

BRONCO™ 40

40W BASS AMPLIFIER



ADVANCED OWNER'S MANUAL



Advanced Manual

Introduction

This manual is your step-by-step guide to all the advanced features found on your **Bronco™ 40** amplifier. For information on using Fender® FUSE™, Ableton® Live or AmpliTube®, please see the separate manuals for each product available at www.fender.com/support

Navigation

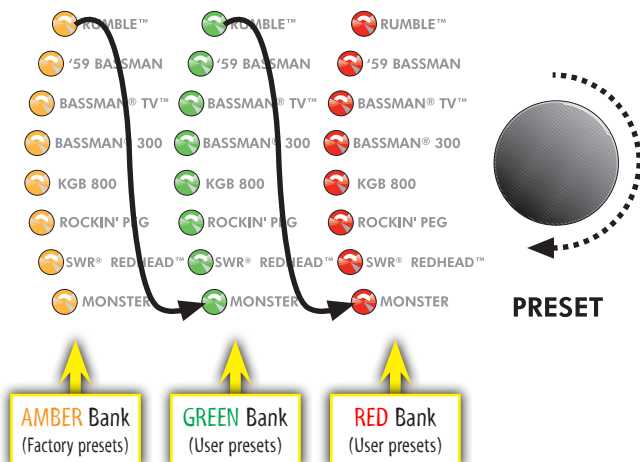
There are just a few basics of Bronco 40 navigation that you should know before you explore any further...

Selecting Presets

The most powerful feature of your Bronco 40 amplifier is its ability to store every amplifier setting and effect selection as a preset that you can instantly recall using the PRESET knob, or remotely from your computer or footswitch.

Use the PRESET knob to select one of 24 presets. Presets are stored in three banks, colored **AMBER**, **GREEN** and **RED**.

Turn the PRESET knob to scroll through each bank of presets in the following order:



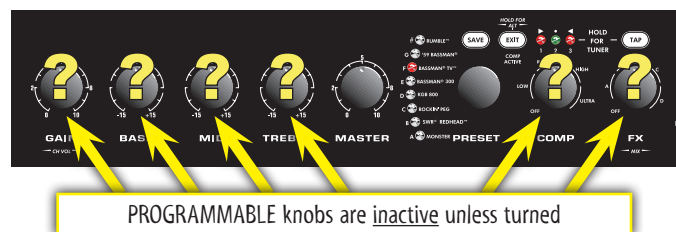
Each preset is based on one of the eight amplifier types labeled next to each of the preset LEDs. That gives you a total of three presets for each amplifier type.

The RED and GREEN banks are for creating your own presets. The AMBER bank of presets can only be modified using Fender FUSE software available free at www.fender.com/support

Each preset includes the settings of all the **programmable** knobs on the Bronco 40, which includes every knob except the MASTER volume and PRESET knobs.

Programmable Knobs

Because the setting of every knob on the Bronco 40 amplifier (except MASTER) is part of each preset, all programmable knobs are normally **inactive** and knob positions will NOT show their actual settings when a preset is first selected.



How do I activate a programmable knob? The moment you turn any programmable knob it instantly becomes **active** and it will remain active until you select a different preset, at which time it becomes inactive again.



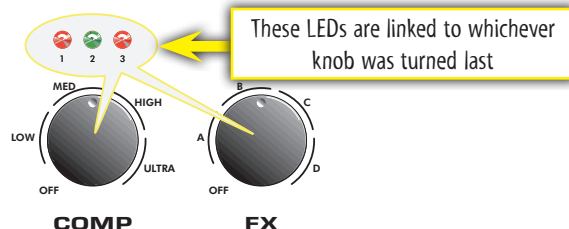
You may hear a big change in volume or tone when you first turn a programmable knob if there happened to be a large difference between the knob's starting position and the stored preset setting. For example, if the VOLUME knob is pointing to "8" but the stored preset VOLUME setting is "2," the volume level will jump from "2" to "8" when you start turning the VOLUME knob because the VOLUME knob is now instantly active at "8."

The only way to know what the preset setting of a knob is *before* you turn it, is by using Fender FUSE software and connecting the Bronco 40 to your computer.

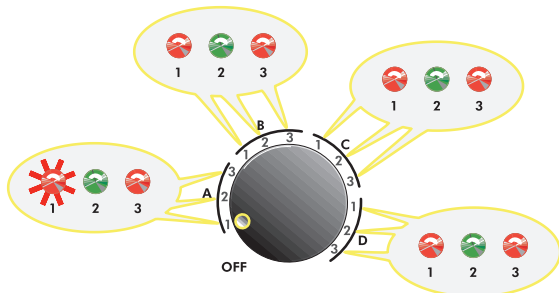
Effects & Compression

Use the FX knob to select effects and the COMP knob to select levels of signal compression.

The FX and COMP knobs share the same three indicator LEDs. The knob that is being turned or has been turned most recently, has control of these LEDs.



The LEDs are numbered 1, 2, 3 and correspond to three positions within each of the 4 selection ranges on each knob. Use the LEDs to determine exactly which position the knob is pointing to, for example, A1, A2 or A3 (A1 is shown below).



Effects Selections

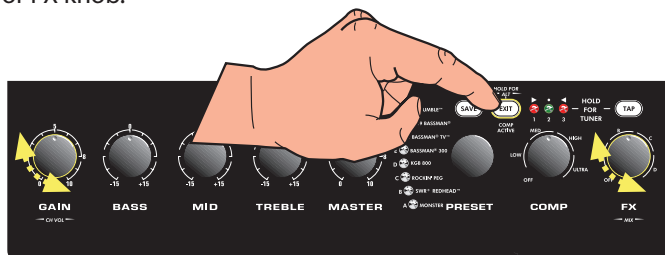
The table below lists the effect selections for the FX knob.

	EFFECTS
A1	Chorus
A2	Flanger
A3	Phaser
B1	Envelope Filter #1
B2	Envelope Filter #2
B3	Octave Down
C1	Small Room Reverb
C2	Mono Delay
C3	Ducking Delay
D1	Combo Effect #1
D2	Combo Effect #2
D3	Combo Effect #3

You can completely change the effects list on your Bronco™ 40 amplifier using Fender® FUSE™ software available at www.fender.com/support

Effects and Channel Volume Levels

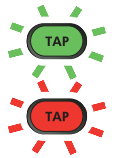
You can adjust the effects level or channel volume level by holding down the EXIT button while rotating either the GAIN or FX knob.



Tap Button

The TAP button can be used to tap in delay time and modulation rate settings:

- **Delay time** — TAP button blinks **green**:
- **Modulation rate** — TAP button blinks **red**:



When you select a delay type effect, the TAP button will blink **green** in time with the delay time setting. When you select a modulation type effect, the TAP button will blink **red** in time with the modulation rate setting.

To set the TAP interval of effects:

1. Select an effect that causes the TAP button to blink, using the FX knob.
2. Press the TAP button twice rhythmically in time with the desired interval.

Press the TAP button just one time to set the delay or modulation interval to its maximum value.

Compression Active

The EXIT button will light up when the compression circuit is actively compressing the signal volume level.



Higher compression settings limit the dynamic volume range of your bass, effectively reducing distortion and increasing sustain. Experiment to find the right setting that suits your style of playing.

XLR Line Output

The LINE OUT jack on the rear panel is a balanced, line level output suitable for connection to mixing consoles and recording equipment. This is a mono output, however, the USB audio connection provides a means to record in stereo (see USB Port on page 5).



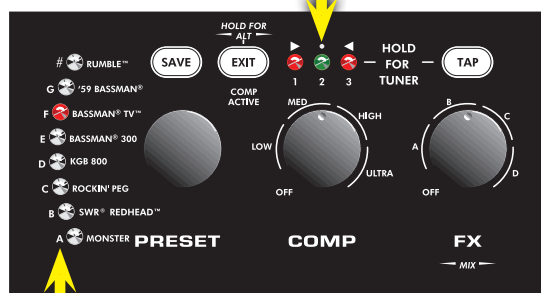
Tuner Button

Your Bronco™ 40 amplifier has a built-in Tuner mode that turns the control panel LEDs into a chromatic bass tuner.

To use the tuner:

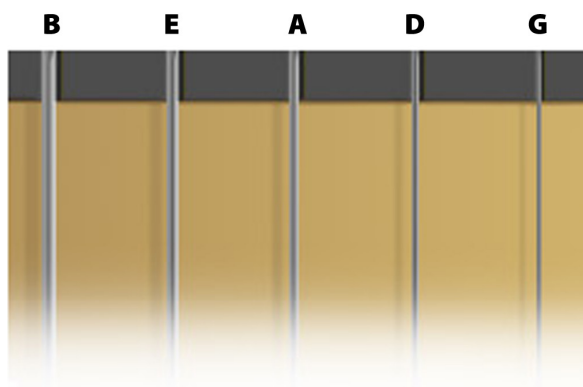
1. Press and hold the TAP button for 2 seconds. The TAP and EXIT buttons will illuminate.
2. Strike any single string on your bass and watch the panel LEDs. The Preset LEDs are used to indicate the note of the string being tuned (the top LED "#" indicates if the note is sharp).

3 LEDs indicate fine tuning. **GREEN** means "in tune"



Letters next to LEDs indicate the note being tuned

3. Turn the tuning peg on your bass until the fine tuning LEDs above the COMP knob indicate the string is in tune, as shown above.
4. Five-string bass tuning is shown below. For four-string basses, omit the "B" string:



5. Press EXIT or TAP to exit from the Tuner.

Save Button



Your Bronco 40 amplifier gives you the powerful ability to save every setting on the amplifier as part of a preset. When you select a preset, the level of each

knob, including effect selections, is instantly recalled to your pre-programmed settings!

The SAVE button will light up **red** when you turn any programmable knob on the amplifier. This indicates that you have temporarily modified the preset. You can reset your modifications simply by selecting a different preset and then back again.



The EXIT button will not cancel changes to the current preset. Only by selecting a different preset using the PRESET knob will your temporary changes be erased.

To save a preset:

1. To save a preset you must first modify an existing preset by turning any of the programmable knobs, such as GAIN or FX. (once the SAVE button is illuminated, you can proceed to step 2).
2. Press the SAVE button. The SAVE and EXIT buttons should be flashing rapidly. You can press EXIT at this point to cancel the save process.
3. Turn the PRESET knob to select a preset to overwrite. You can only overwrite the **red** and **green** banks of the amplifier type that you started from (if you started by modifying the **amber** bank, you must select either the **red** or **green** bank to overwrite).
4. Press SAVE a second time to complete the save process.



*You can modify the **AMBER** bank of presets by using your computer and Fender® FUSE™ software available at www.fender.com/support*

Aux / Phones Jacks

Auxiliary Input

You can use the Auxiliary jack to input audio into your Bronco 40 amplifier for accompaniment. Connect the headphone output on your CD player or MP3 player to the AUX jack using a mini-stereo cable. Use the volume control on your player, together with the MASTER volume knob, to adjust the auxiliary volume level.



Phones Jack

Plug in your headphones or ear buds to enjoy the Bronco 40 privately. The amp's internal speaker is muted when the PHONES jack is used. This is a mono output.



Footswitch



Connect a (optional) 1-button footswitch (P/N 0994049000) into the FTSW jack to enable remote selection of your two favorite presets. The LED (next to the FTSW jack) will turn **red** or **green** to indicate which footswitch preset is active.

To program the footswitch:


1. Select a preset that you want to assign to the footswitch. The preset must not be modified (the SAVE button must NOT be illuminated to proceed to step 2).
2. Press the SAVE button. The SAVE and EXIT buttons should be flashing rapidly. You can press EXIT at this point to cancel the footswitch assignment process.
3. Press the footswitch button to select either the **red** or **green** LED next to the FTSW jack to associate with the chosen preset.
4. Press the SAVE button to confirm the footswitch assignment. Now when you press the footswitch, the chosen preset will be activated with the assigned **red** or **green** footswitch indicator.

USB Port

Use the USB port to connect the Bronco™ 40 amplifier to your computer and take your music to the next level in stereo:




- Use Fender® FUSE™ software to control your Bronco 40 from your computer and access bonus amp features not available from the Bronco 40 alone.

 Please see the Fender FUSE manual at www.fender.com/support for details.

- Record and edit Bronco 40 audio in stereo using Ableton® Live Lite 8 Fender® Edition software.

 Please see the Ableton® Live Lite 8 Fender edition at www.fender.com/support for details.

- Stream live audio and play with people around the world using Fender® BAND JAM, powered by eJamming® AUDiio.

 For a 30-day trial subscription, log on to: www.fender.com/ejamming

Factory Restore & Firmware Update

Factory Restore

You can restore your Bronco 40 amplifier to the original factory settings if desired. All user presets will be erased!

To restore the Bronco 40 amplifier to factory settings:

1. Turn the amplifier OFF.
2. Press and hold the EXIT button while turning the amplifier 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 restore the **AMBER** bank of presets and any effect selections that have been modified using Fender FUSE software.*

Firmware Update

From time to time, Fender may make available firmware updates for your Bronco 40 amplifier to improve operation or to add new features. To update the firmware on your amplifier 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 www.fender.com/support for details.

FAQ

There are several great places you can go to learn more about the Bronco 40 and music in general:

- 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 Bronco 40: www.fender.com/community/forums
- Log on to the Fender Knowledge Base to download and read "Frequently Asked Questions" (FAQ): www.fender.com/support/faqs.php
- Find music theory learning materials and sheet music at Hal Leonard Publications: www.halleonard.com

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
部分机器加工金属部件	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

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