MLC
S_ZERO 100

Zero-Compromise Powerhouse

Lay down your guitar tracks with one of the most exclusive and high-quality guitar amps in current production. The MLC S_Zero 100 is a hand-built boutique amp known for its rich, detailed tone and broad tonal palette.

With the plugin version, you get a sonic powerhouse that stands out from the crowd both in terms of accuracy and the vast tonal ground it covers.

The MLC S_Zero 100 plugin is also the first product to feature Bogren Digital's unique IRDX technology, adding unprecedented dynamic and harmonic detail to the speaker cab emulations.

IRDX TECHNOLOGY

When it comes to achieving lifelike guitar speaker emulation, the new IRDX technology is a quantum leap forward.

The technology breathes life into the guitar sound by adding dynamic and true-to-life behavior to static speaker impulses. Impulse Responses are excellent at capturing the tonality and resonance of a guitar cabinet, but real-life guitar speakers react dynamically to the input from the amplifier. They move air, compress, and break up depending on how hard they are being pushed by the amp.

This is the gap IRDX is designed to bridge - it uses advanced machine learning methods to reconstruct the difference between a real cab and an impulse response.

IRDX
TECHNOLOGY

BOGREN DIGITAL

MLC S_ZERO 100

SYSTEM REQUIREMENTS
- Available as VST3 / AU / AAX / Standalone.
- Windows 10 or newer.
- Mac OS 10.13 or newer (Intel & Apple Silicon Native).

TRIAL
All our plugins have a 14-day free trial. You can still use the plugin for 60 seconds before it shuts down.

LICENSE
Your licenses can be found:
- On the purchase confirmation page.
- In the purchase confirmation email.
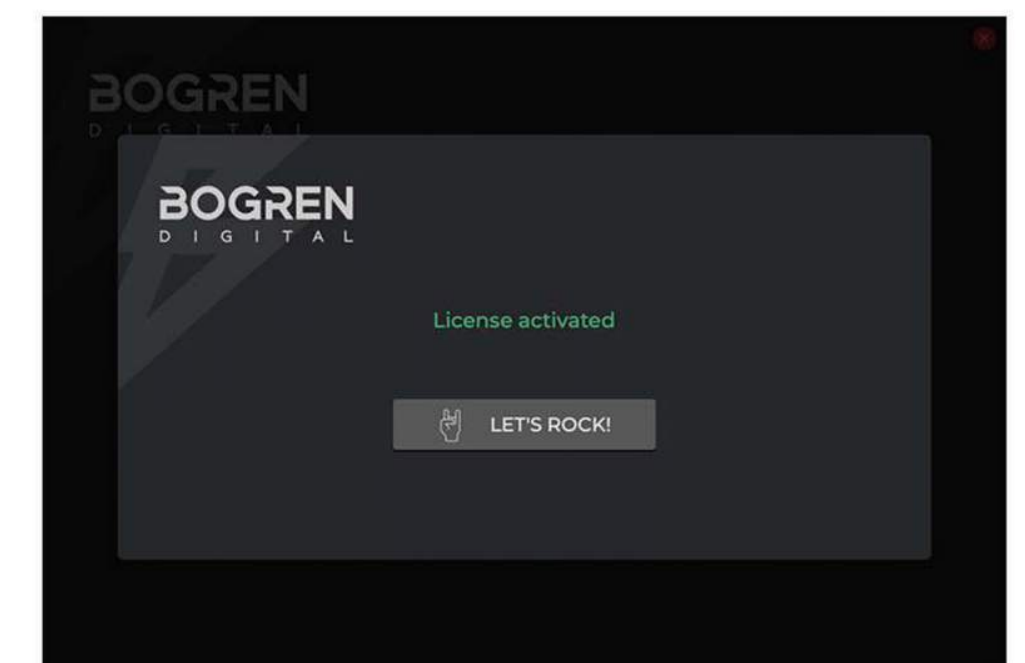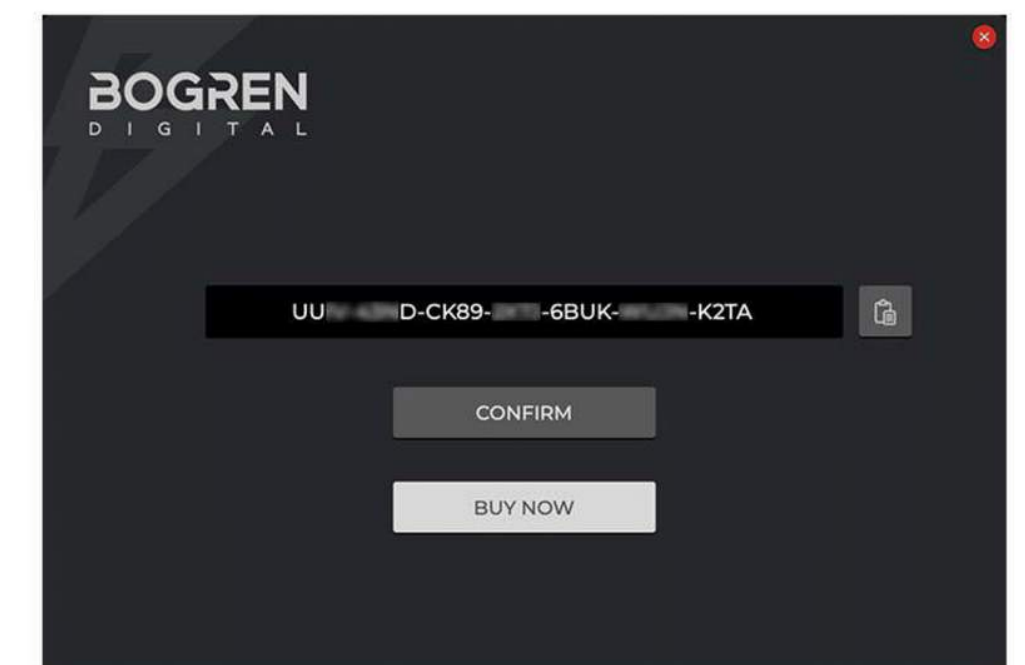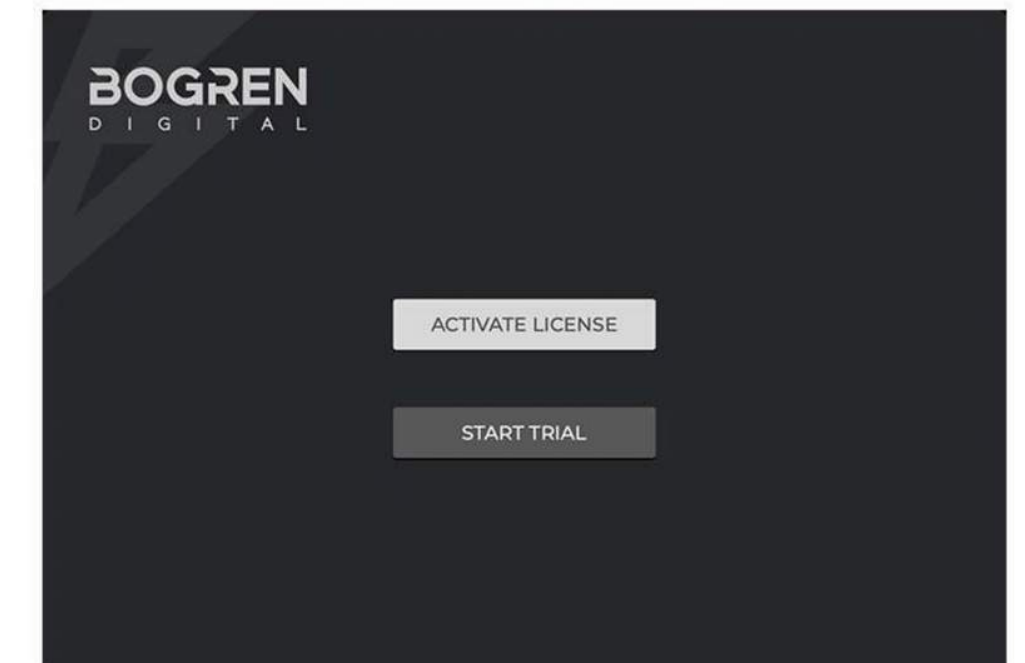- After logging into your Bogren Digital account.

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ACTIVATE YOUR LICENSE

1. Click the menu icon in the top right corner of the plugin and go to **License info.**

2. Click on '**ACTIVATE LICENSE**'

3. Paste your code and click '**CONFIRM**'

4. You are now **READY TO ROCK!**

FILE LOCATIONS

Bogren Digital Plug-ins are installed in the default locations for each plug-in format (VST3, AAX, AU, Standalone), unless a different, custom location is selected during installation.

MacOS
AudioUnits: Macintosh HD / Library / Audio / Plug-ins / Components /
VST3: Macintosh HD / Library / Audio / Plug-ins / VST3 /
AAX: Macintosh HD / Library / Application Support / Avid / Audio / Plug-ins /
Standalone App: Macintosh HD / Applications /

Windows
64-bit VST3: C:\ Program Files \ Common Files \ VST3 \
64-bit AAX: C:\ Program Files \ Common Files \ Avid \ Audio \ Plug-Ins \
64-bit Standalone: C:\ Program Files \ Bogren Digital \

SETTINGS MENU

The menu with settings and preferences is located in the top-right corner of the plugin.

INPUT/OUTPUT (Available only in standalone version).

FEEDBACK PROTECTION

When you launch the plugin for the first time, the input is muted to avoid unwanted feedback.
Once you set up your input and output, it is safe to turn off the mute option.
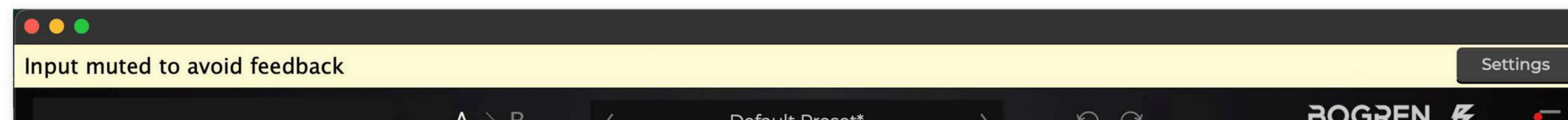
INPUT: Select the input device.
OUTPUT: Select the output device.

INPUT CHANNELS

Select which channel on the audio interface should be listening for guitar input. In most cases, you will want to select only one channel.
Press CMD (Mac) or CTRL (Windows) + click to select two input channels, if needed.

SETTINGS MENU

OUTPUT CHANNELS
Select your output channels. This will typically be your main speakers.

SAMPLE RATE
Select the preferred sample rate. Higher values require more processing power.

TEST
Plays a sine tone to test your speakers.

PREFERENCES
AUDIO
Input mode: choose between mono or stereo modes. This option is available when two inputs are selected.
Stereo should only be used when left and right inputs are different.

SETTINGS
Show tooltips: Show or hide tooltips which display at the bottom of the plugin window.
Show values: Show or hide the pop ups displaying the value of the parameters you are adjusting.

PLUGIN CONTROLS

A>B
Save your settings into to slots A or B to easily compare them.
Use the > or < button in the middle to copy settings from from A to B, or B to A.

PRESETS MENU
Load and save plugin presets.

UNDO & REDO ARROWS
Undo the last action in case you liked the previous setting better.
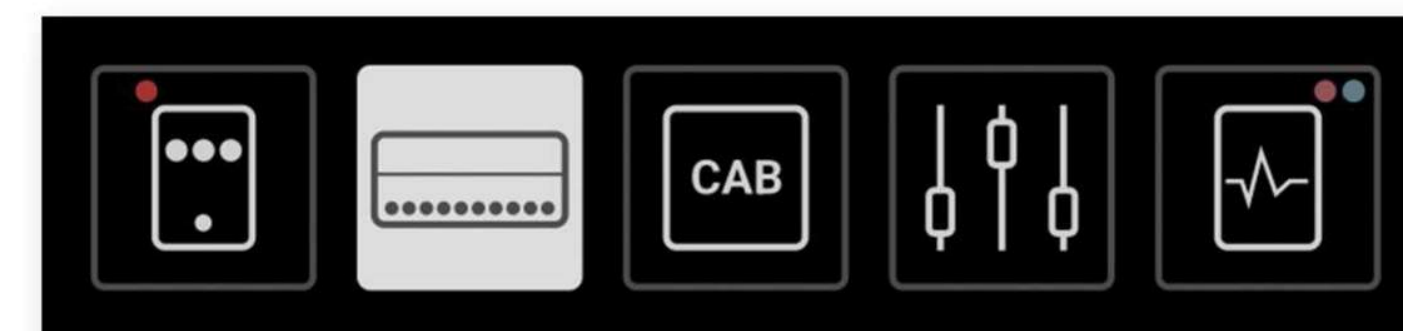Redo the last action in case the undo made it worse after all.

MAIN MENU
Contains settings for licensing, I/O (standalone), and other options.

AMP SECTIONS
Use this menu to navigate between different sections of the amp. Double-click or ALT (Windows) / option (Mac) click to disable each section.
The overdrive and FX sections show indicators when pedals are engaged.

INPUT
Sets plugin input gain (-24dB to +12dB).

OUTPUT
Sets plugin output gain (-12dB to +6dB).

LEFT / RIGHT PAN KNOB
Controls the pan of the signal up to the post effects section.
Delay and Reverb will remain unaffected. Available only in stereo output mode.

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PLUGIN CONTROLS

TUNER 🎸
Opens the tuner window

RIFF RECORDER ●REC
Press to start or stop recording your riffs.
Keyboard shortcut « r »

METRONOME 🎵
The standalone version of MLC Subzero comes with a built-in metronome so you can stay sharp with your guitar playing skills.
Use Right-click to start or stop the metronome without opening its UI.

RIFF FOLDER 📁
Open your 'riff ideas' folder. The recording location can be set in the global preferences menu.

QUALITY SWITCH
Set to 'Normal' for most uses or 'Ultra' for a zero-compromise sound. This increases the oversampling and accuracy of modeling.

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PLUGIN CONTROLS

METRONOME

1. BPM COUNTER
Set the metronome speed. You can change the speed by double clicking, or dragging the number up or down.

2. PLAY/STOP
Starts and stops the metronome.
You also can start and stop the metronome directly from the main window by right-clicking the metronome icon.

3. TAP TEMPO
Tap here or press the « t » key to set the desired tempo.

4. TEMPO SLIDER AND BUTTONS
Move the slider left/right or press the «-» or «+» buttons to adjust the tempo.
Press «-» or «+» keyboard keys to make adjustments by 10 bpm or CTRL (Windows) or CMD (Mac) together with the «-» or «+» keys to make 1 bpm adjustments.

5. BEATS
Set the number of beats (dots) per bar.
The most common setting is 4.

6. BEATS AND ACCENTS
Every beat is represented by a circle. Click any circle to turn it into an accent.

7. NOTE VALUE
Choose the desired value for the note played: quarter, eighth, sixteenth, or triplets.

8. SPEED TRAINER
Automatically increasing the tempo of the metronome over time increases practice difficulty without taking your hands off of the guitar.

9. METRONOME SOUND
Choose one of the 3 different metronome sounds.

10. VOLUME
Open the volume slider to adjust the volume of the metronome.

PLUGIN CONTROLS
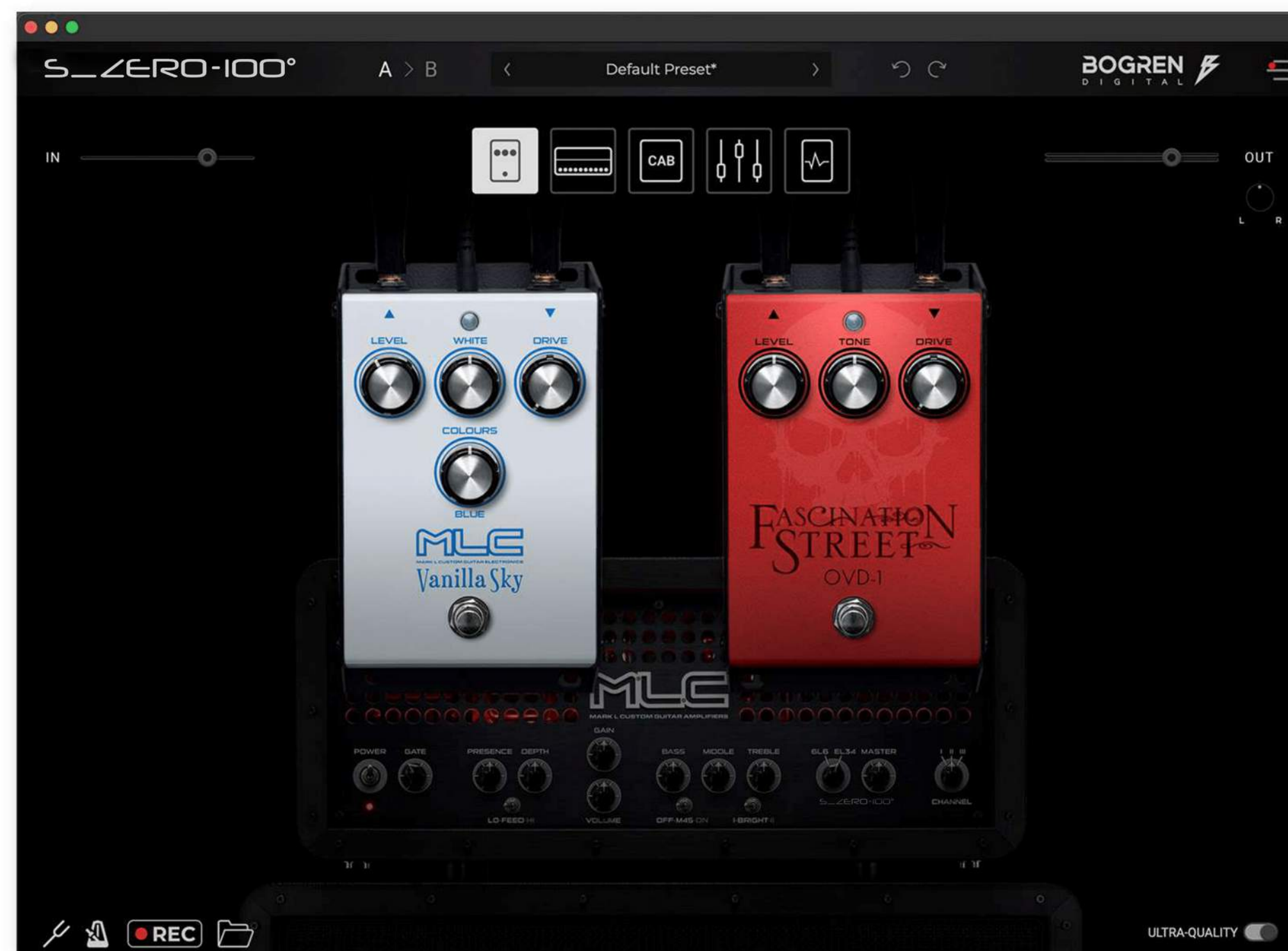
STOMP SECTION

VANILLA SKY PEDAL

Footswitch: Engage / disengage the Vanilla Sky pedal.

Level knob: Sets volume level. You can use this to drive the amp harder.

White knob: Treble EQ control.

Drive knob: Sets amount of drive (distortion).

Blue knob: Bass EQ control.

FASCINATION STREET OVD-1 PEDAL

Footswitch: Engage / disengage the OVD-1 pedal.

Level knob: Sets volume level. You can use this to drive the amp harder.

Tone knob: Adjust the tone character.

Drive knob: Sets amount of drive (distortion)

PLUGIN CONTROLS

GAIN KNOB: Gain (amount of distortion).

VOLUME KNOB: Channel volume, use to balance volumes between channels.

BASS KNOB: Bass EQ.

MIDDLE KNOB: Middle EQ.

TREBLE KNOB: Treble EQ.

LOW EQ FOCUS SWITCH: Changes the focus point of the bass knob.

BRIGHT SWITCH: Switches between different types of brightness circuits: type 1, off, type 2.

M45 SWITCH: The M45 switch reduces gain to emulate a British style circuit.

POWER AMP TUBE MODEL: Power amp tube model, choose between 6L6 or EL34 tubes.

CHANNEL SELECTOR KNOB: choose between the 3 different channels.

AMPLIFIER SECTION

POWER SWITCH: Power on / off

GATE KNOB: Sets gate threshold (sensitivity).

PRESENCE KNOB: Power amp presence.

DEPTH KNOB: Power amp depth.

FEED SWITCH: Circuit feedback for the poweramp section:

low or high.

PLUGIN CONTROLS

Microphone position grid: Drag left/right to adjust placement, or up/down to adjust distance. Hold SHIFT or use the mouse wheel to control the angle.

Microphone angle: Angle the microphone from 0 to 45 degrees.

Speaker mix slider: Double-click or ALT/OPTION-click to reset to default 50/50 mix.

Impulse response dynamix (IRDX) amount: Adds natural speaker movement, compression, and distortion.

IRDX on/off switch: Enables / disables Impulse Response Dynamix.

CABINET SECTION

On/Off button: Enables / disables the speaker.

Polarity flip button: Polarity flip. This can help if your IR is out of phase with the other speaker.

Microphone selection box: Select microphone, cabinet or load a custom impulse response.

PLUGIN CONTROLS

EQ SECTION

IN ʙᴜᴛᴛᴏɴ: EQ Power on or off.

10 band EQ with +12/-12 range.

PLUGIN CONTROLS

POST EFFECTS SECTION

MAX DELAY

ON / OFF: Engage / disengage the delay pedal.

TAP TEMPO: Tap the desired delay tempo to sync up with music by ear.

MIX KNOB: Determines how much of the wet signal will be blended with the dry one.

TIME KNOB: Delay Time. Set the interval between repeats. The values can be in milliseconds or notes, depending on the sync switch position.

FEEDBACK KNOB: Delay feedback. Determines how many repeats you will hear.

SYNC SWITCH: Delay Sync. Choose between milliseconds or note values to control the repeat interval length.

PING PONG SWITCH: This will make the signal bounce between left and right speaker. Enabled only if stereo output is available.

WETVERB

ON / OFF: Engage / disengage the reverb pedal.

MIX KNOB: Determines how much of the wet signal will be blended with the dry one.

SIZE KNOB: Sets the length and size of the reverb.

LOW CUT KNOB: Frequencies below this value will not go through reverb. Increasing the value can help with clarity.

PRE DELAY KNOB: Sets the amount of milliseconds to wait before reverb plays. Increasing can help with clarity.

UNINSTALLING

To uninstall, delete the files manually from your respective plugin format folders. For Windows, you can uninstall the files by running the regular uninstaller at the Control Panel or by running the setup installer file again and clicking on "Remove".

SUPPORT

bogrendigital.com/support
support@bogrendigital.com

We're happy to help you get the most out of our plugins.
If you encounter any problems, please reach out to us and include the following information:

• A detailed description of the issue.
• Operating system version.
• DAW version.
• Screenshots, if applicable.