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# UAFX OX Stomp Dynamic Speaker Emulator Manual

Updated 6 months ago

This article contains complete operating instructions for the UAFX OX Stomp Dynamic Speaker Emulator effects pedal.

**WARNING: OX Stomp is not a load box. Do not connect any powered amplifier or speaker outputs to OX Stomp inputs.**

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# A Letter From Bill Putnam, Jr.

Congratulations on your new UAFX pedal. We know that buying any new piece of gear requires an investment of time and money, and we aim to make your investment pay off!

At UA, we are dedicated to the idea of building "instant classics" — the type of music and audio gear that delivers album-worthy sounds to inspire you for decades.

UAFX pedals represent more than 20 years of research into vintage analog effects, coupled with next-generation digital engineering and rock-solid reliability.

Please let us know how we're doing. Feel free to reach out to us via our website [www.uaudio.com](http://www.uaudio.com), and via our social media channels.

Thank you for your support, and enjoy your sonic exploration!

Sincerely,

Bill Putnam Jr.

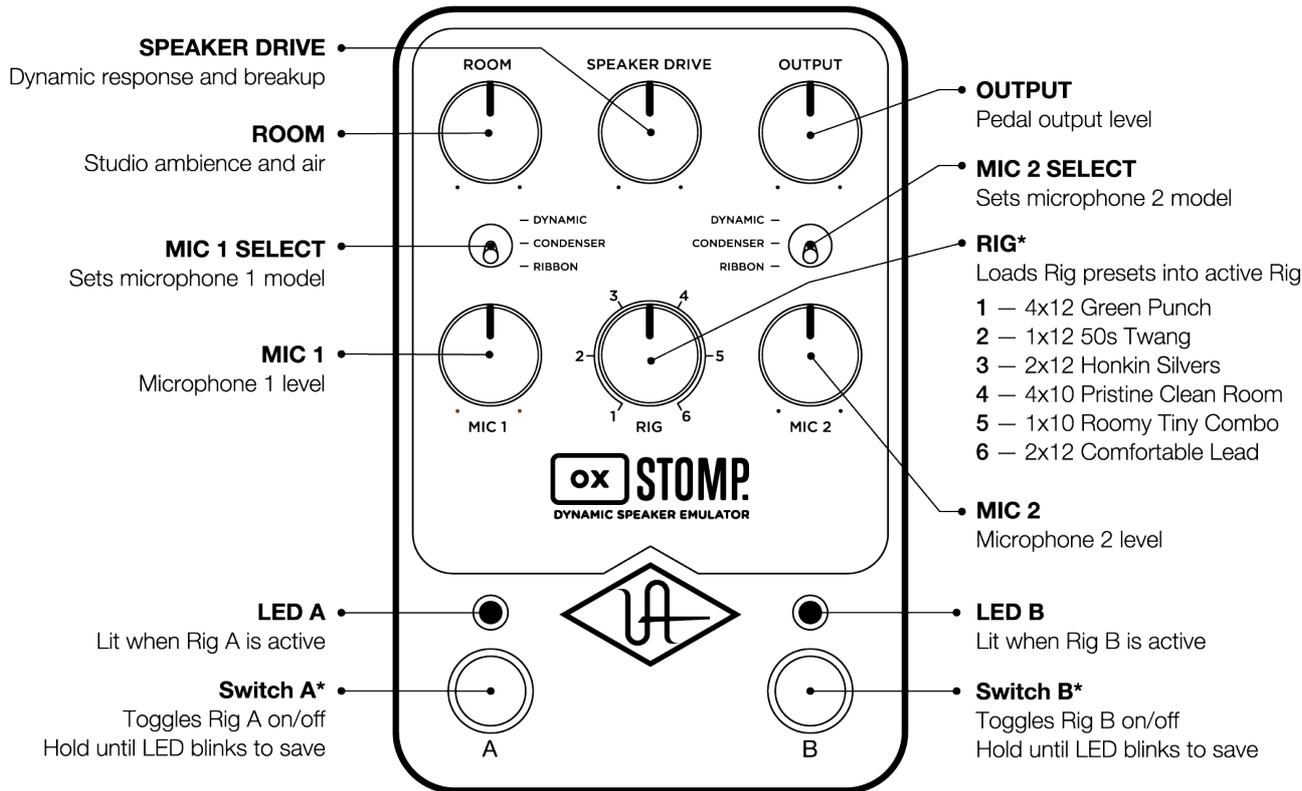
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## OX Stomp Quick Start

**OX RIG** The Rig is a complete OX sound with speaker cabinet, two cabinet microphones, room sound, and effects. Activate Rig A or B with the footswitches.\*

**RIG PRESET** The Rig preset is a stored Rig. The Rig knob loads presets into the active Rig. Knobs and switches may not reflect the sound of the loaded preset.\*

**EDIT & SAVE RIGS** Use the knobs and switches to adjust the active Rig sound. To save your adjustments, hold the active Rig footswitch until the LED blinks.\*



\*Get more Rigs, footswitch modes, and deep editing with the UAFX Control mobile app

**[Download OX Stomp Quick Start Sheet](#)**

# Get the Latest Firmware

Be sure to update your pedal's firmware with the UA Connect app to get the latest features and functionality. To learn how to use UA Connect with your UAFX pedals, [go here](#).

**[Get UA Connect](#)**

# OX Stomp Overview

Standing on the shoulders of our award-winning OX Amp Top Box, the UAFX OX Stomp Dynamic Speaker Emulator pedal gives "amp-in-a-box" modelers a packed pro studio full of authentic-sounding guitar cabinets, mics, room modeling, and studio-quality effects — right at your feet. OX Stomp's sounds are meticulously modeled and deeply editable with the UAFX Control mobile app.

## OX Stomp Inputs

**WARNING: OX Stomp is not a load box. Do not connect any powered amplifier or speaker outputs to OX Stomp inputs.**

You can use OX Stomp with any line-level (or lower) output source that requires cabinet emulation, including:

- UAFX amp emulator pedal
- Other manufacturer's amp emulator
- An amp load box's line output
- Guitar amp's line (NOT speaker) output if a speaker load is connected
- Any other line-level (or lower) output device that needs cabinet emulation

## OX Stomp Outputs

You can connect OX Stomp to other line-level audio gear, including:

- Full range flat response (FRFR) or other powered speakers
- A computer's audio recording interface such as Apollo Twin X or Volt
- Your PA system's mixer
- Any other line-level (or lower) input device that captures your guitar sound

**Important:** Be sure to turn off the cabinet or speaker emulation on your amp emulator when running into OX Stomp.

# OX Rig

The Rig is a complete OX sound with speaker cabinet, two cabinet microphones, room sound, and effects. Activate Rigs with the footswitches or the UAFX Control app.

## Rig Preset

The Rig preset is a stored Rig. The Rig knob loads presets into the active Rig. Knobs and switches may not reflect the sound of the loaded preset.

## Edit & Save Rigs

Use the knobs and switches to adjust the active Rig sound. To save your adjustments, hold the active Rig footswitch until the LED blinks or use the UAFX Control app. For details, [go here](#).

## Effects

OX Stomp includes four simultaneous studio-quality stereo effects — 4-band EQ plus low/high cut, 1176 compression, stereo modulated delay, and stereo plate reverb. You can enable, disable, and edit these effects with the UAFX Control app.

## UAFX Control

UAFX Control is the companion mobile app for UAFX pedals. With OX Stomp and UAFX Control, you can choose from over 100 curated factory Rigs, and customize them with 22 speaker cabinets, six cab mics, six room mics, and deep editing for each of the four effects.

Use UAFX Control to save and manage your customized Rig setups and assign them to each of the six Rig knob positions. You can also configure OX Stomp's footswitches to recall different rigs and toggle the delay/reverb effects.

To learn how to install and use UAFX Control, [go here](#).

**[Get UAFX Control](#)**

# OX Stomp Power

To learn how to power your UAFX pedals, [go here](#).

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# OX Stomp Connections

**WARNING: OX Stomp is not a load box. Do not connect any powered amplifier to inputs.**

All UAFX audio jacks accept 1/4" (6.35 mm) unbalanced TS (Tip-Sleeve) instrument cables. Although TRS (Tip-Ring-Sleeve) cables may be used, they offer no benefit over TS cables.

Stereo inputs are processed in true stereo.

UAFX pedals are designed with enough headroom to easily accommodate instrument levels and amp effects loop levels, but they can also handle line-level gear such as synthesizers and audio interfaces. The pedals are voiced for instrument levels, so you may need to reduce the line out level of the gear you're connecting into the pedals to avoid overdriving the effects.

The USB-C port is for pedal registration and firmware updates only, within the UA Connect desktop app for Mac and Windows computers. You can connect to any type of USB port on the computer, but you may need an adapter.

The PAIR button and LED are for pairing a pedal with a mobile device for the UAFX Control app.

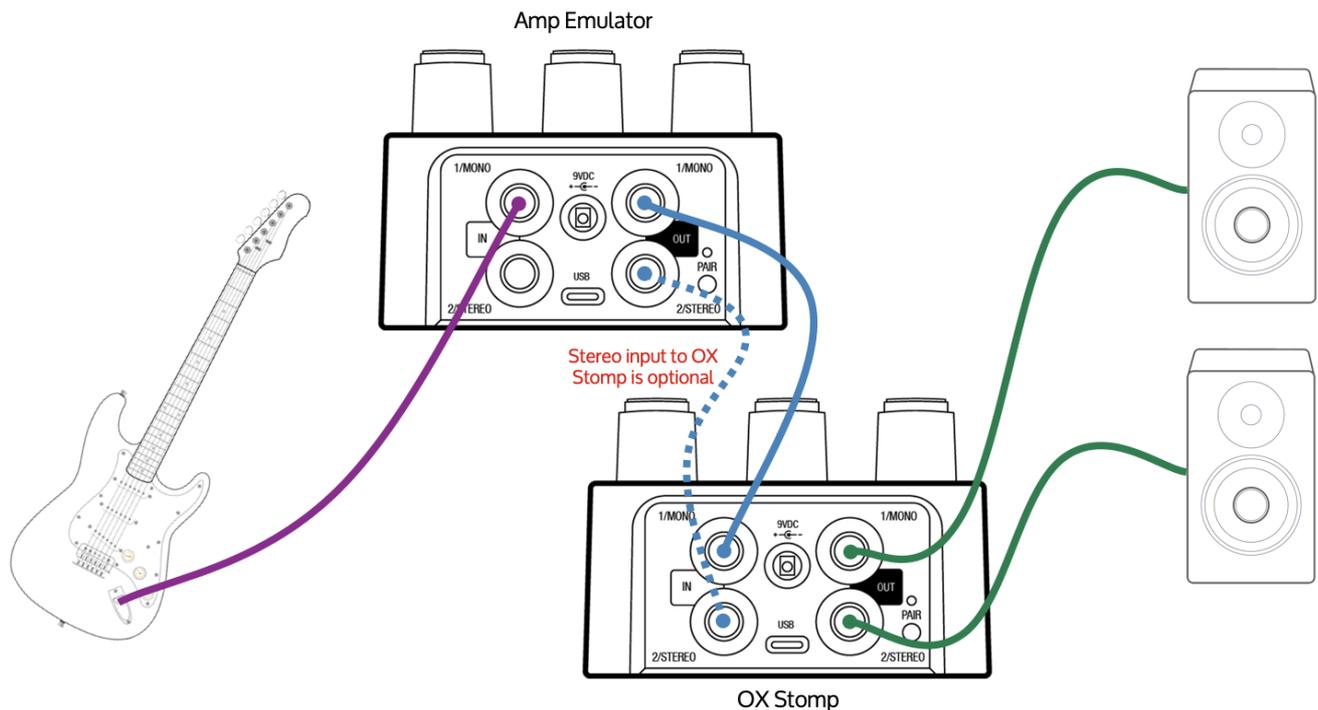
# Connection Examples

These examples show a UAFX Amp Emulator pedal as the source emulator for OX Stomp; however, you can use any amp emulator, line level direct output, fx loop output, or load box line level output to the inputs of OX Stomp. Remember to turn off cab emulation on your amp emulator.

# Amp emulator and OX Stomp with stereo full range speakers

You can use OX Stomp with an amp emulator and full range speakers, such as studio monitors.

- Connect your instrument to your amp emulator input.
- Turn off cab emulation on your amp emulator.
- Connect one or more outputs from your amp emulator to the OX Stomp inputs.
- Connect one or both outputs from OX Stomp to your full range speakers.

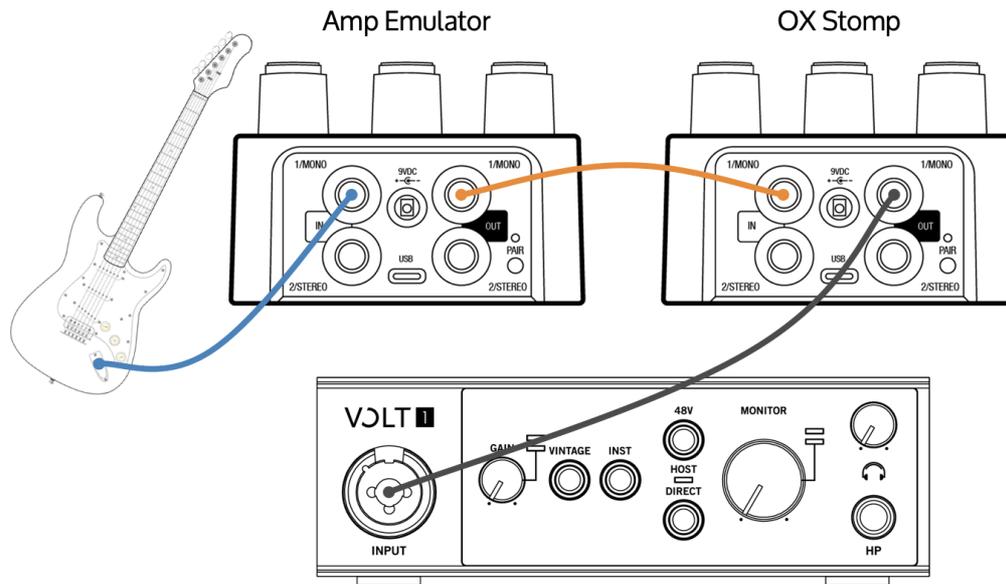


# Amp emulator and OX Stomp with a mono audio interface

You can use OX Stomp with an amp emulator and a mono audio interface, for recording or to play through your computer and audio software.

- Connect your instrument to your amp emulator input.
- Turn off cab emulation on your amp emulator.

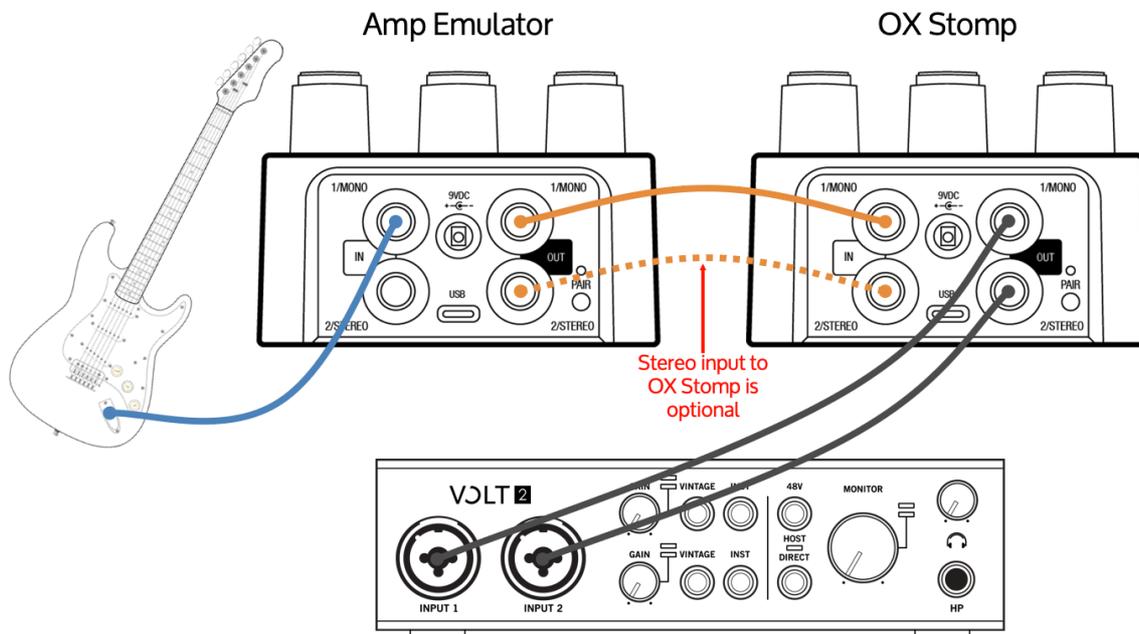
- Connect one output from your amp emulator to the OX Stomp 1/MONO input.
- Connect the 1/MONO output from OX Stomp to your audio interface input.



## Amp emulator and OX Stomp with a stereo audio interface

You can use OX Stomp with an amp emulator and a stereo audio interface, for recording, or to play through your computer and audio software.

- Connect your instrument to your amp emulator input.
- Turn off cab emulation on your amp emulator.
- Connect one or more outputs from your amp emulator to the OX Stomp inputs.
- Connect both outputs from OX Stomp to your audio interface inputs.

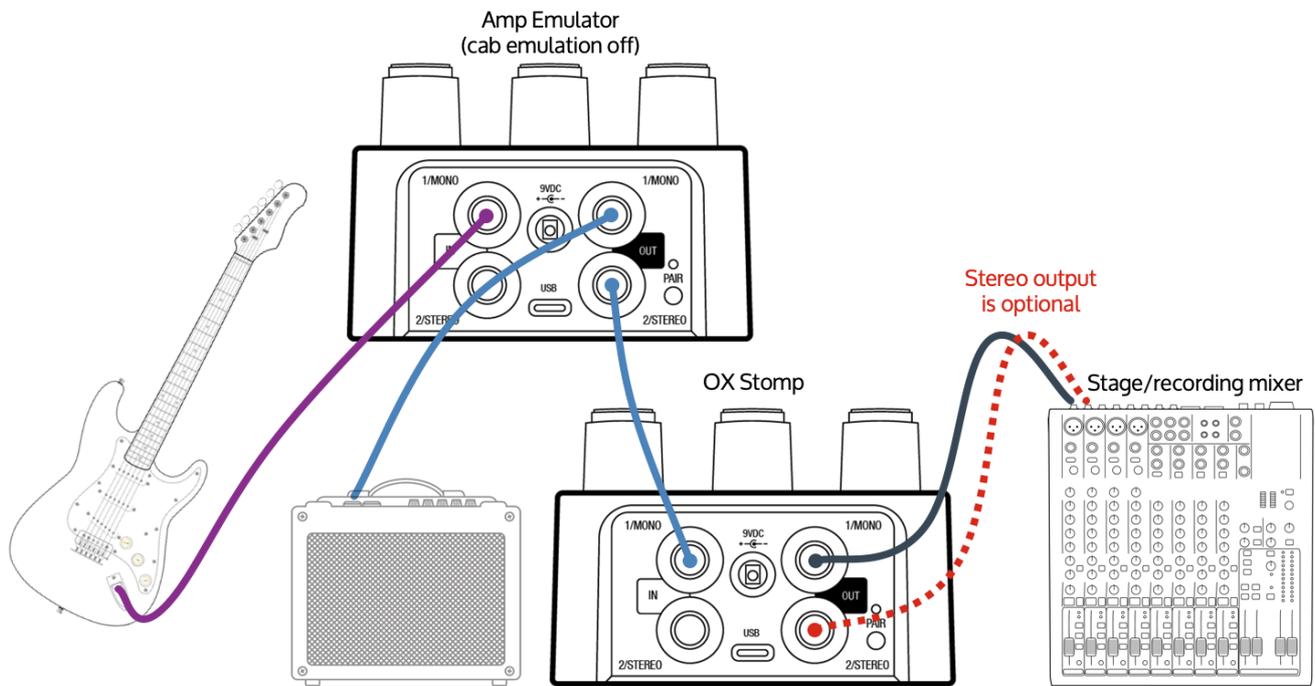


## Amp emulator split to guitar amp (without OX Stomp effects) and front of house (with OX Stomp cabs/effects)

You can split your amp emulator's outputs between a guitar amp and OX Stomp. With this setup you can have your amp sound on stage *without* the OX Stomp effects, and a mono or stereo front of house signal *with* the OX Stomp effects and the mic'd cab sound.

The advantage of this connection setup is that you don't have to configure any special speaker panning or save any specific sounds in OX Stomp. The disadvantage is that you aren't using OX Stomp effects with your guitar amp. See [this connection example](#) to use OX Stomp effects with your guitar amp.

- Connect your instrument to your amp emulator input.
- Turn off cab emulation on your amp emulator.
- Connect one output from your amp emulator to your guitar amp input.
- Connect the other output from your amp emulator to the OX Stomp 1/MONO input.
- Connect one or both outputs from OX Stomp to the mixer or front of house.



## Amp emulator and OX Stomp with effects, split to PA front of house (FOH) and guitar amp

You can split OX Stomp's outputs between a guitar amp and OX Stomp. With this setup you can have your amp sound on stage with the OX Stomp effects, and a PA's front of house signal with the OX Stomp effects and its mic'd cab sound.

The advantage of this connection setup is that you can use the OX Stomp effects with your guitar amp. The disadvantage is that you'll need to edit and save OX Stomp sounds in UAFX Control with a Direct Box hard-panned to one side (for your guitar amp input) and with a mic hard-panned to the other side (for your mixer/FOH input).

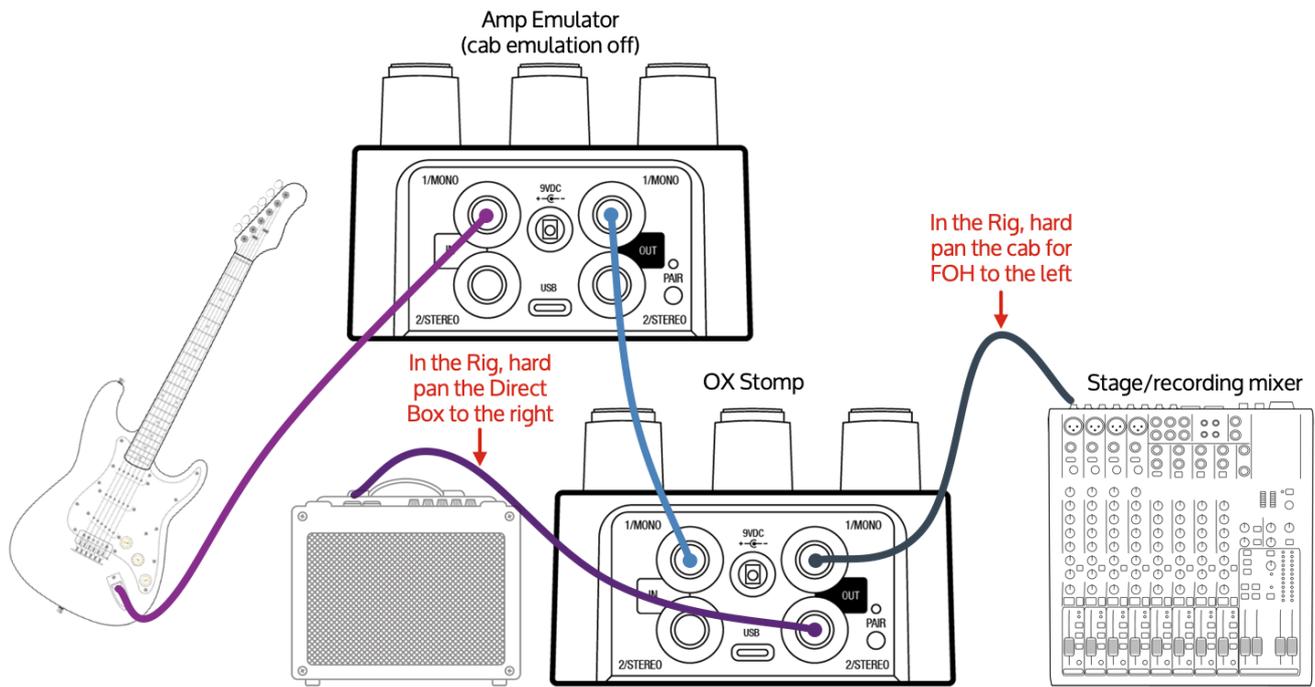
- Connect your instrument to your amp emulator input.
- Turn off cab emulation on your amp emulator.
- Connect one or both outputs from your amp emulator to OX Stomp.
- Connect output 1 from OX Stomp to your guitar amp.

**Important:** In the Rig, configure one of the mics to use the Direct Box (instead of a mic) hard-panned to the left.

- Connect output 2 from OX Stomp to the mixer.

**Important:** In the Rig, configure the other mic (instead of the Direct Box) hard-panned to the

right.

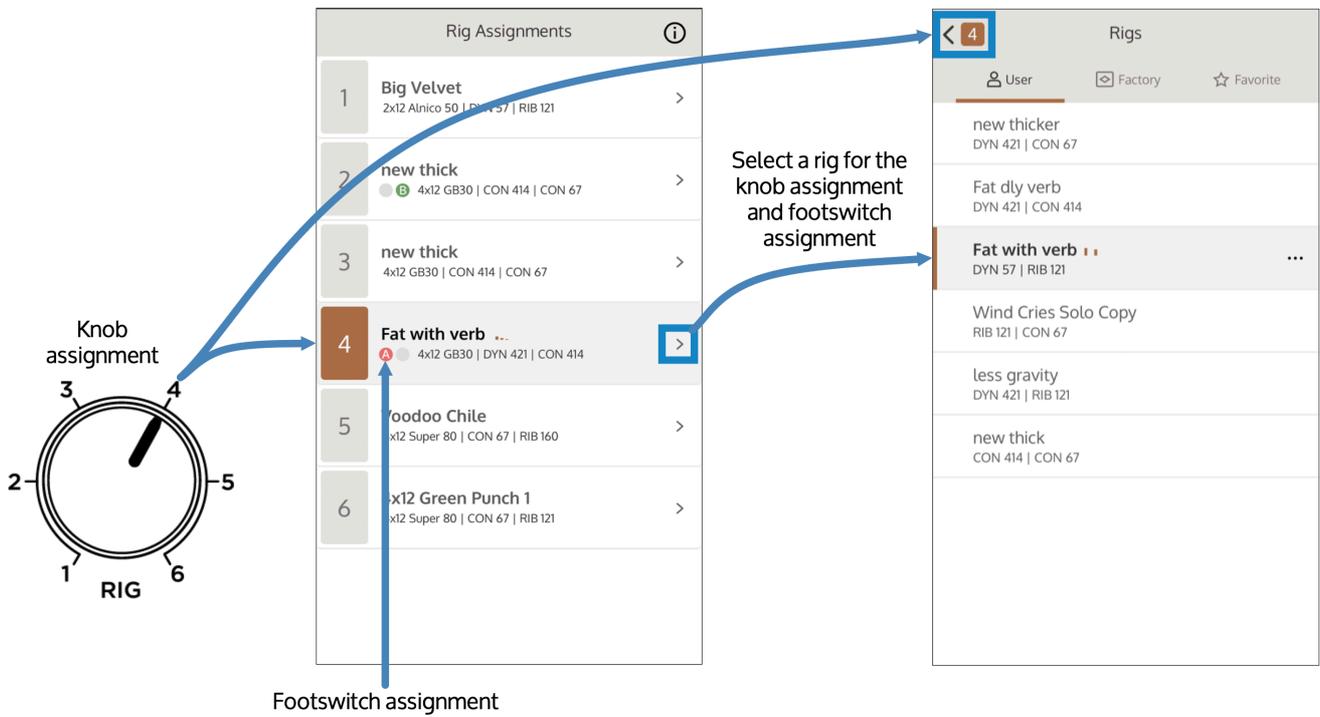


# OX Stomp Operation

## About Rigs

An OX Stomp Rig is a complete sound with cabinet, mics, room ambience, and multiple effects.

OX Stomp's knobs and switches control the Rig that is currently active. OX Stomp can load six Rigs with the Rig knob. Rigs can also be recalled from the footswitches, and assigned to an active footswitch position with the Rig knob or the UAFX Control app. OX Stomp automatically remembers the Rig and footswitch mappings. On the Rigs screen, you can choose a Rig to load into the currently active Rig slot on the Rig Assignments screen.



You can make changes to an active Rig using the knobs and switches. To save your changes on the fly, press and hold the footswitch. Rigs saved this way are saved in a modified state; you can permanently save these Rigs in the UAFX Control App. For more information on saving OX Stomp Rigs, [go here](#). You can also make deeper changes to a Rig using the UAFX Control app.

If you power off your OX Stomp, and then power it back on, the settings for each footswitch and the Rig knob are recalled exactly as you left them, even if the knobs have moved.

## OX Stomp Controls

Note that the knobs and switches on OX Stomp edit the currently selected Rig only. You can save a Rig by pressing and holding the active footswitch until it blinks rapidly, or from within the UAFX Control app.

## Room

This control adjusts the amount of mic'd studio ambience and air. Increase this knob for more room ambience, or decrease for a drier close-mic'd tone.

# Speaker Drive

This control adjusts the dynamic response of the speaker cabinet. This unique and powerful control adjusts different aspects of OX Stomp's Dynamic Speaker Modeling.

At lower settings, the cabinet sounds more like the speakers are new. As you increase this control, the cab gets softer and spongier with more breakup, like a broken-in speaker.

At higher ranges, breakup is more obvious, with crumbling of the lows and smearing of the highs as the speaker is pushed harder. At the highest ranges, the speaker approaches the end of life: weaker, looser, and darker. Sub-octave notes (cone cry) may be apparent with certain note/cab combinations.

**Note:** The Speaker Drive control is not available in the UAFX Control app.

# Output

Controls the level of the pedal output.

Note that to optimize the sonic quality of OX Stomp's extensive interactivity between its complex modeling components, the output level is lower than other UAFX pedals. Typically, the output level will match the input level between 3 o'clock and maximum. However, the level and panning of each individual mic also affects the overall output volume.

# Mic 1 / Mic 2

Controls the level of microphone 1 and microphone 2 in the overall pedal mix.

# Rig

Selects a Rig. The Rig you select is assigned to the active footswitch (if not in Delay | Reverb mode). Other Rigs can be assigned to the Rig knob with the UAFX Control app.

# Mic 1 Select / Mic 2 Select

Selects the mic used for Mic 1 or Mic 2.

**Note:** You can select other mic models in the UAFX Control app.

Mic	Description
Dynamic	The dynamic "57" has been the industry standard in the US for recording loud guitar amps since the late '60s. Our model is based on a vintage unit from the '70s. With a natural bass roll off and accentuated upper midrange, this mic always cuts through any mix with practically no need for console EQ.
Condenser	The condenser "67" can be heard on the biggest pop and rock records of the '60s, '70s, and '80s. This tube condenser mic has a wide frequency range without sounding harsh or bottom heavy. It has a gentle upper midrange that's great for distorted rhythm guitars.
Ribbon	The ribbon "121" is a modern classic for electric guitar. With its silky high end and extended bass frequency range, many engineers pair the "121" with the "57" to even out the sound.

## Footswitches

The footswitches toggle one or more Rigs on/off. Only one Rig can be active at a time. Each footswitch can have one or two Rigs assigned to it, depending on the footswitch mode set in the UAFX Control app. By default, OX Stomp is set up in A | B mode, where the left footswitch toggles Rig A on/off, and the right footswitch toggles Rig B on/off.

To switch to a different Rig while a footswitch is active, choose a Rig with the Rig knob, or with the UAFX Control app.

Footswitches can be configured to toggle two or four Rigs on/off with various effect combinations, or to toggle Reverb and Delay on/off with UAFX Control. See [Using OX Stomp with UAFX Control](#) for more information.

**Note:** When OX Stomp is in Delay | Reverb footswitch mode, there are no Rigs assigned to the footswitches. In this case, choose a Rig with the Rig knob or the UAFX Control app.

## Saving a Rig with the footswitches

You can edit a Rig with the knobs and switches, and save it temporarily by pressing and holding the active footswitch (or the left footswitch in Delay | Reverb footswitch mode) until the LED flashes. This saves the Rig's state. You can then switch to other Rigs or power off the pedal, and the changes will remain. You can later save the Rig permanently in the UAFX Control app.

For related details, [go here](#).

## Left Footswitch LED

The left footswitch LED is lit red when Rig A is active.

## Left Footswitch

Press to toggle Rig A on/off.

## Right Footswitch LED

The right footswitch LED is lit green when Rig B is active.

## Right Footswitch

Press to toggle Rig B on/off.

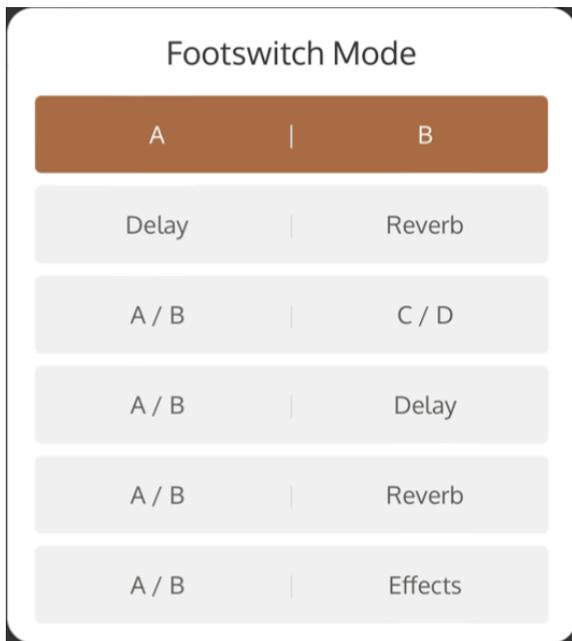
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## Using OX Stomp with UAFX Control

This section describes how to operate the UAFX Control app functions that are unique to OX Stomp. To learn more about how to connect and operate UAFX Control, see the [UAFX Control Manual](#).

# Setting OX Stomp footswitch modes

To select a footswitch mode, first tap Settings at the bottom of the screen. Then tap the current footswitch mode (colored bar) and choose a mode from the drop menu.



The following OX Stomp footswitch modes can be selected.

## A | B



- Left Footswitch toggles Rig A on/off
- Right Footswitch toggles Rig B on/off
- OX Stomp can be bypassed (when neither Rig is active)

## Delay | Reverb



- Left Footswitch toggles Delay on/off
- Right Footswitch toggles Reverb on/off
- OX Stomp cannot be bypassed. Select a Rig from the Rig knob on the hardware, or from the Rigs screens in the app
- Even if Reverb and Delay are not active in the saved Rig, they can be toggled on and off with the footswitches

## A / B | C / D



- Left Footswitch toggles Between Rig A or Rig B
- Right Footswitch toggles between Rig C or Rig D
- OX Stomp cannot be bypassed; one of the four Rigs is always active.

## A / B | Delay



- Left Footswitch toggles Between Rig A or Rig B
- Right Footswitch toggles Delay on/off
- OX Stomp cannot be bypassed; one of the two Rigs is always active
- Even if Delay is not active in the saved Rig, it can be toggled on and off with the footswitch

## A / B | Reverb



- Left Footswitch toggles Between Rig A or Rig B
- Right Footswitch toggles Reverb on/off
- OX Stomp cannot be bypassed; one of the two Rigs is always active
- Even if Reverb is not active in the saved Rig, it can be toggled on and off with the footswitch

## A / B | Effects

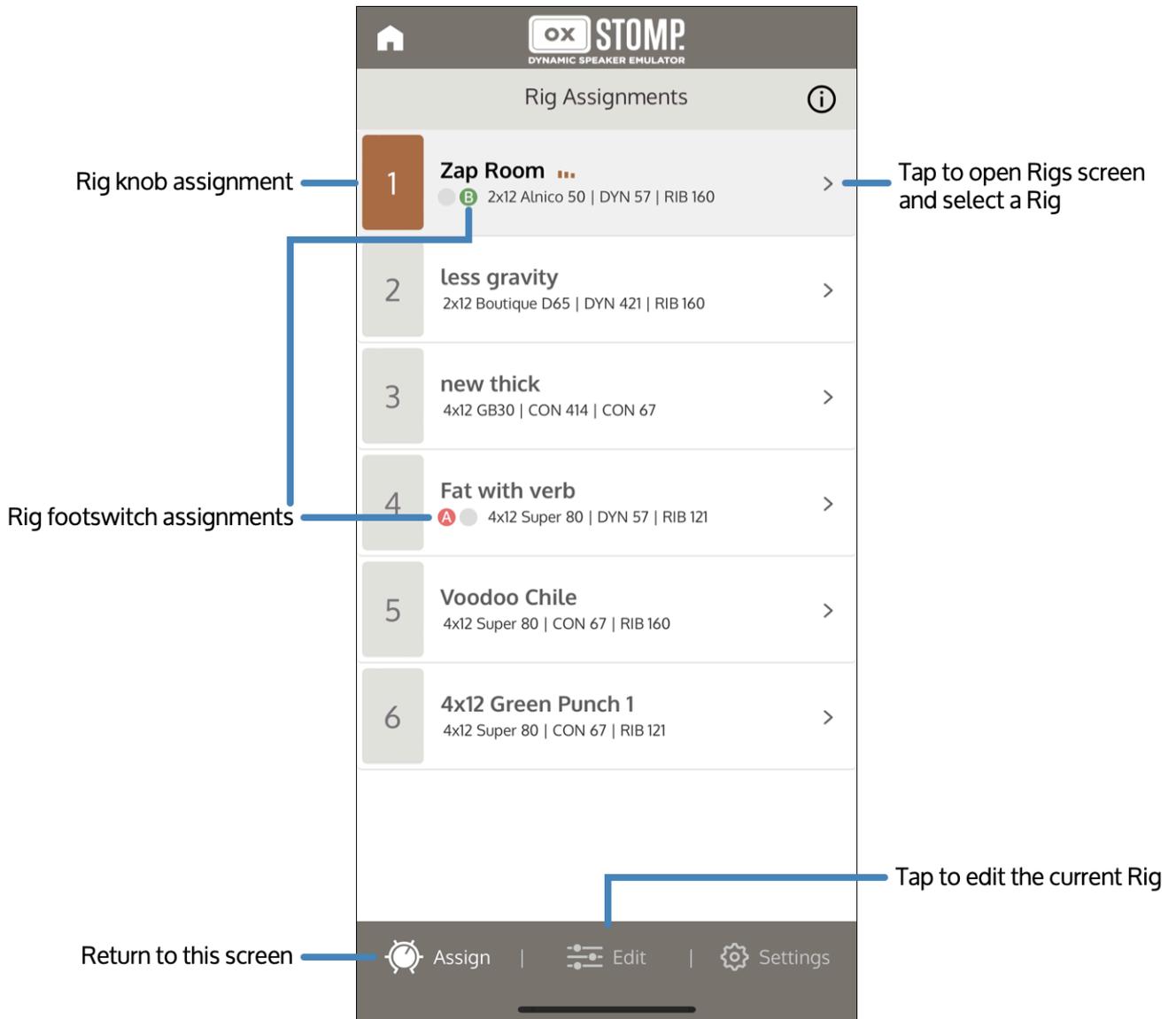


- Left Footswitch toggles Between Rig A or Rig B
- Right Footswitch toggles Reverb and Delay effect states (if Reverb/Delay are currently off, they are toggled on, and vice versa)
- Right footswitch LED indicates Reverb status
- OX Stomp cannot be bypassed; one of the two Rigs is always active
- Even if Reverb/Delay are not active in the saved Rig, they can be toggled on and off with the footswitch. Note that if one effect is enabled and the other isn't, the footswitch toggles both effects, so the disabled effect is enabled, and the enabled effect is disabled

**Tip:** To toggle reverb and delay on and off with this setting, save the Rigs that you want to assign to footswitches A and B with both reverb and delay switched off or switched on. This allows you to switch both effects on or off with the right footswitch. To switch just reverb or delay on or off with the footswitch, use the A/B | Reverb or A/B | Delay footswitch mode.

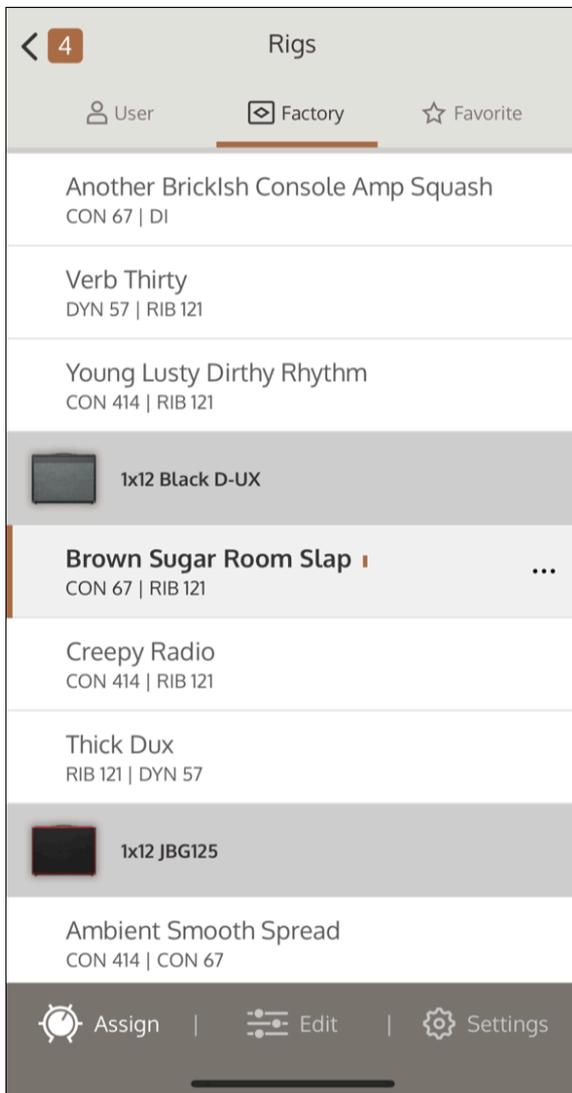
## Assigning Rigs

Different Rigs can be assigned to the Rig knob positions so they can be accessed from the Rig knob or footswitches on the pedal hardware.

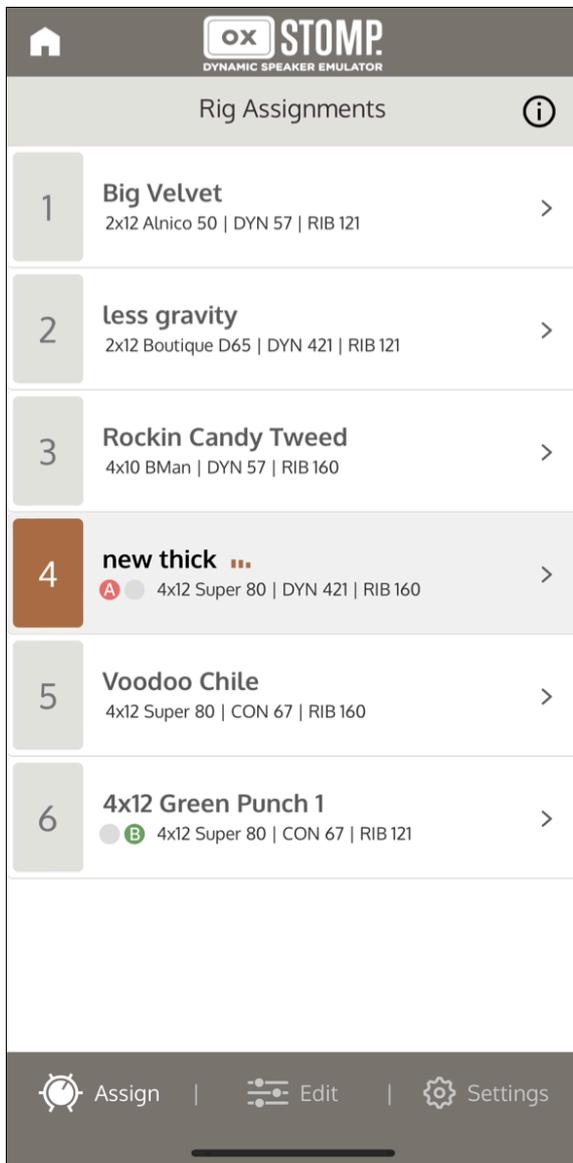


## Assign a Rig to the Rig Knob

- 1 The Rig Assignments screen opens automatically when you open OX Stomp in UAFX Control. If the Rig Assignments screen is not open, tap Assign at the bottom of the screen.
- 2 To assign a different Rig to a knob position, tap the arrow to the right of the Rig name. The Rigs screen opens.



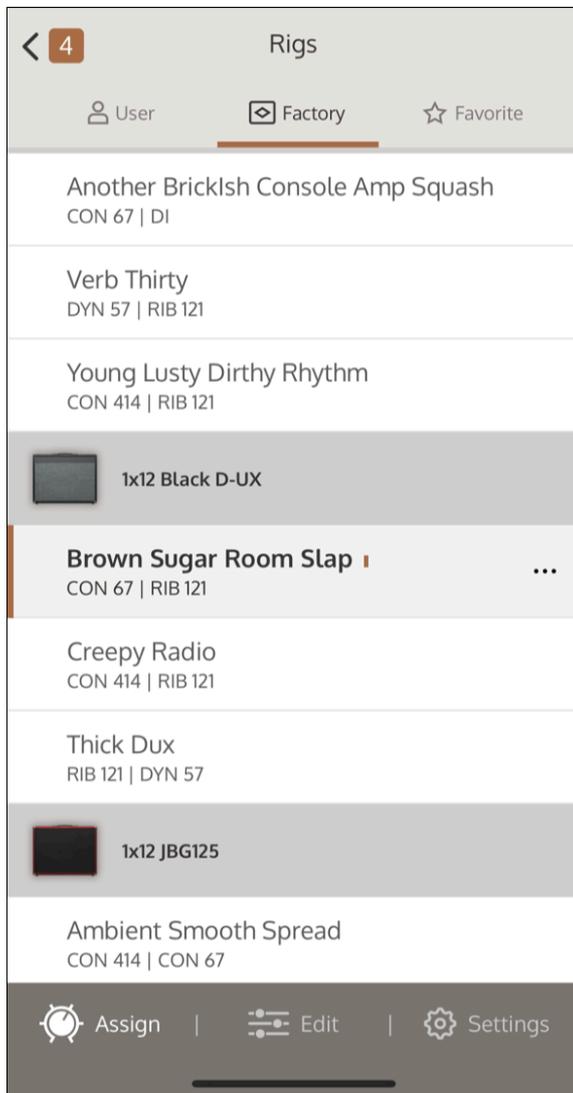
- 3 Select a Rig to assign it to this knob location. Tap User, Factory, or Favorite to open those lists.
- 4 Tap the Rig assignment number at the top left of the screen, or Assign at the bottom left of the screen to return to the Rig Assignment screen.



## Assign a Rig to a footswitch

You can assign Rigs to footswitches in any of the Rig selection footswitch states. You cannot assign a Rig to a footswitch in Delay | Reverb footswitch mode.

- 1 The Rig Assignments screen opens automatically when you open OX Stomp in UAFX Control. If the Rig Assignments screen is not open, tap Assign at the bottom of the screen.
- 2 Select the footswitch location to which you want to assign the Rig. You can do this by tapping the footswitches on OX Stomp hardware until the correct color (red or green) is lit. See [Setting OX Stomp footswitch modes](#) for more information.
- 3 On the Rig Assignments screen, tap the arrow to the right of the Rig name. The Rigs screen opens.

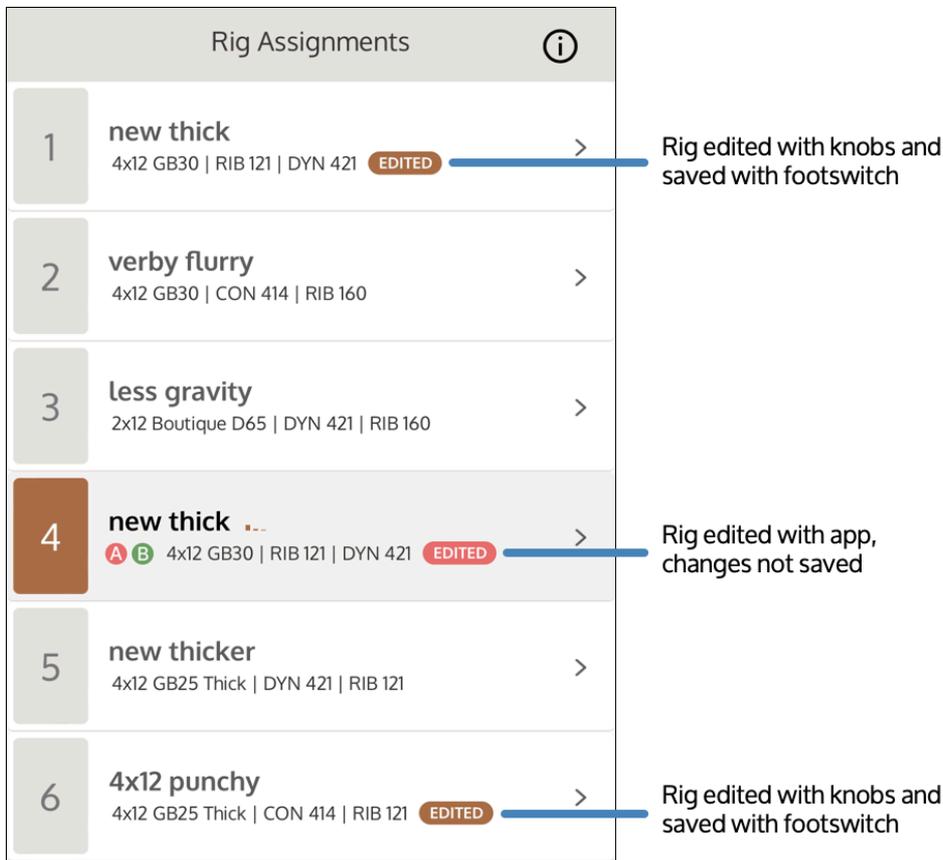


- 4 Select a Rig to assign to this footswitch location. Tap User, Factory, or Favorite to open those lists.
- 5 Tap the Rig assignment number at the top left of the screen, or Assign at the bottom left of the screen to return to the Rig Assignment screen.

The current Rig footswitch assignment is indicated with an A/B/C/D icon under the rig name.

## Saving Rigs

You can temporarily store Rig changes with the footswitches. You can permanently store Rigs using the UAFX Control app. Rigs that are stored with the footswitches, but not permanently saved, appear with the word EDITED in a brown highlight in UAFX Control. Rigs that are edited with UAFX Control, and not saved, appear with the word EDITED in a red highlight.



## Save a Rig temporarily with the footswitches

You can make changes to a Rig on the fly (for example, to balance levels in a live performance scenario), and temporarily store those changes without opening UAFX Control.

- 1 Make changes to a Rig with the knobs and switches on the OX Stomp hardware.
- 2 Press and hold the active footswitch (or the left footswitch in Delay | Reverb footswitch mode) until the LED flashes.

This saves the Rig's state, but does not permanently store the Rig. You can then switch to other Rigs or power off the pedal, and the changes will remain; however, the Rig continues to show as Edited in the UAFX Control app, with a brown highlight around the Edited status.

You can later save the Rig permanently in the UAFX Control app.

## Save changes to a Rig permanently with UAFX Control

You can save changes to a user Rig. For factory Rigs that you have modified, you must Save a Copy.

- 1 In UAFX Control, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Save to save the rig.

## Save a copy of a Rig

Use Save a Copy when you are saving changes to a factory Rig, or if you want to preserve a modified version of the Rig without overwriting it.

- 1 In UAFX Control, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Save a Copy.

The Rig is automatically saved with "Copy" appended to the name.

## Restore a Rig

If you have made changes to a Rig, including changes saved with the footswitches, you can restore the Rig to return it to its saved state.

- 1 In UAFX Control, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Restore. The Rig is restored to the last saved version or the factory settings.

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# Managing OX Stomp Rigs

The UAFX Control app allows you to view, audition, and manage the Rigs on your OX Stomp pedal. In addition to the UA factory Rigs that are added to your pedal by the app, every user Rig on the pedal can be recalled and managed. When you select a Rig it is loaded into the current Rig slot on your pedal, and activated so you can audition it.

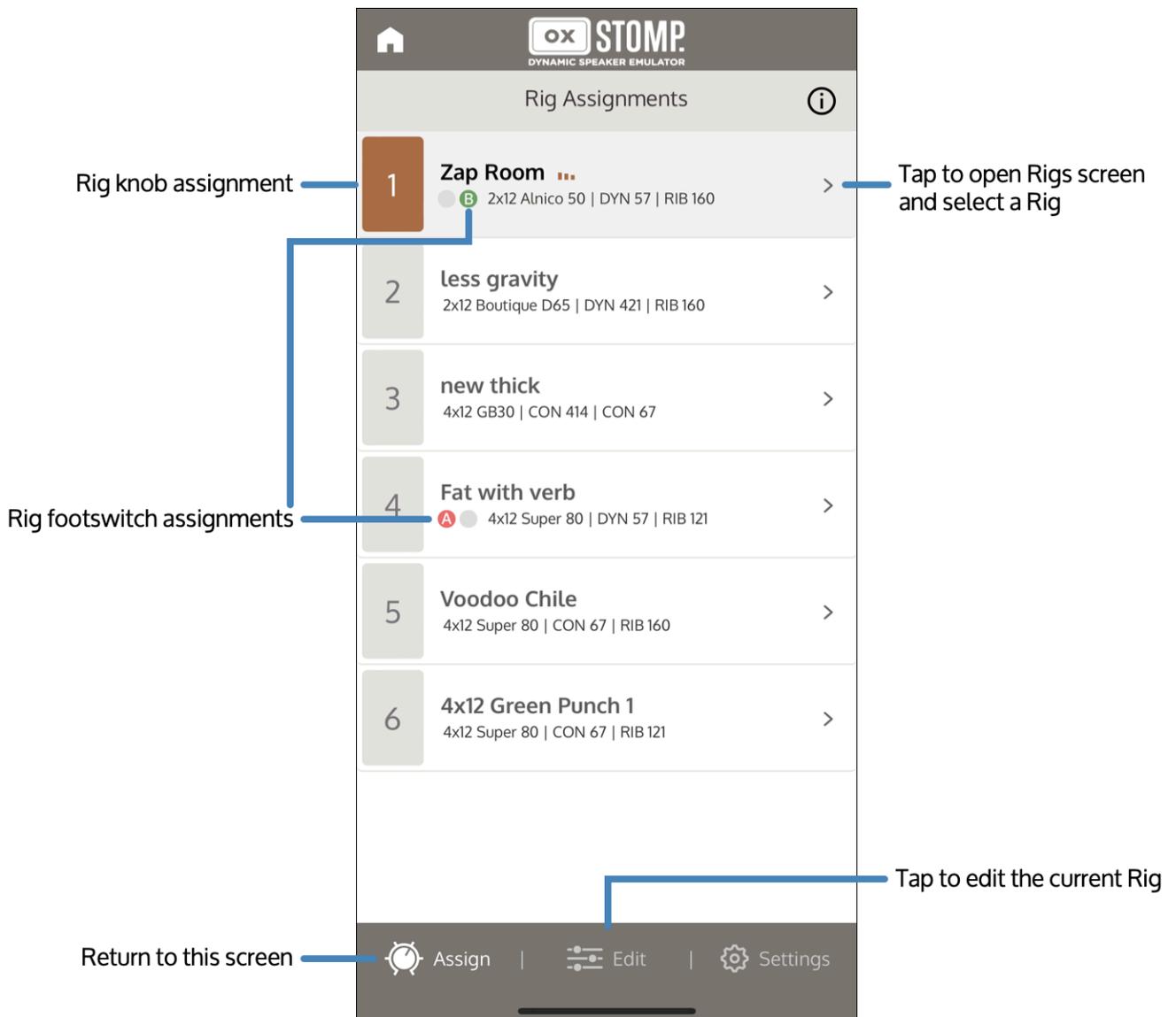
## Viewing the Rigs screen

To open the Rigs screen, first tap your pedal's tile on the app's initial view. OX Stomp opens in the Rig Assignments view. Tap the selection triangle to the right of the current Rig to open the Rigs screen.

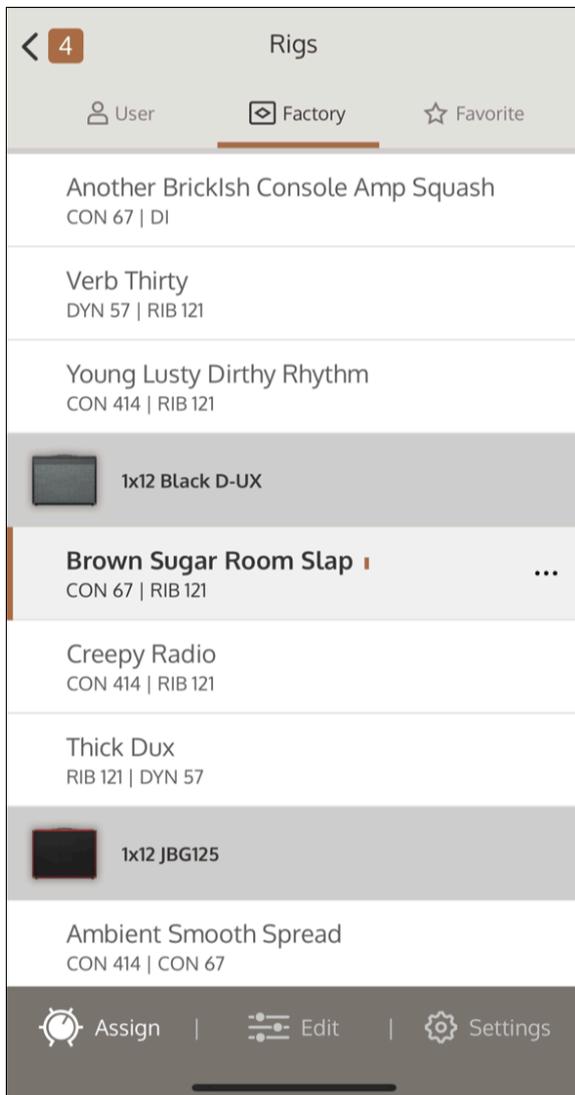
## Viewing Rigs (OX Stomp)

To open the Rigs screen, first tap your pedal's tile on the app's initial view. The app opens on the Rig Assignments screen.

The Rig Assignments screen shows the six Rigs that are assigned to the Rig knob on the pedal hardware. It also indicates the footswitches to which the Rigs are assigned (except in Reverb | Delay footswitch mode).



Tap the selection triangle to the right of any Rig to open the Rigs screen.



## Important Backup Notes

- **Rigs storage** - Individual Rigs you see in the app are stored on the pedal, not in the app. If UAFX Control is disconnected from your mobile device, or if you delete the app, all Rigs remain on the pedal.
- **Pedal backups** - Backups created in the mobile app are stored in the app, not on the pedal. If UAFX Control is deleted from your mobile device, the Rig backups in the app are permanently lost.

## Saving Rigs

You can temporarily store Rig changes with the footswitches. You can permanently store Rigs using the UAFX Control app. Rigs that are stored with the footswitches, but not permanently saved, appear with the word Edited in a brown highlight in the UAFX Control app. Rigs that are edited with the UAFX Control app, and not saved, appear with the word Edited in a red highlight.

**Rig Assignments**

1	<b>new thick</b> 4x12 GB30   RIB 121   DYN 421	EDITED	>	Rig edited with knobs and saved with footswitch
2	<b>verby flurry</b> 4x12 GB30   CON 414   RIB 160		>	
3	<b>less gravity</b> 2x12 Boutique D65   DYN 421   RIB 160		>	
4	<b>new thick</b> ... A B 4x12 GB30   RIB 121   DYN 421	EDITED	>	Rig edited with app, changes not saved
5	<b>new thicker</b> 4x12 GB25 Thick   DYN 421   RIB 121		>	
6	<b>4x12 punchy</b> 4x12 GB25 Thick   CON 414   RIB 121	EDITED	>	Rig edited with knobs and saved with footswitch

## Save a Rig temporarily with the footswitches

You can make changes to a Rig on the fly (for example, to balance levels in a live performance scenario), and temporarily store those changes without opening the UAFX Control app.

- 1 Make changes to a Rig with the knobs and switches on the OX Stomp hardware.
- 2 Press and hold the active footswitch (or the left footswitch in Delay | Reverb footswitch mode) until the LED flashes.

This saves the Rig's state, but does not permanently store the Rig. You can then switch to other Rigs or power off the pedal, and the changes will remain; however, the Rig continues to show as Edited in the UAFX Control app, with a brown highlight around the Edited status.

You can later save the Rig permanently in the UAFX Control app.

## Save changes to a Rig permanently with the UAFX Control app

You can save changes to a user Rig. For factory Rigs that you have modified, you must Save a Copy.

- 1 In the UAFX Control app, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Save to save the rig.

## Save a copy of a Rig

Use Save a Copy when you are saving changes to a factory Rig, or if you want to preserve a modified version of the Rig without overwriting it.

- 1 In the UAFX Control app, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Save a Copy.

The Rig is automatically saved with "Copy" appended to the name.

## Restore a Rig

If you have made changes to a Rig, including changes saved with the footswitches, you can restore the Rig to return it to its saved state.

- 1 In the UAFX Control app, tap **⋮** next to the active Rig to open Rig options.
- 2 Tap Restore. The Rig is restored to the last saved version or the factory settings.

# Viewing and selecting Rigs

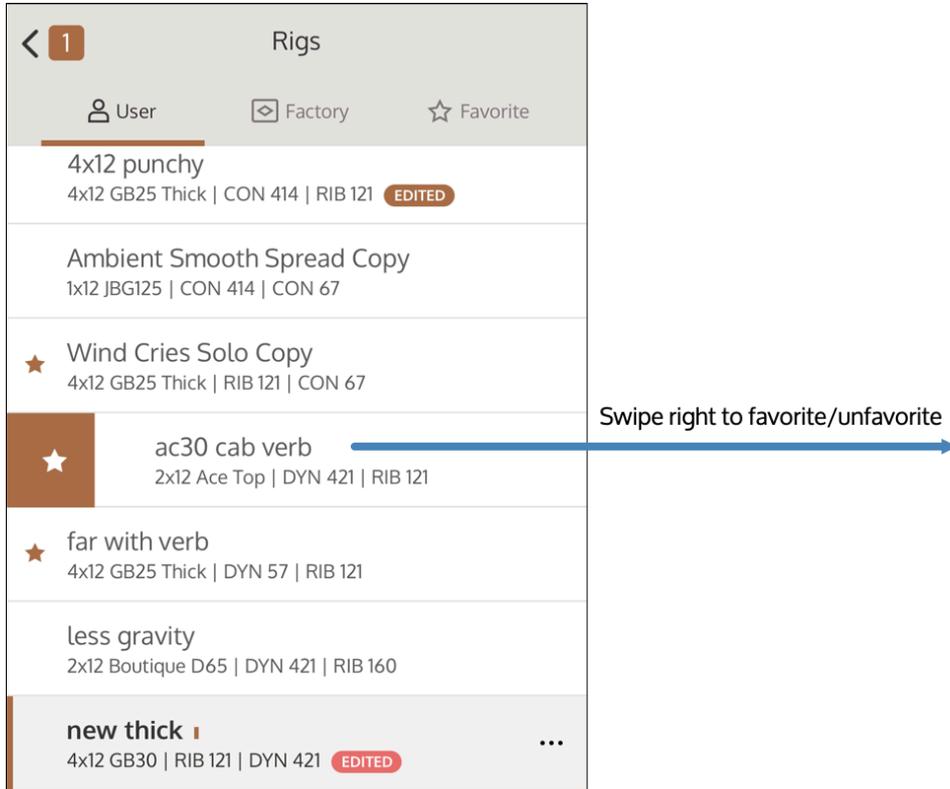
To view and select Rigs, tap a category at the top of the screen (User, Factory, or Favorite), and tap a Rig. The Rig is loaded into the current Rig knob Assignment and footswitch location.

- **User** includes all Rigs you have stored on the pedal. Note that there are no user Rigs until you store them.
- **Factory** includes Rigs made by UA sound designers, including all Rigs from the OX Amp Top Box.
- **Favorite** includes presets that you have swiped as favorites. Note that there are no Favorite presets until you favorite them.

# To favorite a Rig

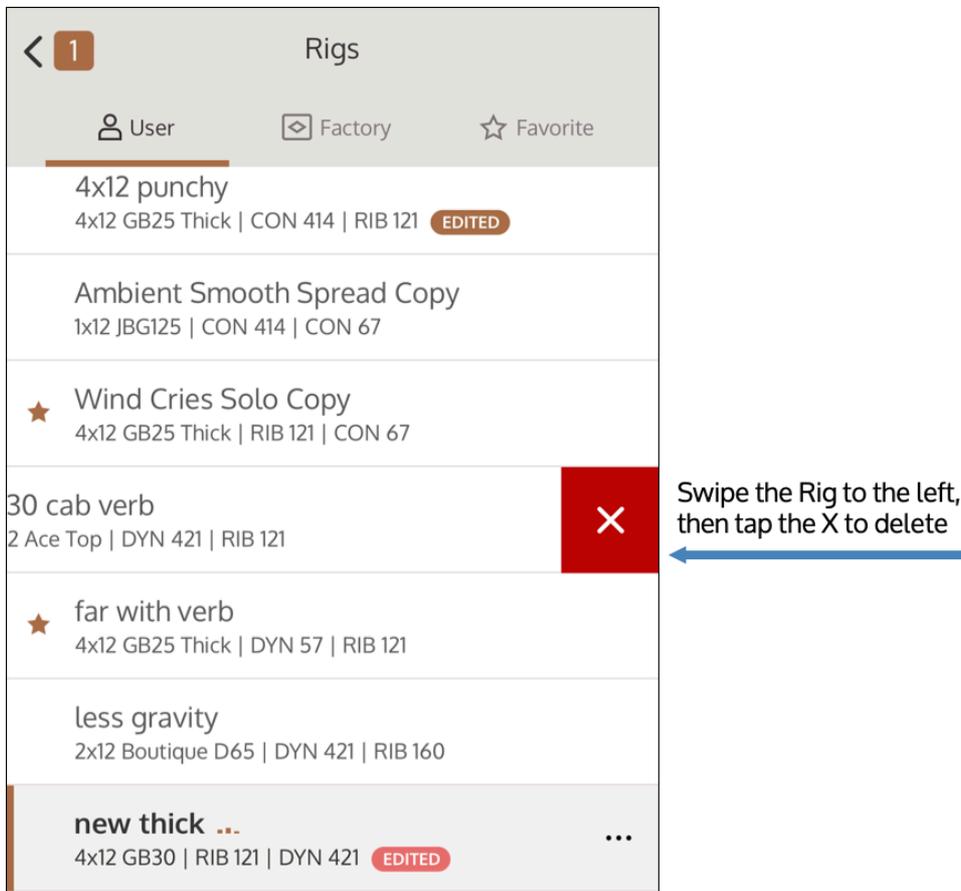
On the User or Factory Rigs screen, swipe a Rig to the right to make it a favorite. To unfavorite a Rig, swipe the Rig to the right again. The Rig is starred when it is a favorite.

**Tip:** You can also favorite a Rig by opening Rig options, then tapping Favorite.



# To delete a Rig

- Swipe a user Rig the left to delete, then tap the X. You cannot delete a factory Rig.

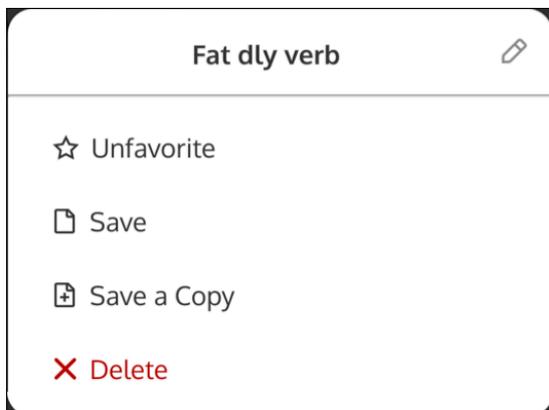


## To store a Rig

To store a Rig on the pedal, hold down the active Rig footswitch on the pedal until the LED blinks rapidly. In Delay | Reverb mode, hold down the left footswitch until the LED blinks rapidly.

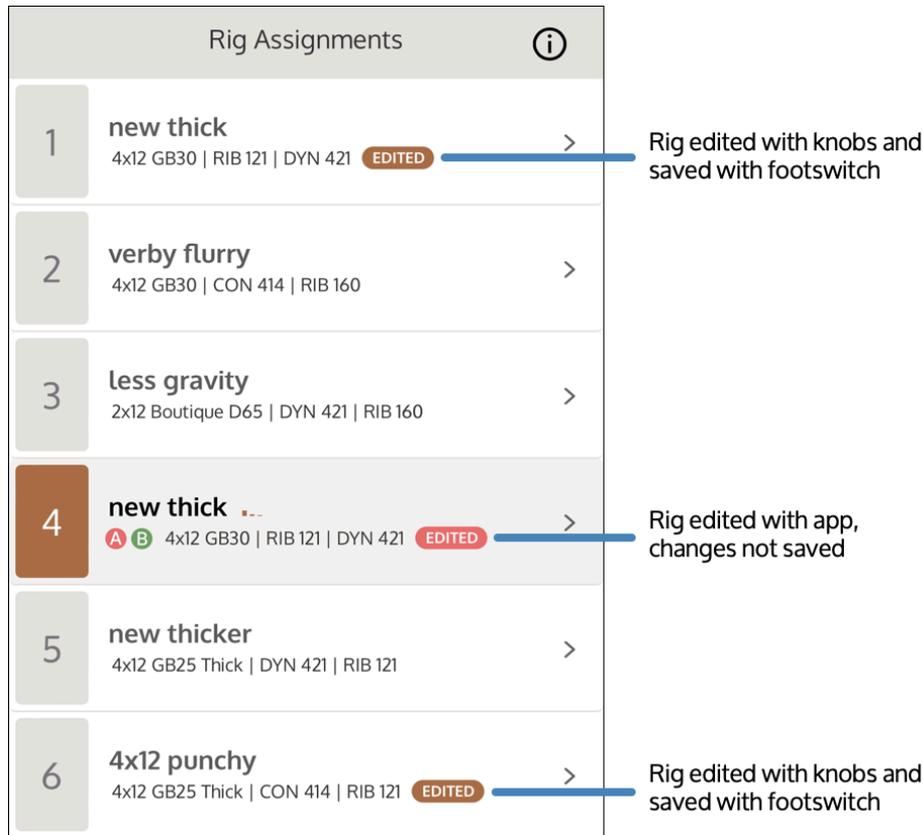
## Rig options

- Tap ... next to the active Rig to open the Rig options.



- To change the name of the Rig, tap the pencil next to the name, and type the name for the preset, then tap Save. Note that factory Rigs cannot be renamed.

- To favorite or unfavorite a Rig, tap Favorite or Unfavorite.
- After you load a Rig, you can edit it by changing the knob and switch settings, or by editing in the UAFX Control app. When a preset has been changed, the EDITED label appears next to the name in the preset list. EDITED appears in a brown highlight when changes have been saved with the footswitches. EDITED appears in a red highlight when changes have been made in the app, and have not been saved.



- To save a Rig, tap Save.
- To save a copy of the Rig, tap Save A Copy. A Rig with the same name, and "Copy" appended, is saved to the top of the User list.
- To delete a Rig, tap Delete, then tap Confirm Delete when prompted. You can also swipe a user Rig in the User and Favorite lists to the left, and tap the X, to delete. Note that factory Rigs cannot be deleted.
- Deleted user Rigs can be restored using the app's backup/restore features.

# Editing Rigs

OX Stomp includes a full editor for the cabinet, mics, and effects included in OX Stomp.

To open the OX Stomp editor, tap Edit at the bottom of the UAFX Control app after connecting to your OX Stomp pedal. The currently selected Rig is loaded into the editor.

## OX Stomp editor tips

- Tap a selection triangle to expand or contract an editor section.
- Double tap a slider to move the control to the center, or a volume control to the unity gain level. On low and high shelf EQ sliders, double-tap to move the slider to the OFF position.
- Tap and hold a slider for finer control as you adjust a setting.
- Tap at either end of a slider to adjust the control up or down in 1% increments.

## A note on OX Stomp EQ settings

OX Stomp EQ frequencies and Q (bandwidth) are often customized for different Rigs. Because of the complexity of the EQ parameters, EQ frequency and Q settings are not displayed or adjustable in the UAFX Control app.

The following settings are the EQ frequencies and Q factors for the Default Rig. For other Rigs, the EQ settings may be different. If you want to know the exact EQ settings for a sound you are building, start with the Default Rig. Otherwise, we encourage using your ears and experimenting.

### All HIGH CUT EQs

- 20 kHz, Slope 6

### All LOW CUT EQs

- 20 Hz, Slope 6

## MIC 1 / MIC 2 / ROOM EQs

- LO: 120 Hz, Q 0
- LO MID: 400 Hz, Q 2.0
- MID: 1 kHz, Q 1.5
- HI: 7 kHz, Q 0

## MASTER EQ

- LO: 120 Hz, Q 0
- LO MID: 400 Hz, Q 2.0
- MID: 900 Hz, Q 2.01
- HI: 4 kHz, Q 0

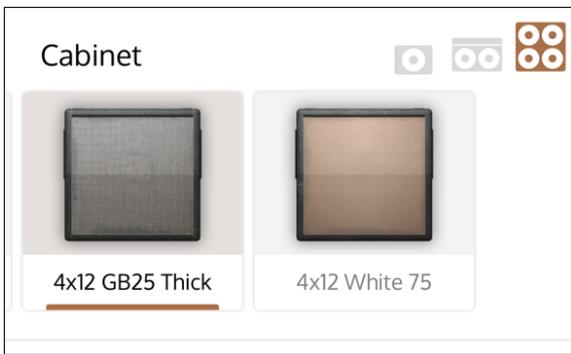
## Save a Rig with UAFX Control

You can save Rigs using the app or with the footswitches. For details, [go here](#).

## Change speaker cabinets

Select the OX Stomp cabinet under the Cabinet section. When you select a Cabinet, the Rig is updated to use the new cabinet sound.

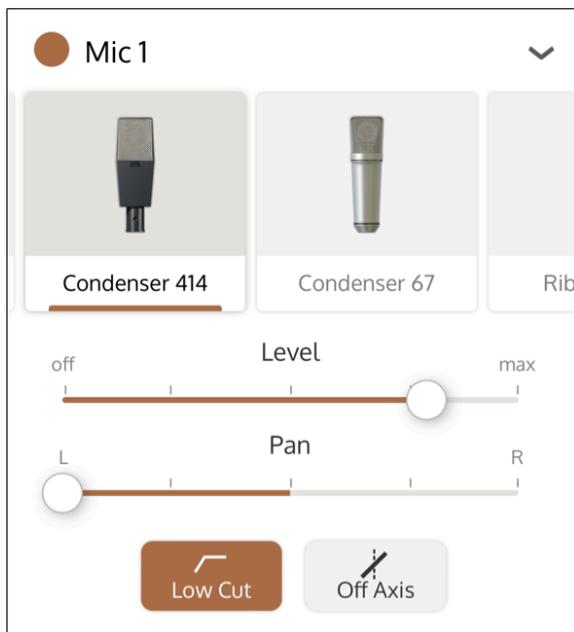
- Tap a Cabinet to select it.
- To switch between cabinets with one, two or four speakers, tap the icon for each configuration at the top right of the Cabinet section.
- Swipe left and right on the Cabinets to see the full list.



## Adjust mic characteristics

Select the OX Stomp mics under the Mic 1 and Mic 2 section. When you select a new mic, the Rig is updated to use the new mic sound.

- 1 Tap a mic to select it.
- 2 Swipe left and right on the mics to see the full list.
- 3 Tap the selection triangle at the right of the mic label to expand the mic settings.

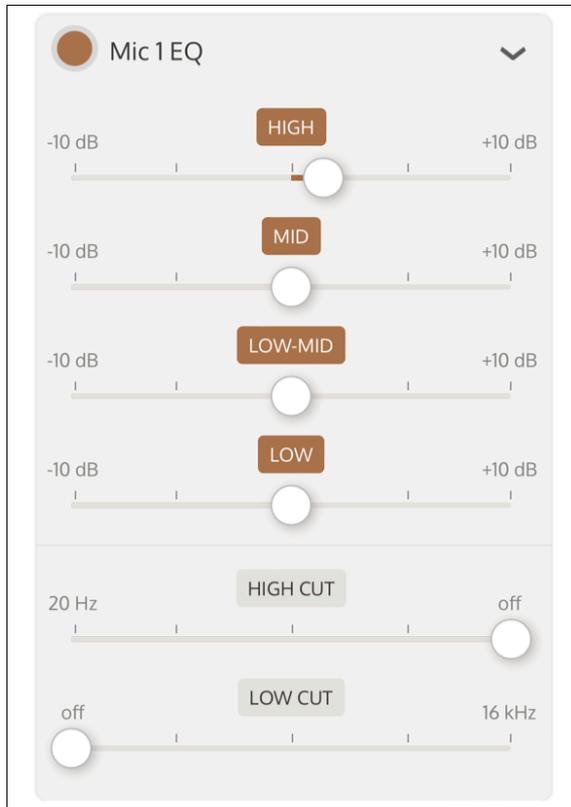


- 4 Enable or mute the mic with the button next to the Mic name (Mic 1 or Mic 2). The mic is enabled when the button is highlighted.
- Note:** Some factory Rigs include a mic that is muted.
- 5 Adjust the mic level with the Level slider. You can also adjust the mic level with the Mic 1 or Mic 2 knob on the OX Stomp hardware.
  - 6 Adjust the panning of the mic with the Pan slider.
  - 7 To apply a low cut, tap the Low Cut button.

- 8 To angle the mic off axis, tap the Off Axis button.

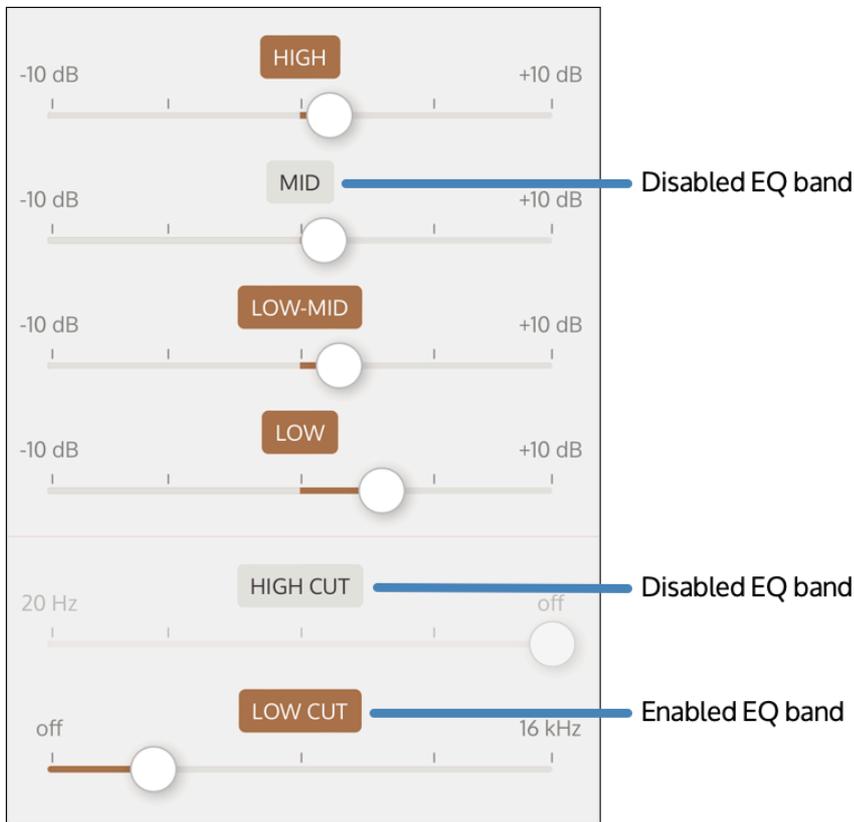
## Enable and adjust Mic EQ

- 1 Enable or disable the EQ for a mic by highlighting or clearing the Mic 1/2 EQ button.
- 2 Tap the selection triangle at the right of the EQ label to expand the EQ sliders.



- 3 Adjust the boost/cut for each EQ band with the sliders.
- 4 Adjust the high cut and low cut filters with the sliders.

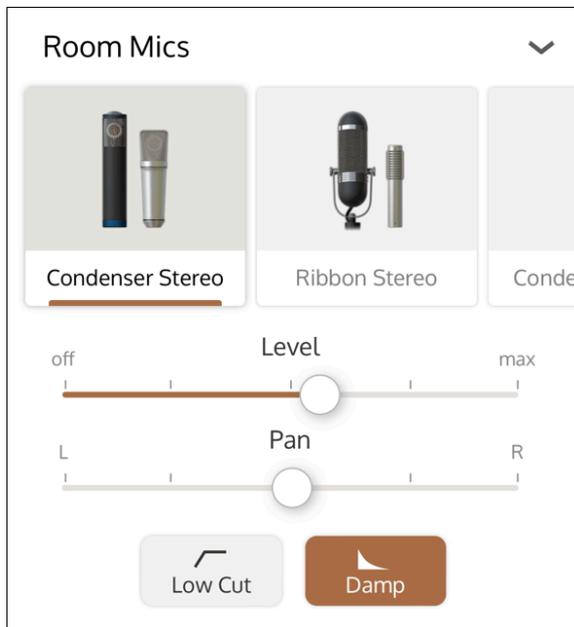
**Note:** EQ bands can be enabled or disabled. A disabled EQ band has a grayed-out label, and an enabled EQ band has a brown label. To enable or disable an EQ band, tap the band label.



## Adjust Room Mics

You can include room tone in your Rig to increase the sense of space and dimension for the sound.

- 1 Tap a room mic or room mic pair to select it.
- 2 Swipe left and right on the mics to see the full list.
- 3 Tap the selection triangle at the right of the room mic label to open the room mic settings.



- 4 Adjust the room mic level with the Level slider.
- 5 Adjust the panning of the room mic(s) with the Pan slider.
- 6 To apply a low cut, tap the Low Cut button.
- 7 To damp the room, tap to enable the Damp button.

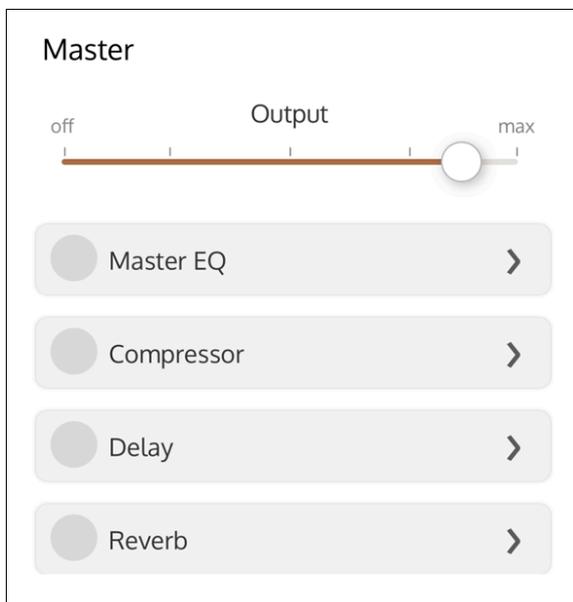
Damping adds baffles and carpeting to tighten and even out the room sound.

## Adjust master controls

The master controls section allows you to adjust the overall output level of the Rig, and apply EQ, compression, delay, and reverb (post-cabinet and mic emulation) to the entire rig output.

To adjust Rig level:

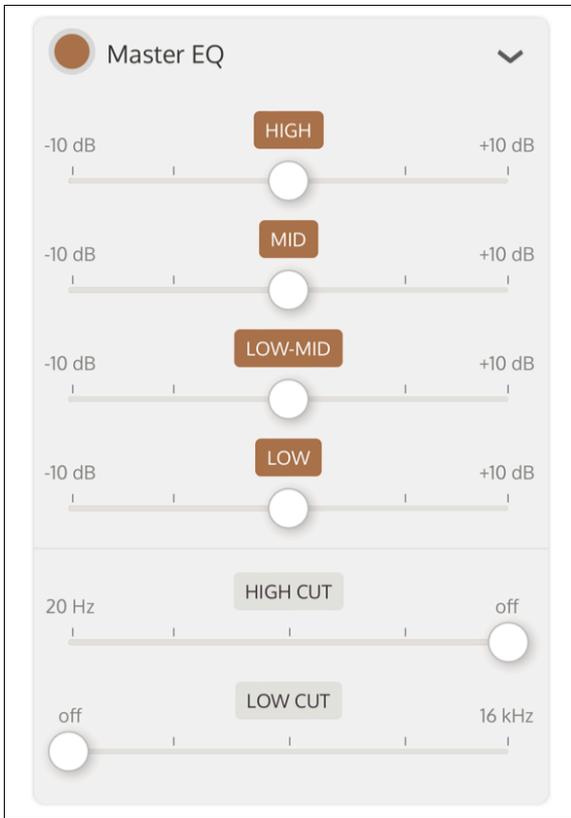
- Scroll down to see the Master section.
- Adjust the overall output volume with the Output slider in the UAFX Control app, or with the Output knob on the OX Stomp hardware.



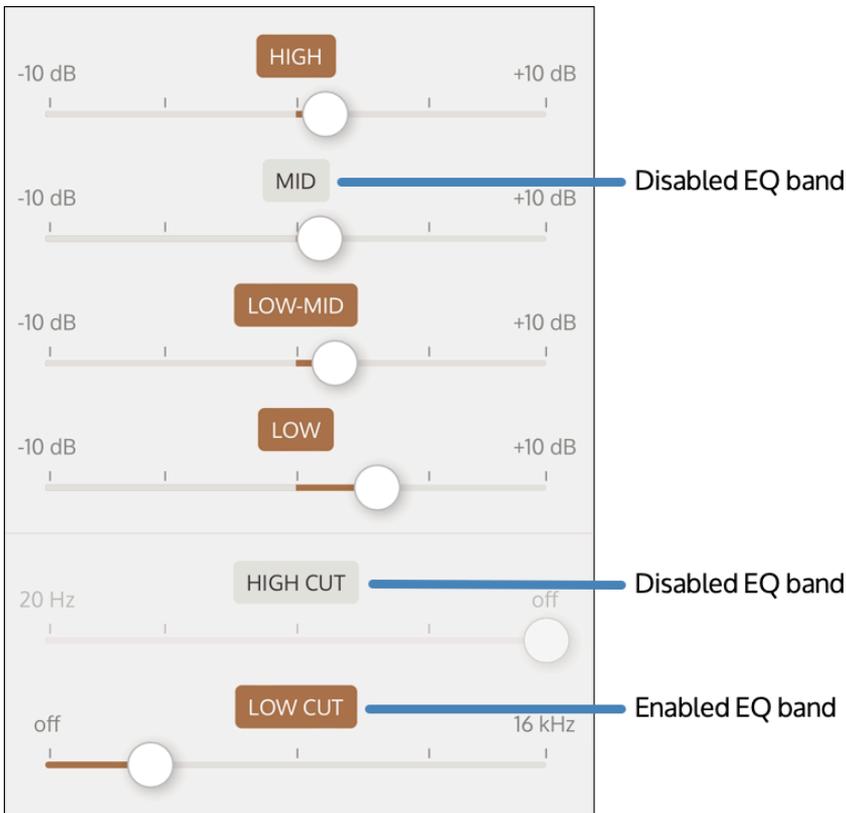
## Enable and adjust Master EQ

The Master EQ applies equalization to the overall Rig.

- 1 Enable or disable the Master EQ by highlighting or clearing the Master EQ button.
- 2 Tap the selection triangle at the right of the Master EQ label to open the master EQ settings.
- 3 Adjust the boost/cut for each EQ band with the sliders.
- 4 Adjust the high cut and low cut filters with the sliders.



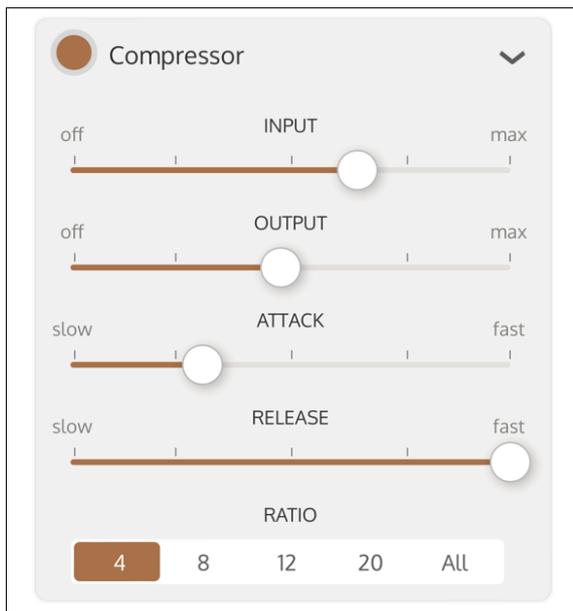
**Note:** EQ bands can be enabled or disabled. A disabled EQ band has a grayed-out label, and an enabled EQ band has a brown label. To enable or disable an EQ band, tap the band label.



## Enable and adjust compression

Enable the 1176 compressor on the overall Rig to smooth out the sound or to add an aggressive edge.

- 1 Enable or disable the Compressor by highlighting or clearing the Compressor button.
- 2 Tap the selection triangle at the right of the Compressor label to open the master compressor settings.
- 3 Adjust the settings for Input, Output, Attack, and Release with the sliders.
- 4 Set the Ratio by tapping the ratio.



## Enable and adjust delay

Enable Delay to add delays, chorus, or flanging to the overall Rig. The delay types are described below.

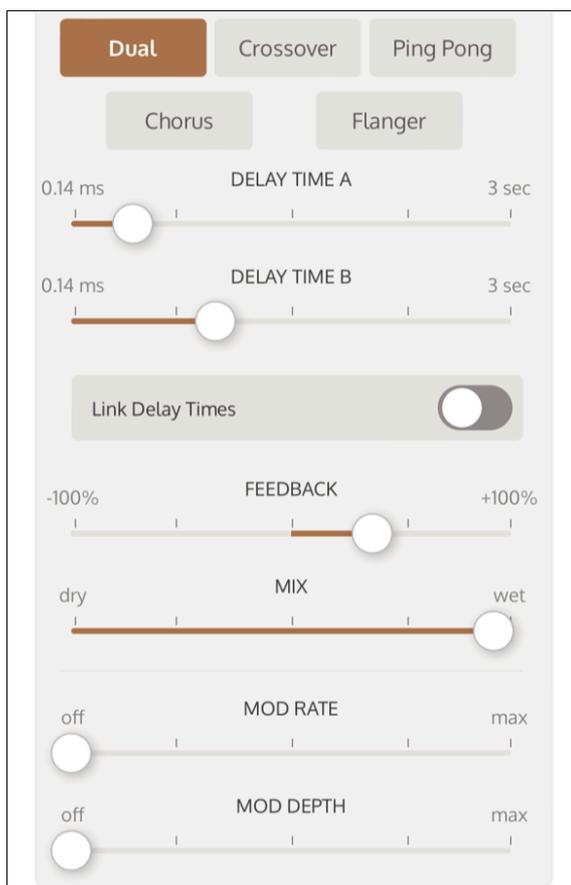
Delay Type	Description
Dual	The recirculated signal is routed from the output of the delay line to the input of the same delay line. This creates two entirely separate stereo delay lines.
Crossover	The recirculated signal is routed from the output of the delay line to the input of the opposite delay line. This creates a stereo delay that crosses over from one output to the other input.

**Ping Pong** The input is routed to Delay A only, and the output of Delay A is routed to the input of Delay B. This creates a delay that seems to bounce between the stereo outputs.

**Chorus** Like Dual, but with short delay time ranges that are more suitable for a chorus effect. To hear the Chorus effect, you need to move the Mod sliders above the "off" position.

**Flanger** Like Dual, with very short delay time ranges that are suitable for a flanging effect. To hear the Flanger effect, you need to move the Mod sliders above the "off" position.

- 1 Enable or disable the delay by highlighting or clearing the Delay button.
- 2 Tap the selection triangle at the right of the Delay button to open the master delay settings.



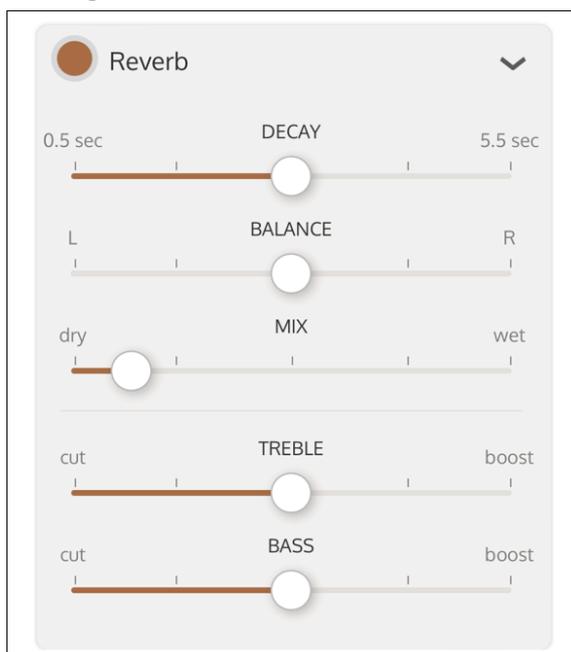
- 3 Tap the type of delay to enable. Note that the maximum delay times are shorter when you select the Chorus or Flanger delay type.

- 4 Adjust the sliders to configure the delay times. To adjust the delay times separately, deselect Link Delay Times. Note that if you adjust delay times separately, then select Link Delay Times, the delay times are adjusted relatively.
- 5 Adjust the feedback amount with the Feedback slider. Positive feedback amounts are typical for delays. Negative feedback can give more interesting results with choruses and flangers.
- 6 Adjust the mix level with the Mix slider. Note that when set fully Wet, you hear only the delayed signal. For chorus and flanger settings, set the mix around 50% for optimum results.
- 7 Adjust the Mod Rate and Mod Depth to add modulation to the delayed signal (required for Chorus and Flanger effects).

## Enable and adjust reverb

Enable Reverb to add plate reverb to the overall Rig.

- 1 Enable or disable the reverb by highlighting or clearing the Reverb button.
- 2 Tap the selection triangle at the right of the Reverb button to open the master reverb settings.



- 3 Adjust the sliders to configure the reverb decay, balance and mix.

- 4 Cut or boost highs and lows in the reverb signal with the Treble and Bass sliders.

**Tip:** The Reverb Mix control is 15% wet at the halfway point, to allow finer control over lower reverb mix settings.

## Ox Stomp Rigs, Cabs, and Mics

### Default Ox Stomp Rigs

RIG Knob	RIG Name	Cabinets	Close Mics	Master Effects
1	4x12 Green Punch 1	4x12 GB 25 Punch	Condenser 67 & Ribbon 121	None
2	1x12 50s Twang 2	1x12 Blue J	Dynamic 57 & Ribbon 121	Plate Reverb
3	2x12 Honkin Silvers 3	2x12 Ace Top	Ribbon 160 & Condenser 67	None
4	4x10 Pristine Clean Room 4	4x10 Bman	Condenser 414 & Condenser 67	Plate Reverb
5	1x10 Roomy Tiny Combo 5	1x10 Black Cha	Dynamic 421 & Condenser 414	None
6	2x12 Comfortable Lead 6	2x12 Boutique D65	Condenser 414 & Condenser 67	Delay & Plate Reverb

### Ox Stomp Speaker Cabinets

<b>1x10 Black Cha</b> (Fender Super Champ w/ vintage Fender "Blue")	<b>2x12 Alnico 50</b> (Fender closed-back extension cab w/ Eminence EJ1250s)
<b>1x12 Blue J</b> ('55 Fender Tweed Deluxe w/ vintage Jensen P12R)	<b>4x10 Bman</b> ('59 Fender Bassman w/ reissue Jensen P10Rs)
<b>1x12 GB25</b> ('55 Fender Tweed Deluxe w/ vintage Celestion "Greenback")	<b>4x12 GB25 Thick</b> (Late '60s Marshall w/ vintage Celestion 25-watt "Greenbacks")
<b>1x12 Blu 15</b> ('55 Fender Tweed Deluxe w/ reissue Celestion Alnico "Blue")	<b>4x12 GB25 Punch</b> (Late '60s Marshall w/ vintage Celestion 25-watt "Greenbacks")
<b>1x12 Black D-ux</b> (Mid-'60s Fender Deluxe Reverb w/ vintage Oxford 12K5-6)	<b>4x12 Super 80</b> ('80s Marshall w/ Celestion 80-watt Classic Leads)
<b>1x12 Black GB30</b> (Fender Princeton II w/ Celestion G12H)	<b>4x12 White 75</b> ('80s Marshall w/ Celestion 75-watt Creambacks)
<b>2x10 V-ux</b> (Late-'60s Fender Vibrolux w/ stock vintage Fender "Blues")	<b>1x12 JBG 125</b> (Custom-made "D" cab w/ vintage JBL G-125)
<b>2x12 Two Verb</b> (Late-'60s Fender Twin Reverb w/ vintage Jensen C12Ns)	<b>2x12 JBF 120</b> (Late '60s Fender Twin Reverb w/ vintage JBL D-120Fs)
<b>2x12 Black 8H</b> (Custom Altec cabinet w/ vintage Altec 8H Series IIs)	<b>4x12 GB 30</b> (Marshall "100" birch cab w/ Celestion 30-watt "Greenbacks")
<b>2x12 Ace Top</b> (Mid-'60s Vox AC30 w/ vintage Celestion "Silver Bulldogs")	<b>4x12 UK VEE 30</b> (Marshall 1960 TV cab w/ Celestion Vintage 30s)
<b>2x12 Boutique D65</b> (Two-Rock extension cab w/ Celestion G12-65s)	<b>4x12 CA VEE 30</b> (Mesa/Boogie Recto large cab w/ Celestion Vintage 30s)

The 22 speaker cabinets available with OX Stomp are listed below. The cabinets can be individually selected within the UAFX Control app.

Cabinet	Description
1x10 Black Cha	This small, open-back vintage 10-inch speaker has that classic small amp honk. When Speaker Drive is pushed, this speaker has resonant sub-octave tones in the high F and B range.
1x12 Black GB30	This open-back cabinet is paired with a more overdrive friendly British 30 "green" speaker. When Speaker Drive is pushed, this speaker breaks up on high notes around E, G#, B, and C.
1x12 Black D-UX	This mid '60s-era cabinet and speaker delivers classic open-back 12-inch speaker combo tones. This pristinely-kept speaker breaks up on high notes around F, G#, and C when Speaker Drive is pushed.
1x12 JBG125	Similar to the extended range and power handling of the JBF 120 with its aluminum dust cap, this speaker also has a large voice coil, but with a paper dust cap. This rare speaker, favored by the most famous boutique amp builders of the '70s and '80s, delivers an articulate sound for cleans but with a warmer overall tone. This speaker breaks up on high notes around C#.
1x12 Blu 15	Using a low-wattage "blue" 15-watt speaker, this open-back cabinet breaks up on high notes in the F, G#, and C range when Speaker Drive is pushed.
1x12 GB25	This '50s-era open-back cabinet is paired with a more overdrive-friendly British 25 "green" speaker. When Speaker Drive is pushed,

this speaker breaks up on high notes in the F and A range.

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1x12 Blue J

This 50s-era cabinet and speaker delivers classic American open-back 12-inch speaker tones. When Speaker Drive is pushed, this well worn speaker breaks up on high notes around E, A, B, and C#.

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2x10 V-UX

This late '60s-era cabinet and speaker delivers classic open-back two 10-inch speaker combo tones. These pristinely-kept speakers break up on high notes around F when Speaker Drive is pushed.

---

2x12 Ace Top

This mid '60s-era cabinet with "silver" speakers delivers classic British open-back 12-inch speaker combo tones. When Speaker Drive is pushed, these well-used speakers break up on high notes around G# and C.

---

2x12 Alnico 50

This closed-back cabinet features two modern, American made Alnico 50-watt speakers. Designed for smooth and singing single note tones when using high-gain, these speakers break up on high notes in the F#, A#, B, and C# range when Speaker Drive is pushed.

---

2x12 Black 8h

This custom half-closed cabinet features the highly sought after "black" high-wattage speakers favored by early '80s metal players. These aluminum-capped speakers cut right through any mix with ease. These vintage speakers break up on high notes around G and F# when Speaker Drive is pushed.

---

2x12 D65

This custom ported cabinet features British style 65-watt speakers and is the choice of many modern blues and rock players. The speaker and cabinet combination delivers tight bottom end clarity. When SPEAKER DRIVE is pushed, these speakers break up on high notes around F# and C#.

---

2x12 Two Verb

The classic pairing of american made 12-inch vintage speakers in an open-back cabinet has great bottom and punch. When Speaker Drive is pushed these speakers break up on high notes around A and C#.

---

2x12 JBF 120

This late '60s-era cabinet, used by the biggest players in Country, Surf, and Psychedelic Rock, relied on the incredible punch and articulation

of these speakers. This cabinet really shines with loud and clean tube amps and will break up on high notes around D.

---

#### 4x10 Bman

Although this classic pairing of four 10-inch speakers in an open-back cabinet was originally meant for bass, it's just as great for guitar tones. This setup has a scooped midrange and extended presence. When Speaker Drive is pushed, these speakers break up on high notes around C.

---

#### 4x12 GB 30

This vintage style basketweave, closed-back cabinet with four 12-inch speakers is great for distorted classic rock tones. These "green" 30-watt speakers have lots of treble definition with a tight bass response. They break up on notes around high D.

---

#### 4x12 UK Vee 30

This vintage style closed-back cabinet with four 12-inch speakers is one of the industry standards for modern rock and metal guitar. This cabinet and speaker setup has an aggressive upper midrange edge. These speakers break up on notes around high C.

---

#### 4x12 CA Vee 30

This modern and deep closed-back cabinet with four 12-inch speakers was designed for heavy, distorted, and scooped amp tones. This cabinet and speaker setup has a forward low midrange with high end edge. These speakers break up on notes around high D.

---

#### 4x12 Super 80

This custom ported cabinet features four 12-inch vintage "lead" 80-watt speakers. These speakers have a soft treble response, but with an aggressive and forward midrange. They break up on high notes around F, A#, and C# when Speaker Drive is pushed.

---

#### 4x12 GB25 Punch

This vintage closed-back cabinet with four 12-inch speakers is the sound of rock guitar. With original "green" 25-watt speakers, it breaks up on high notes around F#, G#, and C when Speaker Drive is pushed. This specific vintage cabinet has a moderately scooped midrange delivering a tighter sound.

---

#### 4x12 GB25 Thick

This vintage closed-back cabinet with four 12-inch speakers is the sound of rock guitar. With original "green" 25-watt speakers, it breaks up on high notes around F#, G#, and C when Speaker Drive is pushed.

This specific vintage cabinet has an extended low midrange and bass response.

---

#### 4x12 White 75

This custom ported cabinet features 12-inch "white/cream" 75-watt modern British speakers. These speakers have an extended treble/presence frequency response and break up on high notes around G# and C# when Speaker Drive is pushed.

## Ox Stomp Cabinet Mics

The six close mics (and one DI box) used on each of the speaker cabinets are listed below. The close mics can be individually accessed for any cabinet within the OX software app.

Dynamic Speaker Modeling allows any single close mic, or any two different close mics, to be used on any cabinet. The close mics can be panned for stereo captures.

Additionally, because Dynamic Speaker Modeling allows each close mic to be individually positioned on or off axis, an extraordinarily broad sonic pallet is available.

Mic	Description
Dynamic 421	The dynamic "421" has been a favorite choice for guitar in Europe since the early '60s. Our model is based on a vintage white unit from 1963. The "421" has thicker bottom end and smoother treble response than the dynamic "57" making it a great choice for smooth distorted tones.
Dynamic 57	The dynamic "57" has been the industry standard in the US for recording loud guitar amps since the late '60s. Our model is based on a vintage unit from the '70s. With a natural bass roll off and accentuated upper midrange, this mic always cuts through any mix with practically no need for console EQ.

---

Condenser 414	The condenser "414" is the perfect mic for capturing high end clarity and low end punch. This solid-state condenser mic can instantly deliver a modern-sounding "smile" EQ curve. Depending on the speaker, you may want to use LOW CUT on the mic channels.
Condenser 67	The condenser "67" can be heard on the biggest pop and rock records of the '60s, '70s, and '80s. This tube condenser mic has a wide frequency range without sounding harsh or bottom heavy. It has a gentle upper midrange that's great for distorted rhythm guitars.
Ribbon 160	The ribbon "160" was used by England-based recording engineers to capture loud guitar amps and drums on some of the greatest rock records of the late '60s. Our model is based on a vintage silver unit from the '60s. It has a smooth midrange and warm treble response.
Ribbon 121	The ribbon "121" is a modern classic for electric guitar. With its silky high end and extended bass frequency range, many engineers pair the "121" with the "57" to even out the sound. The "121" is also great on its own, but depending on the speaker, you may want to use LOW CUT on the mic channels.
Direct Box	In direct mode you get the raw sound of your amp, without a guitar speaker, while still responding as if the amp is driving a proper reactive speaker load.

## Ox Stomp Room Mics

The five room mics capture the ambience of a high quality recording studio room for OX Stomp's Dynamic Room Modeling. Matched stereo pairs are available for stereo ambience.

The room mics can be individually accessed for every Rig within the UAFX Control app.

Mic(s)	Description
Condenser Stereo	These tube condenser mics are placed in the drum area of the tracking room. In "live" mode (DAMP off), this pair has high-end clarity

and a thick bottom end. With DAMP enabled, baffles and carpeting help tighten up the bottom end and make for a quicker response time.

---

**Ribbon Stereo**      These ribbon mics are placed in the drum area of the tracking room. In "live" mode (DAMP off), this pair has a warm treble response with an overall vintage '50s and '60s session vibe. With DAMP enabled, baffles and carpeting remove midrange and make for a quicker response time.

---

**Condenser Mono**      This tube condenser mic is placed in the left side of the tracking room (when viewed from control room). In "live" mode (DAMP off), this mic has a punchy midrange and thick bottom end. With DAMP enabled, baffles and carpeting help tighten up the bottom end and tame the midrange.

---

**Condenser 67 Mono**      This tube condenser mic is placed in the right side of the tracking room by the drum overheads (when viewed from control room). In "live" mode (DAMP off), this mic has a smooth midrange and aggressive low end. With DAMP enabled, baffles and carpeting remove subsonic low end.

---

**Ribbon 84 Mono**      This ribbon mic has an old school recording studio vibe. In "live" mode (DAMP off), it has a dark treble response and overall midrange-based sound. With DAMP enabled, baffles and carpeting remove midrange, add some treble, and make for a quicker response time.

---

**Ribbon 121 Mono**      This modern ribbon mic adds depth and punch without getting in the way of the close mics' high end. In "live" mode (DAMP off), it has a smooth treble response and extended bass response. With DAMP enabled, baffles and carpeting tighten up the bottom end and there is a quicker response time.

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# OX Stomp Specifications

*All specifications are subject to change without notice.*

Power requirements (power supply sold separately)	Isolated 9VDC, center-negative, 400mA minimum
Inputs	2 x ¼" unbalanced TS (input 2 for stereo connections)
Outputs	2 x ¼" unbalanced TS (output 2 for stereo connections)
Bypass modes (switchable within UAFX Control app)	Buffered bypass
Input impedance	500 Kilohms (Mono In) 1 Megohms (Stereo In)
Output impedance	500 Ohms
Maximum input level	12.2 dBu
Maximum output level	12.1 dBu
Frequency response	20 Hz to 20 kHz, ±1 dB
USB Type-C	For registration and firmware updates via computer
Wireless technology	Bluetooth v5
Transmitted Frequency Range	2.400 GHz – 2.4835 GHz
Maximum Output Power	+4.35 dBm
Dimensions (with knobs and protrusions)	Height: 2.56 inches, 6.5 cm Width: 3.62 inches, 9.2 cm Depth: 5.55 inches, 14.1 cm
Weight (unboxed)	1.3 lbs 0.588 kg

# OX Stomp Safety



**Caution:** To help maintain the safety of your product, the chosen power supply must be

a certified power supply complying with Limited Power Source (LPS) requirements with the following characteristics and electrical ratings: Isolated 9VDC, center-negative, 400 mA minimum, 2.1x5.5 mm barrel connector. Additional details at [help.uaudio.com](https://help.uaudio.com).



Before using this unit, be sure to carefully read the applicable items of these operating

instructions and the safety suggestions. Afterwards, keep them handy for future reference.

Take special care to follow the warnings indicated on the unit, as well as in the operating instructions.

- Read the instructions.
- Keep these instructions.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. • Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use with attachments/accessories specified by the manufacturer.

- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- This equipment does not contain a fuse or any other user-replaceable parts.
- A compliance marking label is provided on bottom of the unit.

### United States Class B Manual Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Japanese Class B Manual Statement

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。取扱説明書に従って正しい取り扱いをして下さい。VCCI-B

(This is Class B equipment. Although this equipment is intended for use in residential environments, it could cause poor reception if used near a radio television receiver. Please follow all instructions in the instruction manual.)

License exempt. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference,

and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

### Taiwan NCC Warning Statement

本公司產品取得NCC 低功率射頻器材審驗證明依據「低功率射頻器材技術規範」之新警語如下:「取得審明之低功率射頻器材, 非經核准, 公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信; 經發現有干擾現象時, 應立即停用, 並善至無干擾時方得繼續使用。

The company's products have obtained the NCC low-power radio frequency equipment verification certificate according to the new warnings of "Low-power radio frequency equipment technical specifications" as follows: "The low-power radio frequency equipment that has obtained the verification certificate shall not be changed by the company, firm or user without approval. Frequency, increase power, or change the features and functions of the original design. The use of low-power radio frequency equipment shall not affect flight safety and interfere with legal communications; continue to use.



Used electrical and electronic equipment should not be mixed with general household

waste. Please dispose in accordance with local regulations.

- IEC 62368-1
- FCC ID: 2AXKQ2029
- IC ID: 26610-2029

