

UAFX Enigmatic '82 Overdrive Special Amp Manual

Updated 7 days ago

This article contains complete operating instructions for the UAFX Enigmatic '82 Overdrive Special Amp effects pedal from Universal Audio.



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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, and via our social media channels.

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

Sincerely,



Bill Putnam Jr.

Getting Started with Enigmatic

Enigmatic Quick Start

UAFX pedals include a quick start sheet in the box. To download the sheet, [**go here**](#).

- VOLUME** Adjusts amp gain
- { ROOM }** Adds studio ambience and air
- OVERDRIVE** Adjusts amount of overdrive
OD channel off when fully counter-clockwise
- { RATIO }** Adjusts OD channel output level
- OUTPUT** Overall pedal volume control
- CAB** Cycles through available speakers
When LED is off, amp remains active but cab and room are disabled
- SWITCH** { ALT }: Activates Room, Ratio, Deep/Mid, Presence, and Bright controls
AMP: Standard knob controls
STORE: Hold down to save sound as preset
- TONE*** ROCK: Extra preamp gain and aggressive mids for overdriven tones
JAZZ: Clean and high headroom, with scooped mids for a tighter feel
CUSTOM: FET preamp circuit and amp mods for big, crystalline tones
- BASS** Adjusts low end amount
{ DEEP/MID } Switches Deep/Mid off below noon, on above noon
- MIDDLE** Adjusts midrange amount
{ PRESENCE } Adjusts high end sparkle
- TREBLE** Adjusts high end amount
{ BRIGHT } Switches between no bright cap (counter-clockwise) and three bright cap values from classic amps
- ON** Toggles amp on/off*
LED lit when knob settings are active
- PRESET** Toggles preset on/off*
LED lit when stored settings are active
- *Customize your amp tones and footswitch modes with the UAFX Control app



Enigmatic Firmware

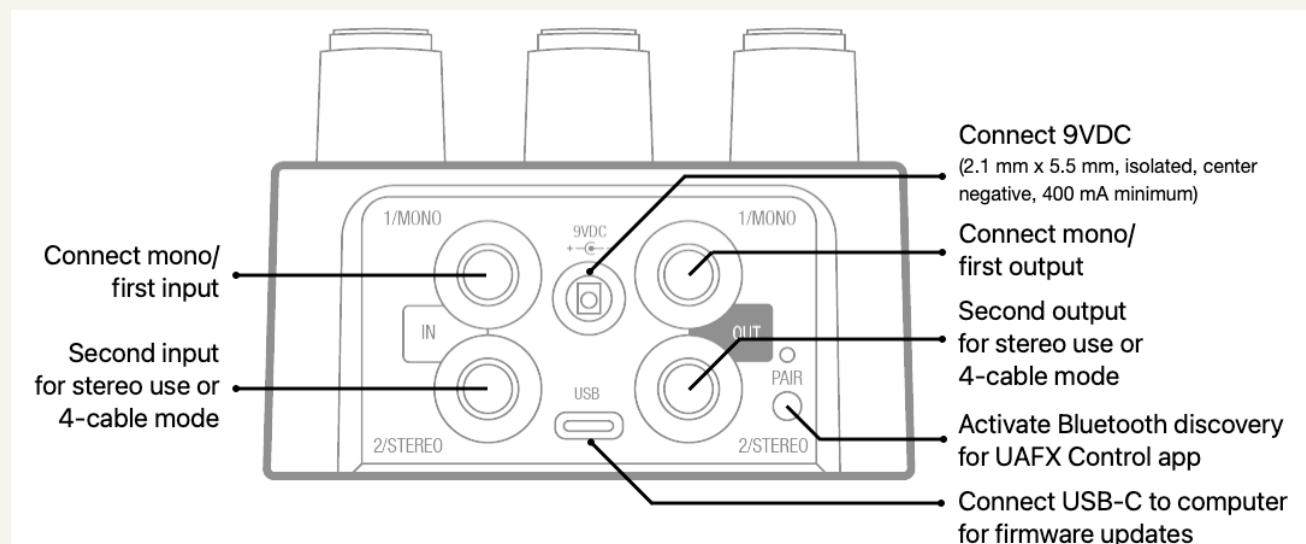
Be sure to update your pedal's firmware with UA Connect to get the latest features and functionality. To learn how to use UA Connect with your UAFX pedals, [go here](#).

Enigmatic Power

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

Enigmatic Connections

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



Enigmatic Overview

Get the mythical tones that enchanted legends.

Enigmatic '82 Overdrive Special Amp gives you the heavenly guitar sounds of Stevie Ray Vaughan, John Mayer, Robben Ford, Joe Bonamassa, and Carlos Santana.*

Perfectly capturing rare ODS amps spanning 30 years, from 1970's Santa Cruz designs to later iterations built in LA in the '80s and '90s, Enigmatic '82 gives you the sound of the most elusive guitar amps ever made.

- Get 30 years of the greatest tube amps ever made — perfectly emulated, right on your pedalboard
- Build your own unique D-Style amp in Custom Mode using Classic and Skyline tone stacks, fabled HRM overdrive EQ, and more

- Flip between Rock and Jazz modes for expressive lead playing or punchy rhythm and chord work
- Select between nine classic mic/speaker pairs used on legendary sessions and explore artist presets in the UAFX app

Get Decades of Rare ODS Tone

We wore out the rolodex to find Overdrive Special amps spanning three essential eras. From the 1970's Santa Cruz models that brought the amp into the spotlight, to LA iterations from the '80s and '90s used on legendary sessions, Enigmatic '82 gives you the sound of the most wildly expensive and coveted guitar amps in history.

Build Your Own Custom D-Style Amp

Put Enigmatic '82 into Custom Mode to go under the hood and tweak your own ODS circuit. Start with four classic output tube and power supply setups, and select your favorite era of tone stack EQ. Then add the famed Hot Rubber Monkey mod to get world-famous "D-style" overdrive and compression.

Play Essential Rock & Jazz Modes

Flip between Jazz and Rock modes to experience cloud-like cleans to blooming overdrive.

Whether you favor intricate chord work or expressive lead playing, you'll instantly find that classic ODS sound that responds to every nuance of your touch and cuts right through the mix.

Explore Classic Mic & Speaker Pairs

We handpicked famous mic and speaker combinations and captured them using our groundbreaking Dynamic Speaker Modeling, so Enigmatic '82 will give you album-ready tones for going direct into your mixer or DAW.

Take Control with the UAFX App

Use the UAFX mobile app to find and save your favorite tones, plus explore artist presets crafted by the world's top guitarists and Overdrive Special aficionados.

**Use of artist names does not constitute official endorsement of UAFX Enigmatic '82 Overdrive Special Amp.*

UAFX Control and UA Connect software

UA Connect and UAFX Control are the companion apps for your UAFX pedal.

UA Connect Computer App – UA Connect is for firmware updates and getting your free bonus speaker cabinets.

UAFX Control Mobile App – UAFX Control is for getting your free bonus speaker cabinets and factory/artist presets, and deeper editing.

UAFX Control also has preset management and deeper editing for global settings such as footswitch modes, and many optional settings, such as the amp type, preamp boost, and EQ options.

Free Bonus Speaker Cabinets and Presets

Register your pedal with UA Connect or UAFX Control to get six bonus speaker cabinets and factory/artist presets for more great tones. To get UA Connect and UAFX Control, visit:

uaudio.com/uafx/start

Enigmatic Operation

Live Mode and Preset Mode

Note: Enigmatic is in Live | Preset mode by default. You can use UAFX Control to change footswitch assignments.

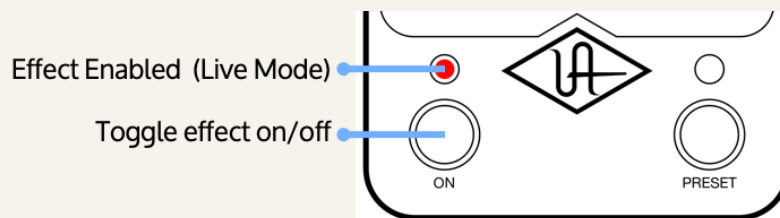
In Live mode, the sound reflects the current positions of the knobs, switches, and LEDs on the pedal, and the left footswitch toggles the Live mode effect on/off.

In Preset mode, you hear the settings that are stored as a preset, and the current positions of the knobs and switches do not reflect the sound. Instead, all knob and switch positions are internally set to their stored positions, and the right footswitch toggles the preset effect on/off.

You can store a preset you've made with your own settings by holding down the STORE switch until the green PRESET footswitch LED blinks rapidly (about 0.5 seconds)

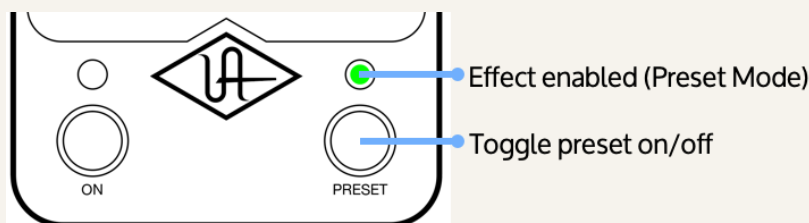
Live Mode

To enter Live mode, press the left footswitch. Press the left footswitch again to toggle the live effect on/off. The left footswitch LED is lit red when the Live mode effect is on.



Preset Mode

To enter Preset mode, press the right footswitch. Press the right footswitch again to toggle the preset on/off. The right footswitch LED is lit green when the preset is on.



Note: The left and right footswitch functions can be changed in UAFX Control.

Stored Preset

You can store a preset on your UAFX pedal, and recall it using the right footswitch. All presets you store, and other artist and factory presets, are available in UAFX Control.

When you store a preset while in Live mode, the position of all knobs and switches on the pedal (including ALT values) are saved. When you make a great sound in Live mode, storing it is as easy as holding down the STORE switch until the green PRESET footswitch LED blinks rapidly (about 0.5 seconds).

When you store a preset while in Preset mode, only those knobs and switches that have changed since you loaded the preset are saved. So, when saving in Preset mode, what you hear is what is saved, and not the current positions of the knobs and switches.

To store your sound as a preset

- 1 Set your sound as you want it stored in the preset.
- 2 Press and hold the STORE switch in the down position until the green PRESET footswitch LED blinks rapidly (about 0.5 seconds).

Preset Notes

- The settings for Preset mode and Live mode are completely independent.
 - When you move a knob or switch in Preset mode, the settings for the sound immediately jump to the new knob or switch position.
 - You can view and audition all of your pedal's presets with UAFX Control.
 - Presets can only be stored when the pedal is not bypassed.
-

Creating Sounds on Enigmatic

This section will help you to build a sound on your Enigmatic pedal.

Jazz and Rock Tone settings

The Jazz and Rock Tone settings have unique gain structures and sounds, based on their tone stack EQ. In Live Mode, the settings for the Tone Stack EQ (Custom tone), Tone Stack Type, Normal/FET input, FET Trim, and HRM Overdrive EQ are retained with the channel settings. Preamp Boost is a global setting. In Preset Mode, per-channel settings are not retained when you change the Tone switch setting.

Mode	Description	Notes
I		
Rock	Punchy, with more midrange push, and hotter overall gain.	Accessed with the Rock switch on the original amp.
Jazz	More blackface-like, lower gain, less mids.	Accessed with the Jazz switch on the original amp.
Custo m	Can be customized with your choice of tone stack EQ and type.	Build your own amp.

Building Sounds with Enigmatic

This diagram shows how you can build an Enigmatic '82 Overdrive Special Amp sound. It illustrates the interactions between different settings that you can change with the pedal's controls and the UAFX Control app.

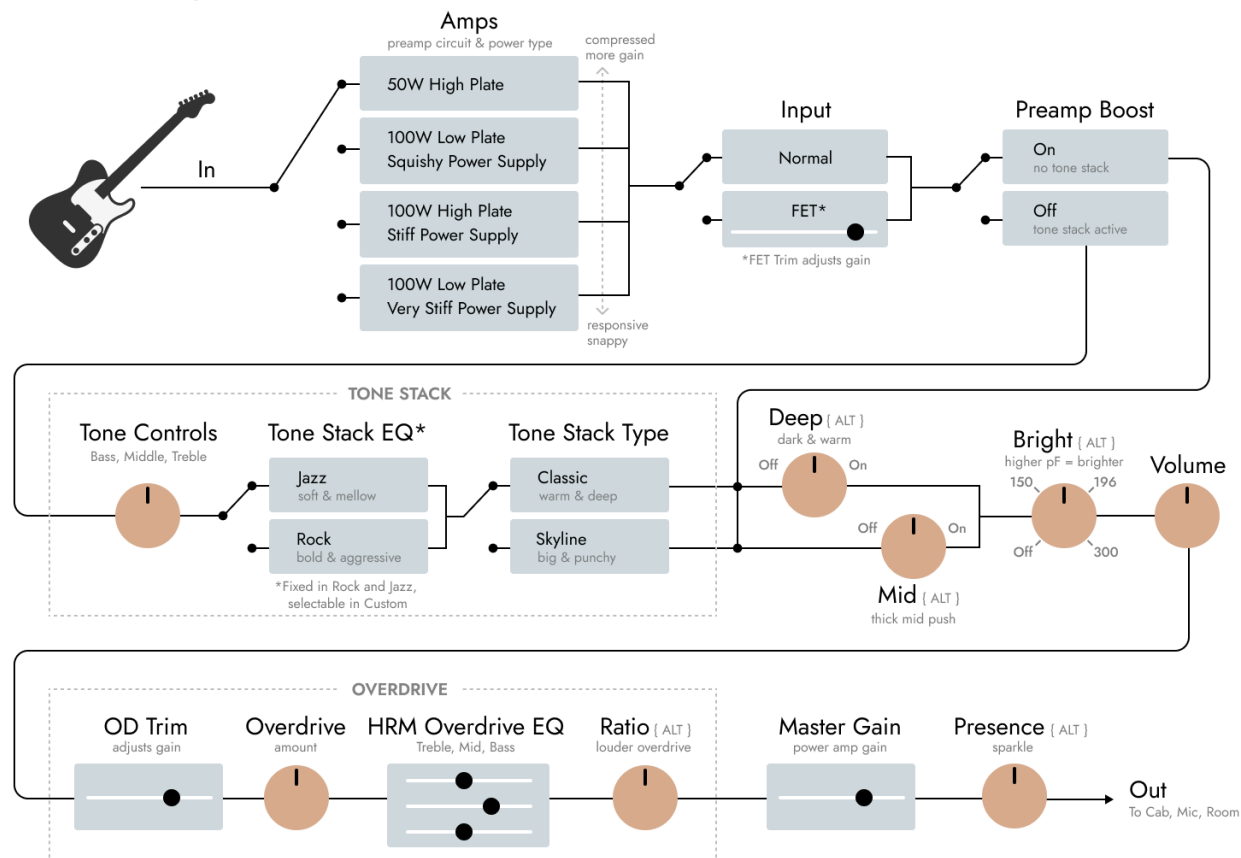
Note: This chart is not intended to show the actual circuit topology, but rather how different factors interact to create a sound on Enigmatic.

[Get the Enigmatic Tone Workflow Diagram PDF](#)

Enigmatic '82 Overdrive Special Amp

Tone Workflow Diagram

On Pedal In UAFX Control App



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Using Enigmatic's preamp boost

Enigmatic's preamp boost is switchable from the UAFX Control app, or with the footswitches in Preamp Boost | Live/Presets mode or Overdrive | Preamp Boost mode. See [Enigmatic footswitch modes](#) for more information.

Enigmatic's preamp boost, like the original amp, bypasses the tone circuit, and adds significant gain. When the preamp boost is enabled, the tone stack is disabled (like the original hardware), so the Bass, Middle, and Treble knobs have no effect.

However, you can still switch between tone stack EQs and tone stack types in the UAFX Control app. This allows you to configure the tone stack you want when preamp boost is disabled, and to control whether the Deep or Mid circuit is available for your sound.

Deep and Mid still change the sound, even when the tone stack is bypassed.

See [Tone Stack EQ](#), [Tone Stack Type](#), and [Deep / Mid](#) for more information.

Using Enigmatic's overdrive

Enigmatic's overdrive circuit adds gain to the amp sound. When the Overdrive knob is at the minimum, the overdrive circuit is disengaged. As you turn the knob up, the amp is pushed first into overdrive, then into distortion, and finally into heavy saturation. Both the Volume knob and the Overdrive knob are active when Overdrive is engaged, and you can adjust the level of gain using both controls.

As with the original hardware, Overdrive is balanced differently from the clean channel level. Like the original amp, Enigmatic includes a Ratio control that you can use to adjust the level of the Overdrive channel to balance with the clean channel. Ratio is available in ALT mode on the Overdrive knob. You may have to turn the Ratio up quite a bit to balance with the clean sound. This might be required when you are using one of the footswitch modes that allows you to switch the Overdrive channel on and off on the same sound (Overdrive | Live/Preset or Overdrive | Preamp Boost).

Using HRM Overdrive EQ

When the Overdrive channel is enabled, the HRM Overdrive EQ circuit can be engaged. On the original hardware, this EQ was available as a set of trim pots on the circuit board. On Enigmatic, HRM Overdrive EQ is enabled and adjusted in the UAFX Control app. The HRM Overdrive EQ is only active when the Overdrive channel is on.

HRM Overdrive EQ has a unique sound that can make subtle or drastic changes to your sound. Unlike the EQ knobs, the HRM Overdrive EQ is available even when Preamp Boost is enabled. See [HRM Overdrive EQ](#) for more information.

More tone shaping with Deep/Mid

Each tone stack type (Classic or Skyline) includes further tone shaping with the Deep/Mid switch. The Deep/Mid switch is available on the Bass knob in ALT mode. To engage Deep or Mid, turn the

knob past noon.

With the Classic tone stack, the Deep switch cuts some high end, shifting the sound toward the low end. With the Skyline tone stack, the Mid switch adds a thick midrange boost to the sound.

Using Enigmatic's bright switch

Use Enigmatic's bright switch to switch in one of three bright caps from classic amps. The bright switch is adjusted in ALT mode with the Treble knob. As you rotate the knob, you can access four options: bright cap off, 150 pF, 196 pF, and 300 pF. The bright cap off setting is darkest, and higher cap values are progressively brighter,. You can see which bright cap is selected in the UAFX Control app (see Overdrive, Bright, and Deep / Mid info strip for more information).

Enigmatic Controls

The following controls are available on Enigmatic.

Volume { Room }

Adjusts two different settings, depending on the position of the Alt / Amp / Store switch.

- AMP mode: Adjusts the level for the first gain stage of the amp. This controls the gain level of the clean channel, and this gain stage cascades into the Overdrive gain.
- ALT mode: Adjusts the amount of room ambience mixed into the signal.

Notes and tips

- Room amount is only mixed with your sound when you use a speaker cabinet. When the speaker cabinet is bypassed, Room has no effect. In this case, the Speaker LED blinks rapidly to indicate the knob is inactive.
- Set Room to noon for a good starting point, and add or remove room to taste. Setting Room fully off is like recording your amp in an isolation booth. Turning up the Room knob adds ambience from the room microphones set up in the tracking room of a studio.
- There is no fully wet Room sound.

Overdrive { Ratio }

Adjusts two different settings, depending on the position of the Alt / Amp / Store switch.

- AMP mode: Adjusts the amount of overdrive gain. Set to minimum to turn off the Overdrive channel.
- ALT mode: Ratio adjusts the output level of the Overdrive channel.

Notes and tips

- Note that the Volume gain cascades into the Overdrive gain, so both Volume and Overdrive contribute to the overall gain of the amp.
- You can adjust the initial overdrive level with the OD Trim control in the UAFX Control app.
- Generally on this type of amp, Ratio needs to be set fairly high to match the level of the clean channel. This is especially relevant when switching the Overdrive channel on and off with one of the **footswitch modes**.

Output

Adjusts the overall output level from the pedal. When Output is set at noon (running direct or into other pedals), it will be roughly the same level as your bypassed volume.

Output allows you to set the level for your setup.

Bass { Deep / Mid }

Adjusts two different settings, depending on the position of the Alt / Amp / Store switch.

- AMP mode: Adjusts the low frequency response of the amp's tone stack. EQ Controls are unavailable when **Preamplifier Boost** is active.
- ALT mode: Switches the Deep or Mid setting on when above noon. Deep is available with the Classic Tone Stack, and Mid is available with the Skyline Tone Stack. You can set the **Tone Stack Type** in the UAFX Control app.

Middle { Presence }

Adjusts two different settings, depending on the position of the Alt / Amp / Store switch.

- AMP mode: Adjusts the mid frequency response of the amp's tone stack. EQ Controls are unavailable when **Preamplifier Boost** is active.
- ALT mode: Adds high end sparkle to the sound.

Treble { Bright }

Adjusts two different settings, depending on the position of the Alt / Amp / Store switch.

- AMP mode: Adjusts the high frequency response of the amp's tone stack. EQ Controls are unavailable when **Preamplifier Boost** is active.
- ALT mode: Switches between four bright cap settings, taken from several original amps: off, 150 pF, 196 pF, and 300 pF. Each value uses approximately 1/4 turn of the knob (**you can see the value in the UAFX Control app**). Higher cap values are brighter.

Cab Switch

Push this switch up or down to change the speaker cabinet and microphone. When you push the switch repeatedly in the same direction, the pedal cycles through all available speaker cabinets.

Tip: Register your pedal to get six free bonus speaker cabinets.

Cab LED

The currently selected speaker cabinet is indicated by this LED. A red LED indicates that the speaker cabinet printed on the pedal is selected. A bonus speaker cabinet is selected when an LED is green or amber (the bonus speaker cabinets don't have labels).

When the LED is off, the amp is active but no speaker cabinet simulation or room sound is applied.

Tip: When playing through a real guitar amplifier and speaker cabinet, you might want to bypass the speaker cabinet emulation by pressing the pedal's CAB switch until its LED is unlit.

Alt / Amp / Store

- In AMP mode, the standard knob controls are available for the amp.
- In ALT mode, the Room, Ratio, Deep/Mid, Presence, and Bright controls are available on the Volume, Overdrive, Bass, Middle, and Treble knobs.
- To store a preset, press and hold the ALT/AMP/STORE switch in the down position until the PRESET footswitch LED blinks rapidly (about 0.5 seconds).

Tone Switch

Enigmatic includes three independent Tones (similar to channels) accessed from the Tone switch. Two Tones provide classic Tone Stack EQ settings, and one is fully customizable. Each Tone independently stores the settings you configure in the UAFX control app.

Use the Tone switch to select the channel.

- Rock – More aggressive, punchy, more mids
- Jazz – Mellow, softer, scooped blackface-style EQ
- Custom – Your custom amp

Left Switch LED

By default, the left footswitch LED is lit red when Live mode knob and switch settings are active. Other states for the left footswitch LED are detailed in [Enigmatic footswitch modes](#).

Left Footswitch

By default, press to toggle the Live mode sound on/off with the current knob and switch settings. This footswitch can also toggle other options, depending on the footswitch mode, as detailed in the table below.

Preset Footswitch LED

The preset footswitch LED is lit green when stored settings are active. There are other modes for the right footswitch LED, as detailed in [Enigmatic footswitch modes](#).

Right Footswitch

By default, press to toggle the Preset sound on/off. This footswitch can also toggle other options, depending on the pedal footswitch mode, as detailed in the table below.

Footswitch modes

With UAFX Control, you can change the operation of your pedal and your pedal's footswitches for your amplifier setup and performance preferences.

For more information on footswitch modes and how to enable them, see [Enigmatic footswitch modes](#).

Mode

Left Footswitch

Right Footswitch

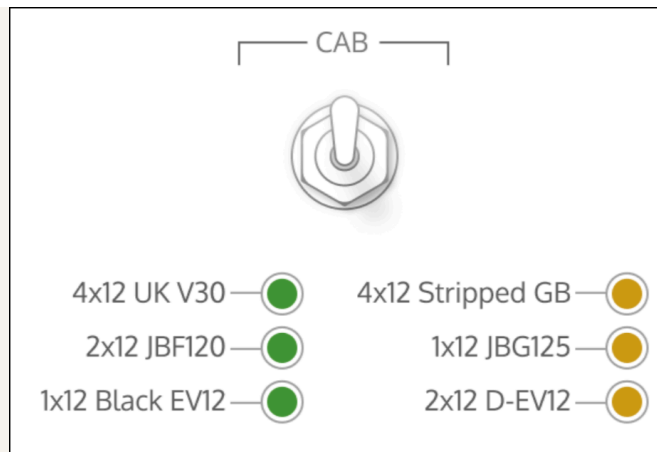
Live Preset	Live mode on/off	Preset on/off
Overdrive Live/Preset	Overdrive on/off	Live mode/Preset toggle
Preamp Boost Live/Preset	Preamp boost on/off	Live mode/Preset toggle
Overdrive Preamp Boost	Overdrive on/off	Preamp boost on/off
4-cable mode	Live mode on/off	Preset mode on/off
Note: If Live and Preset are off, you hear your physical amp's sound.		

Enigmatic Cabs

Each speaker, cabinet, and mic setting has a unique sound. Toggle up or down to cycle through the list with the Cab switch. When you register your pedal with UAFX Control software, you get six free bonus cabs (indicated by green and amber LEDs).

Enigmatic bonus speaker cabinets

When you register your pedal using the UA Connect or UAFX Control apps, your free bonus speaker cabinets are added to the pedal. To select these speaker cabinets, push the Cab switch until the top, middle, or bottom Cab LED is lit green or amber.



Note: The speaker cabinet labels on the pedal apply only when that speaker switch's LED is red. The labels when the LED is green and amber are only visible in UAFX Control.

Switch Label	LED Color	Active Cab	Speaker/Cab/Mic	Notes
GB25	Red	1x12 Black GB25	1x12 cab with a 25-watt greenback speaker, miked with a ribbon 160.	Greenback warmth with clarity, and a nicely balanced high end. Good for thick cleans and punchy overdrive tones.
D65	Red	2x12 Boutique D65	Custom ported 2x12 cabinet with British 65-watt speakers, miked with a 57 dynamic mic and a ribbon 121 mic.	Tight bottom end and crisp high end clarity, favored by many blues and rock players.
EV12	Red	2x12 Brute	'90s 2x12 partial open-back "D" cabinet with EVM12L speakers, miked with a UA 67 condenser, custom made for an artist.	Round, warm lows, thicker and more midrange forward than the GB25, with soft top end. Never strident, even with heaps of gain.

GB25	Green	4x12 UK V30	4x12 cabinet with British V30 speakers, miked with a 414 condenser mic.	A standard for modern rock and metal, with a tight bottom end and high end punch. If you want a more scooped sound, this is it.
D65	Green	2x12 JBF120	Late '60s 2x12 cab with JBL D-120F speakers, miked with a dynamic 57 and a 414 condenser.	Bright, crisp, airy. Shines with loud and clean tube amps. Used by the biggest players in Country, Surf, and Psychedelic Rock, who relied on the incredible punch and articulation of these speakers.
EV12	Green	1x12 Black EV12	Classic '80s Electro-Voice EVM12L speaker with a massive magnet in a 1x12 cabinet, miked with a 414 condenser mic.	Focused single speaker, thick and tight bottom end with airy top end, a wonderful, versatile speaker.
GB25	Amber	4x12 Stripped GB	4x12 with greenback speakers in a raw wood cabinet stripped of Tolex and grill cloth, miked with a ribbon 160 and a 57 dynamic.	Power, bottom-end girth, and warmth, great for mellowing out the overdrive channel.
D65	Amber	1x12 JBG125	Custom made "D" cab with vintage JBL G-125, miked with a 421 dynamic.	Rare speaker with a silk dust cap. JBL clarity with a sweeter top end than the JBL D-120F. Delivers an articulate sound for cleans but with a warmer overall tone.
EV12	Amber	2x12 D-EV12	Rare oversized '70s "D" 2x12 closed-back, front-ported	Bigger and warmer than its 1x12 cousin. The front port

			cabinet with EVM12L speakers, miked with a 414 condenser, originally made for a '70s artist and heard on a famous live recording.	gives it a uniquely vocal midrange quality with a narrower frequency range. Great for mild overdrive, slide work, and sweet melody lines.
None	Off	External	No cabinet/mic/room emulation.	Use with a real guitar cabinet or external cabinet emulation.

Note: Product names used herein are trademarks of their respective owners, which are in no way affiliated with Universal Audio Inc. These name(s) are used solely to identify products studied in the creation of the sound models found in Enigmatic.

UAFX Control with Enigmatic

With UAFX Control, you can manage your presets, change the operation of Enigmatic's footswitches, and toggle 4-cable mode for your amplifier setup and performance preferences. In addition, you can edit several Enigmatic tone settings:

- Toggle the Normal and FET input and adjust FET Trim
- Toggle the Preamp Boost
- Select the Tone Stack EQ (Custom channel only)
- Select the Tone Stack Type
- Enable and adjust the HRM Overdrive EQ
- Adjust the Master Gain

In UAFX Control, tap the icons at the bottom of the screen to access the Presets, Edit, and Settings screens. You may need to scroll down on this screen to see all available settings.

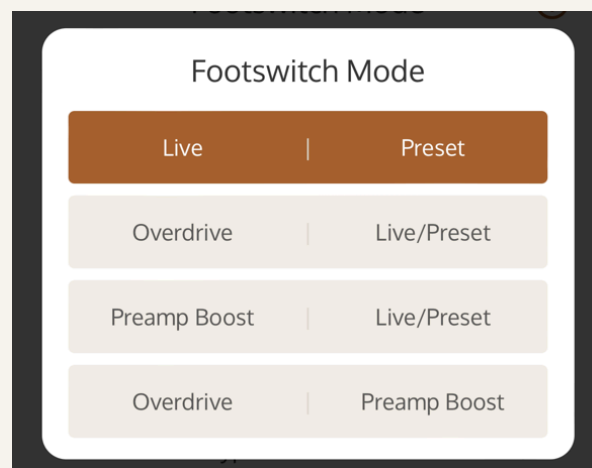
Enigmatic footswitch modes

The footswitch functions can be changed to suit your preferences. You can configure Enigmatic to switch between Live and Preset modes, or have Boost on the left footswitch and toggle between Live/Preset modes on the right footswitch.

Choosing a footswitch mode

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

Note: See Assigning the preset or live sound for information about how to set the pedal sound when you use a footswitch mode that cannot be bypassed.



Live | Preset

In Live | Preset mode, you can access Live mode (knobs and switches) and the stored preset.



- **Left Footswitch** toggles the Live sound on/off
- **Right Footswitch** toggles the stored preset on/off
- Pedal can be bypassed
- 4-cable mode is available

Overdrive | Live/Preset

In Overdrive | Live/Preset mode, you can switch the Overdrive channel on and off, and toggle between Live mode (knobs and switches) and the stored preset.

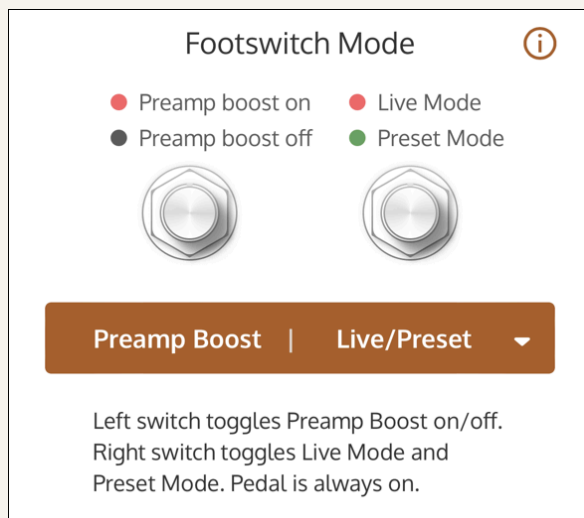


- **Left Footswitch** toggles Overdrive on/off
- **Right Footswitch** toggles between Live mode (red LED) and the stored preset (green LED)

- Pedal is always on and cannot be bypassed
- 4-cable mode is not available

Preamp Boost | Live/Preset

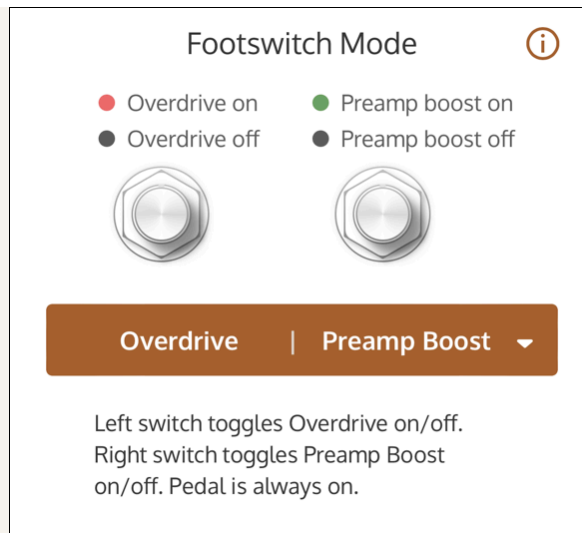
In Preamp Boost | Live/Preset mode, you can switch the Preamp Boost on and off, and toggle between Live mode (knobs and switches) and the stored preset.



- **Left Footswitch** toggles Preamp Boost on/off
- **Right Footswitch** toggles between Live mode (red LED) and the stored preset (green LED)
- Pedal is always on and cannot be bypassed
- 4-cable mode is not available

Overdrive | Preamp Boost

In Overdrive | Preamp Boost mode, you can toggle the Overdrive channel and the Preamp Boost on and off independently.



- **Left Footswitch** toggles Overdrive on/off
- **Right Footswitch** toggles Preamp Boost on/off
- Pedal is always on and cannot be bypassed
- 4-cable mode is not available

Enigmatic 4-cable mode

4-cable mode lets you add another switchable channel to any real guitar amplifier that has an effects loop. This special mode lets you switch between your guitar amplifier's built-in preamp section and the sounds in your pedal.

Warning: Turn off your amplifier before wiring the pedal and enabling 4-cable mode. If you enable 4-cable mode with incorrect wiring, you can cause extreme feedback.

To learn how to set up and operate 4-cable mode, [go here](#).

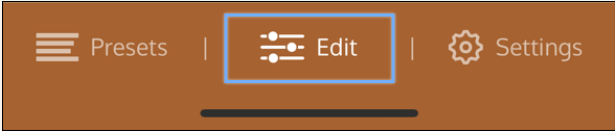
Adjusting Enigmatic Editor settings

Enigmatic includes an editor that allows you to make further adjustments to the sound for each amp channel.

In Live mode, most editor settings apply per-channel. Only the Preamp Boost setting is global.

Preset sounds can have different global settings, but Live mode global settings are restored when you switch back to Live mode.

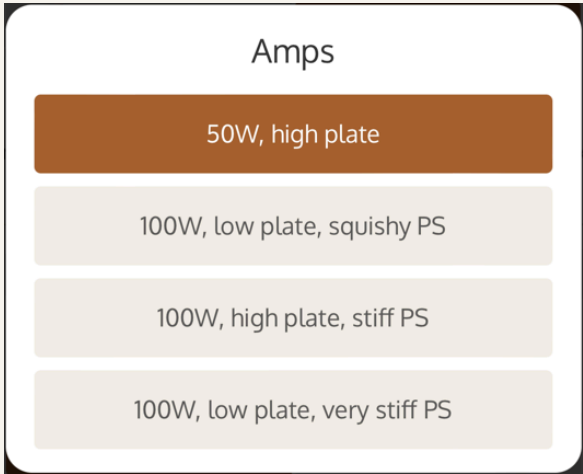
To open the Editor, tap Edit at the bottom of the UAFX Control screen.



Amps

The Amps section allows you to choose the basic topology of the amp, modeled from real circuits and hardware. An Amp includes the power section, tube, amp biasing, and transformers that contribute to the sound of the amp pedal. Each Amp has a unique sound and feel.

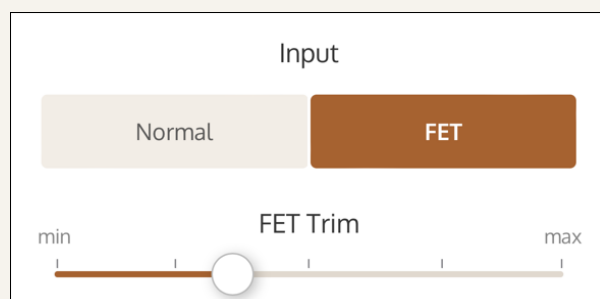
Tap the current selection under Amps to choose an amp from the list.



Amp	Description
50W, high plate	Compressed, more gain, with plenty of midrange warmth.

100W, low plate, squishy PS	More open and less compressed than 50w, tubes and power supply have plenty of sag and fullness. Has more midrange thickness than the other 100w power sections.
100W, high plate, stiff PS	Compared to the "squishy PS" this has more low end, and more push in the mids and highs.
100W, low plate, very stiff PS	Compared to the other options, more of a high fidelity power supply. Full range, responsive, snappy. and articulate.

Input



The original amp included two inputs. The normal input is fixed, with no gain adjustment. The FET input changes the characteristics of the input and allows you to adjust input gain. FET gain can range from sparkly clean to boosted and slightly distorted, as you increase the FET Trim.

Note: The FET input can be used to increase or decrease gain. At low levels, the FET input can be very quiet.

FET Trim

Adjust this slider for the level of input gain trim you want. This control is only active when the FET input is selected.

Overdrive, Bright, and Deep / Mid info strip

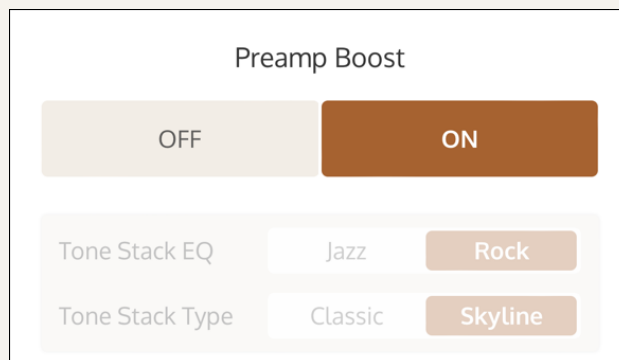
● Overdrive ● 150 pF ● Mid

Below the Input section, an info strip shows you the state of the Overdrive, Bright switch, and Mid/Deep controls. When an item is active, its green LED is lit. For the Bright and Mid/Deep switches, the values are listed.

- Toggle Overdrive on/off by turning the Overdrive knob up or all the way down, or by using one of the footswitch modes that toggle Overdrive (Overdrive | Live/Preset or Overdrive | Preamp Boost).
- Toggle the Bright switch with the Treble knob in ALT mode. The Bright switch has four positions: Bright Cap off, 150 pF, 196 pF, or 300 pF.
- Toggle Deep / Mid on and off with the Bass knob in ALT mode. Deep or Mid are enabled when the knob is set past noon.
- Deep is available with the Classic Tone Stack, and Mid is available with the Skyline Tone Stack.

Note: This strip is informational only.

Preamp Boost

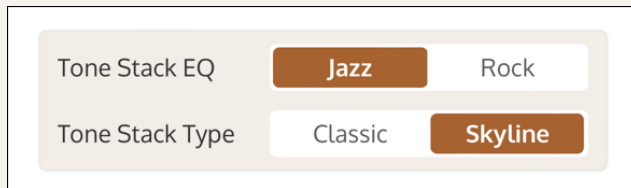


Preamp boost lifts the tone stack, increasing the overall gain from the preamp section. When Preamp Boost is engaged, you cannot adjust the EQ with the EQ knobs, but Deep or Mid can still be enabled.

Note: When Preamp Boost is enabled, the Tone Stack Type and Tone Stack EQ (Custom channel) controls are dimmed, but can still be selected. This allows you to adjust whether the Deep/Mid

options are available, and to specify the EQ settings for footswitch modes where the Preamp Boost can be toggled on and off (Preamp Boost | Live/Preset and Overdrive | Preamp Boost).

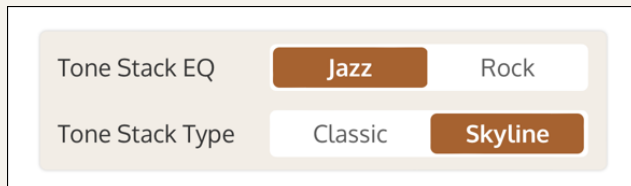
Tone Stack EQ



On the Custom channel and when editing a preset sound, you can select the Tone Stack EQ. Jazz is a mellower EQ setting with reduced high end and flatter response. Rock is more aggressive, louder, and edgier.

Note: In Live Mode, Jazz and Rock are automatically selected for their respective Tones.

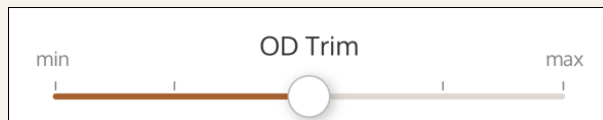
Tone Stack Type



The original amp was available with two tone stack types. Earlier amps had the "classic" EQ which is more like an American blackface-era amp, with a slightly hollower sound and less gain. Later amps had the "Skyline" or "Skyliner" EQ, which was more British-sounding, more aggressive, and higher gain, with a tighter bottom end and accentuated mids and highs.

The Tone Stack Type is interactive with the Deep/Mid switch: the Classic Tone Stack enables the Deep option and the Skyline Tone Stack enables the Mid option.

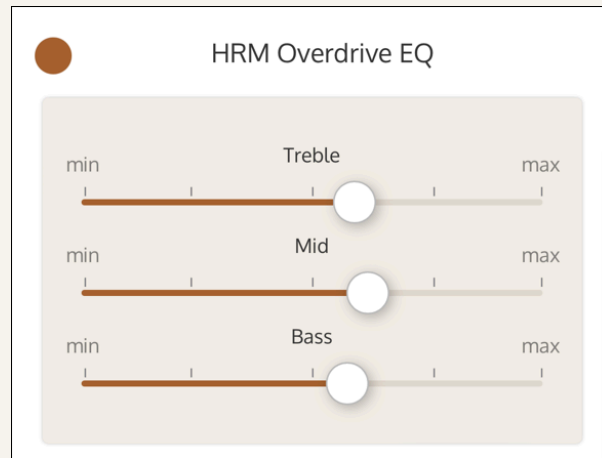
OD Trim



Adjusts the amount of available gain from the Overdrive channel. Use the OD Trim control for more or less available gain, and the Overdrive knob to set the final gain.

Note: The OD Trim can be used to increase or decrease the available Overdrive amount. At low levels, the overdrive amount (and overall level) can be very low.

HRM Overdrive EQ



The HRM (Hot Rubber Monkey) circuit is a separate passive post-gain tone stack for the Overdrive channel. On the original amp, HRM is adjusted with internal trimmers, and gives an extra set of EQ controls for the overdrive sound. Originally this would have been useful when the tone stack was removed (Preamp Boost engaged). However, HRM provides a unique and distinctive sounding EQ that is useful in many scenarios. HRM tends to be more of a scooped EQ with plenty of low and high end, and you can use HRM to push the overdrive channel into much heavier territory, or into soaring, liquid gain.

Toggle HRM Overdrive EQ with the round button to the left of the label, and adjust the EQ bands with the sliders.

Note: You only hear HRM Overdrive EQ when Overdrive is engaged.

Master Gain

Adjusts the tube power amp output of the pedal. Increase this to add power tube distortion. This control also increases the pedal's output level.

Revert to Default (Live sound only)

Tap to revert to the default Edit screen settings for the Live Sound (knob and switch settings are unchanged).

Restore Preset (Preset sound only)

Tap to revert any changes you have made to the current preset.

Enigmatic Specifications

Note: All specifications are subject to change without notice.

Power requirements (power supply sold separately)	Isolated 9VDC, center-negative, 400mA minimum
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Inputs	2 x ¼" unbalanced TS (input 2 for stereo connections)
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Outputs	2 x ¼" unbalanced TS (output 2 for stereo connections)
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Input impedance	500 Kilohms (Mono In) 1 Megohms (Stereo In)
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Output impedance	500 Ohms
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Maximum input level	12.2 dBu
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Maximum output level	12.1 dBu
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Frequency response	20 Hz to 20 kHz, ±3 dB
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USB Type-C	For registration and firmware updates via computer
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Wireless technology	Bluetooth v5
Transmitted Frequency Range	2.402 – 2.480 GHz
Maximum Output Power	+4.35 dBm
<hr/>	
Dimensions	Height: 2.56 inches, 6.5 cm
(with knobs and protrusions)	Width: 3.62 inches, 9.2 cm
	Depth: 5.55 inches, 14.1 cm
<hr/>	
Weight (unboxed)	1.34 lbs
	0.605 kg

Enigmatic 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.



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 instructions in the instruction manual.)

ISED Canada Manual Statement

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.

This device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

Changes or modifications made to this equipment not expressly approved by Universal Audio and may void the FCC and IC authorization to operate this equipment.

• IEC: 62368-1

• FCC ID: 2AXKQ2077

• IC: 26610-2077

