>American '90s</th>
</tr>
</thead>
<tbody>
<tr>
<td>59 Bassman</td>
<td>'65 Twin Reverb</td>
<td>British '70s</td>
<td>Metal 2000</td>
<td></td>
</tr>
<tr>
<td>57 Champ</td>
<td>Super-Sonic (Burn)</td>
<td>British '80s</td>
<td>Studio Preamp</td>
<td></td>
</tr>
<tr>
<td>'65 Deluxe Reverb</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.)

**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.

**Selecting Effects**

- **Stompbox effects**
- **Modulation effects**
- **Delay effects**
- **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:

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

3. Press EXIT to return to play mode.

**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.

💡 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 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!

4. 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).

Pedal Menus

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.
• **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 overtighten 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.
**Utility Menus**

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 — 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.

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

---

**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.

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!

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

![Diagram of Mustang Floor](image)

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.”

![Diagram of Mustang Floor](image)

- **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** — (On/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, Omni) Select the MIDI receiving channel.

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

- **MIDI Through** — (On/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 menus (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 menus (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

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

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

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

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
### Stomp CC's

<table>
<thead>
<tr>
<th>Bypass = CC# 23 (0-63 effect OFF, 64-127 effect ON)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC# 28 = Stomp Effect</strong></td>
</tr>
<tr>
<td>None = 0</td>
</tr>
<tr>
<td>Overdrive = 1</td>
</tr>
<tr>
<td>Wah = 2</td>
</tr>
<tr>
<td>Touch Wah = 3</td>
</tr>
<tr>
<td>Fuzz = 4</td>
</tr>
<tr>
<td>Fuzz Touch Wah = 5</td>
</tr>
<tr>
<td>Simple Comp = 6</td>
</tr>
<tr>
<td>Compressor = 7</td>
</tr>
</tbody>
</table>

### Modulation CC's

<table>
<thead>
<tr>
<th>Bypass = CC# 24 (0-63 effect OFF, 64-127 effect ON)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC# 38 = Mod Effect</strong></td>
</tr>
<tr>
<td>None = 0</td>
</tr>
<tr>
<td>Sine Chorus = 1</td>
</tr>
<tr>
<td>Triangle Chorus = 2</td>
</tr>
<tr>
<td>Sine Flanger = 3</td>
</tr>
<tr>
<td>Triangle Flanger = 4</td>
</tr>
<tr>
<td>Vibrato = 5</td>
</tr>
<tr>
<td>Vintage Tremolo = 6</td>
</tr>
<tr>
<td>Sine Tremolo = 7</td>
</tr>
<tr>
<td>Ring Modulator = 8</td>
</tr>
<tr>
<td>Step Filter = 9</td>
</tr>
<tr>
<td>Phaser = 10</td>
</tr>
<tr>
<td>Pitch Shifter = 11</td>
</tr>
<tr>
<td>Wah = 12</td>
</tr>
<tr>
<td>Touch Wah = 13</td>
</tr>
</tbody>
</table>

### Delay CC's

<table>
<thead>
<tr>
<th>Bypass = CC# 25 (0-63 effect OFF, 64-127 effect ON)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CC# 48 = Delay Effect</strong></td>
</tr>
<tr>
<td>None = 0</td>
</tr>
<tr>
<td>Mono Delay = 1</td>
</tr>
<tr>
<td>Mono Echo Filter = 2</td>
</tr>
<tr>
<td>Stereo Echo Filter = 3</td>
</tr>
<tr>
<td>Multitap Delay = 4</td>
</tr>
<tr>
<td>Ping Pong Delay = 5</td>
</tr>
<tr>
<td>Ducking Delay = 6</td>
</tr>
<tr>
<td>Reverse Delay = 7</td>
</tr>
<tr>
<td>Tape Delay = 8</td>
</tr>
<tr>
<td>Stereo Tape Delay = 9</td>
</tr>
</tbody>
</table>
### Reverb CC's

Bypass = CC# 26 (0-63 effect OFF, 64-127 effect ON)

<table>
<thead>
<tr>
<th>CC# 58</th>
<th>CC# 59</th>
<th>CC# 60</th>
<th>CC# 61</th>
<th>CC# 62</th>
<th>CC# 63</th>
</tr>
</thead>
<tbody>
<tr>
<td>None = 0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Small Hall = 1</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Large Hall = 2</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Small Room = 3</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Large Room = 4</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Small Plate = 5</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
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<tr>
<td>Large Plate = 6</td>
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<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Ambient = 7</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>Arena = 8</td>
<td>Level</td>
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<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
</tr>
<tr>
<td>63 Fender Spring = 9</td>
<td>Level</td>
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<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
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<tr>
<td>65 Fender Spring = 10</td>
<td>Level</td>
<td>Decay</td>
<td>Dwell</td>
<td>Diffusion</td>
<td>Tone</td>
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### Amp CC's

Bypass = CC# 27 (0-63 amp OFF, 64-127 amp ON)

<table>
<thead>
<tr>
<th>CC# 68</th>
<th>CC# 69</th>
<th>CC# 70</th>
<th>CC# 71</th>
<th>CC# 72</th>
<th>CC# 73</th>
<th>CC# 74</th>
<th>CC# 75</th>
<th>CC# 76</th>
<th>CC# 77</th>
<th>CC# 78</th>
<th>CC# 79</th>
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<tbody>
<tr>
<td>None = 0</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Fender '57 Deluxe = 1</td>
<td>Gain</td>
<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
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<td>-</td>
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<tr>
<td>Fender '59 Bassman = 2</td>
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<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Presence</td>
<td>Blend</td>
</tr>
<tr>
<td>Fender '57 Champ = 3</td>
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<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fender '65 Deluxe Reverb = 4</td>
<td>Gain</td>
<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fender '65 Princeton = 5</td>
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<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fender Super-Sonic (Burn) = 7</td>
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<td>Ch. Volume</td>
<td>Treble</td>
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<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Gain2</td>
<td>Master Vol</td>
</tr>
<tr>
<td>British '60s = 8</td>
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<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Cut</td>
<td>Master Vol</td>
</tr>
<tr>
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<td>Middle</td>
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<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Presence</td>
<td>Blend</td>
</tr>
<tr>
<td>British '80s = 10</td>
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<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Presence</td>
<td>Master Vol</td>
</tr>
<tr>
<td>American '90s = 11</td>
<td>Gain</td>
<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Presence</td>
<td>Master Vol</td>
</tr>
<tr>
<td>Metal 2000 = 12</td>
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<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>Sag</td>
<td>Bias</td>
<td>Noise Gate Type</td>
<td>Cab</td>
<td>Presence</td>
<td>Master Vol</td>
</tr>
<tr>
<td>Studio Preamp = 13</td>
<td>Gain</td>
<td>Ch. Volume</td>
<td>Treble</td>
<td>Middle</td>
<td>Bass</td>
<td>-</td>
<td>-</td>
<td>Noise Gate Type</td>
<td>Cab</td>
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</tr>
</tbody>
</table>

### 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
- 2301066000 (220V, 50Hz) ARG DS
- 2301069000 (220V, 60Hz) ROK DS

POWER REQUIREMENTS: AC/DC ADAPTER: 12VDC 800mA

INPUT IMPEDANCE:
- GUITAR: 1MΩ
- AUX: 13kΩ

FOOTSWITCHES (OPTIONAL):
- EXP-1 expression pedal (P/N 2301050000)
- MS-4 four-button footswitch (P/N 0080996000)

DIMENSIONS: 520mm W × 220mm D × 80 mm H

WEIGHT: 9 lb (4.08 kg)

Product specifications are subject to change without notice.

---

<table>
<thead>
<tr>
<th>部件名称 (Part Name)</th>
<th>有毒有害物质或元素 (Hazardous Substances’ Name)</th>
</tr>
</thead>
<tbody>
<tr>
<td>部分电子元件</td>
<td>铅 (Pb), 汞 (Hg), 镉 (Cd), 六价铬 (Cr₆⁺), 多溴联苯 (PBB), 多溴二苯醚 (PBDE)</td>
</tr>
<tr>
<td>部分机器加工金属部件</td>
<td>X, O, O, O, O, O</td>
</tr>
<tr>
<td>部分其他附属部件</td>
<td>X, O, O, O, O, O</td>
</tr>
</tbody>
</table>

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 规定的限量要求以下
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 规定的限量要求

---

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.

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FENDER MUSICAL INSTRUMENTS CORPORATION
CORONA, CALIFORNIA, USA

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