



# RO-GOLD

## VINTAGE PLATE REVERB



# RO-GOLD VINTAGE PLATE REVERB

# GENERAL OVERVIEW

## LUXURIOUS VINTAGE REVERB

### RO-GOLD | VINTAGE PLATE REVERB

The reverb effect is a quintessential element of modern-day music and sound design production, adding instant depth and atmosphere to any mix. Engineers now have the ability to mimic any space by using this effect, tricking the ear and simulating everything from grandiose width to cozy intimacy. Still, recording with the desired type and amount of reverberation hasn't always been as simple as it is today.

Out of the sheer need for excellent reverberation and the costly nature of high-quality recording locations, engineers have experimented with foil and metal plates to reproduce expensive reverb rooms since the 50s. However, installing and controlling a real metal plate reverb has never been easily attainable, nor has it been readily available to every producer or small studio - especially when it comes to pure gold plates.

Additionally, it is not a cost- or time-effective option in the slightest - as it often happens, this type of hardware remained exclusive to a select few elite studios for a long time. Nevertheless, plate reverberation is audible in many 50s and 60s hit songs, where engineers extensively used this technique.

Achieving the perfect amount and type of reverb for your tracks can make or break your mix. It is part of the foundation of cinematic audio, and music wouldn't be the same without it. It allows you to add depth, emotion, body and grandiosity to your mix, without having to add any additional elements.

A plate reverb's original purpose was to emulate reverberant rooms, but they have become somewhat of a legend themselves. The difference between a classic vintage piece of hardware such as the EMT 140 and most modern, purely impulse response based plug-ins is very apparent to any good ear.

This is why we have created this physically modeled, solid gold-plate reverb - the RO-GOLD. The most luxurious and exclusive vintage room effect meets modern-day features for the highest-quality sound and maximum usability.

Not only does the RO-GOLD bring you the sound of a sought-after hardware classic, but it also captures the true tone of a solid gold plate, which would cost millions to recreate in real life. This 24k gem allows you to set up your own retro room-sound, that is both warm and mellow. With only a few, easy-to-understand parameters, it has never been simpler to achieve an authentic vintage reverberation.

If you would like to explore other plate materials and sizes, check out the [RO-140](#), our best-selling vintage plate reverb with six plate materials and virtually infinite customization options!

## FURTHER INFO

### PLUGIN ACTIVATION & SYSTEM REQUIREMENTS

All Black Rooster Audio plug-ins are equipped with a straightforward and easy to use, serial-based activation system. We did our best to ensure that our system works well for both online and offline users. By supporting USB key activation, mobile use is supported just as easily as permanent licence activation on your computer's hard disk is.

For detailed information on activation and the current system requirements of our plug-ins, please refer to <https://blackroosteraudio.com/en/faq>

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## FEATURE OVERVIEW

### VINTAGE PLATE REVERB EMULATION

The RO-GOLD was faithfully modeled after its legendary hardware counterpart, while still remaining a Black Rooster Audio original plug-in at its core. Our signature gold-plate simulation approach allows for a smooth tone with an incredibly warm sustain. It doesn't get any more vintage than this!

This solid gold model is any plate-enthusiast's dream - you can now recreate the sound of a large plate reverb built out of one of the most luxurious materials in the world, right in your DAW, for free.

### INSPIRED BY THE CLASSICS

This plug-in was inspired by the most iconic plate reverbs, giving you a tasteful blend of each classic piece of hardware in one small, yet powerful plug-in.

### PHYSICALLY ACCURATE PLATE MATERIAL

The RO-GOLD introduces a meticulously modeled solid gold plate that has a sound of its own. Its beautifully warm spectrum turns any signal into 24k magic.

### CLASSIC DAMPENING CONTROL

Get complete control over the reverb decay time with the physically modeled version of a classic dampening control, and choose between 10 damper positions.

### CLASSIC PRE-DELAY CONTROL

The classic pre-delay control determines the amount of delay between the dry and wet signals. It was purposefully placed after the plate reverb emulation to enable users to modulate the reverb tail with the DAW automation.

### DRY/WET MIXING STAGE

Following the classic approach of send effects that run in parallel with the mix channel, we have introduced a wet/dry control to keep the effects in-chain within the plug-in, without having to set up additional send/return loops.

### SSE2 OPTIMIZED CODE

DSP operations are pipelined using the SSE2 instruction set. This ensures a high-performance operation despite its very complex computations.

### HIGH DPI/RETINA SUPPORT

The user interfaces support high pixel density on both Windows and Mac OS systems, giving you the most enjoyable user experience on high DPI displays. Please refer to your DAW manual to learn whether it is HighDPI compatible if you're working on Windows.

# RO-GOLD VINTAGE PLATE REVERB PLUG-IN CONTROLS



## » BASS CUT

This control applies a high pass filter which cuts the bass at any desired frequency between 10Hz and 1000Hz.



## » DAMPER

Control the reverb's decay time by choosing between 10 damper steps (1 to 10).



## » PRE/DELAY

This control allows you to change the amount of delay between the wet and dry signals. The range is split from 0 to 1ms for the first third, and from 1 to 500ms thereafter.



## » DRY/WET

Use this control to determine the amount of reverb in your signal. The higher the percentage, the more reverb your output signal will carry and the less dry it will be, and vice versa.



## » VU METER

This beautiful VU meter will provide you with visual feedback on your reverb settings and signals.

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# PREFS & INSTRUCTIONS

## ADDITIONAL PLUG-IN PREFERENCES

(GEAR ICON MENU AT THE BOTTOM)

### GUI SIZE

In the GUI size menu, you can select your preferred GUI ranging from a list of four settings, if you're looking to change the default sizing. Please note that the GUI size setting is a global preference that affects all Black Rooster Audio plug-ins installed on your system.

### KNOB BEHAVIOUR & KEYBOARD SHORTCUTS

Use the plug-in settings menu to select your preferred knob mode globally. Please note that all of our plug-ins share the same settings across all DAW applications. Choose between "Host Setting", "Circular", "Relative Circular" and "Linear".

- By default, the knob mode is set to "Host Setting", which means that the knob mode is dictated by the DAW application. Some VST hosts allow you to change the knob mode setting in their preference menu. Our plug-ins will respect the host knob mode in that setting.
- In "Circular" or "Relative Circular" mode, all knobs will react to circular mouse gestures and you have to drag your mouse in a clockwise or counter-clockwise direction to change its value.
- In the "Linear" mode you have to drag your mouse up or down when selecting a knob to change its value. Use the knob sensitivity menu and adjust it to your liking. Please note that this function is only available in linear mode.

### ALL OF OUR PLUGINS SUPPORT THE FOLLOWING KEYBOARD SHORTCUTS

#### *AU Hosts on Mac OS*

Alt + Click - Reset control to its default value Shift + Drag - Fine control

Shift + Mousewheel - Fine control

#### *VST Hosts on Mac OS*

CMD + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode) Shift + Mousewheel - Fine control

#### *VST Hosts on Windows*

Ctrl + Click - Reset control to its default value

Shift + Drag - Fine control (only applicable in linear knob mode) Shift + Mousewheel - Fine control