

NEOLD



RZ062

Manual



TONE TAILOR

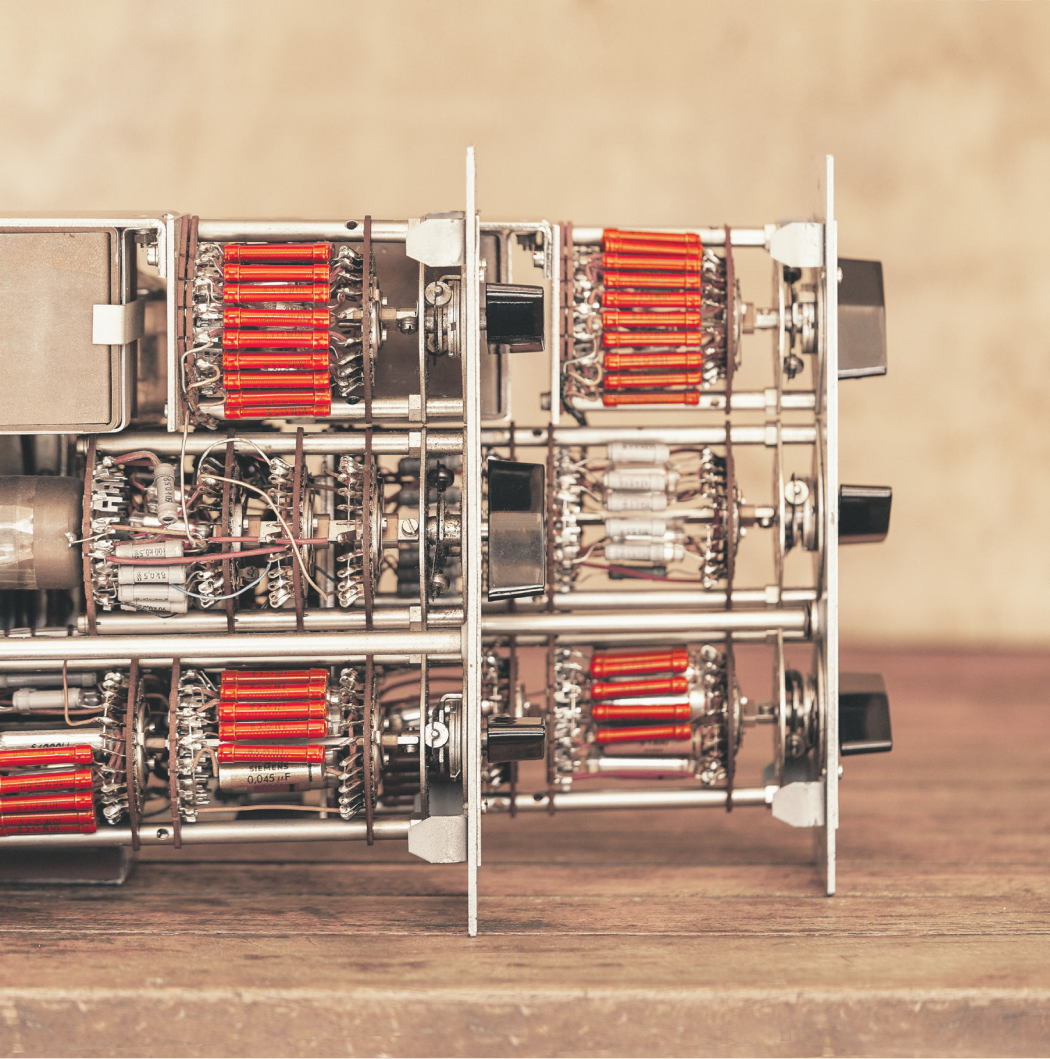
The RZ062 is built around the iconic tube equalizer from the 1960s, renowned for some of the sweetest shelves ever designed. It offers curated combinations of the dedicated Pivot (A) and Presence (B) modules within a streamlined stereo and mid/side matrix, unlocking new dimensions of vintage tone shaping.

SUPER CHARGED

Expressive controls put the EF804S and ECC81 tube amps at your command. Focus shifts the character between the lively edge of odd-order and the smooth depth of even-order harmonics, offering nuanced tonal shaping. Drive pushes the tubes with up to 48 dB of compensated gain, while Mix lets you dial in just the right amount of dry signal for refined tonal layering.

TIMELESS CLASS

The RZ062 overcomes the original unit's coarse 2 dB step limitations. While classic mode remains for bold, deliberate moves, the controls can also be switched to continuous sweeps for precise adjustments. EQ and Drive can be used together or split for flexible workflows. From subtle vocal sweetening to full mix lifts—classic tone meets modern finesse.



ROOTS

Designed in late 1950s Germany for installation in mixing consoles, the Siemens Klangfilm *Universalentzerrer* (universal equalizer) allowed modification of frequency response in sound recording and reproduction. At the time, it was used to eliminate undesired studio acoustics and disturbances such as impact noise or wind flutter, or to create specific acoustic impressions, tonal colors, or special effects.

LEGEND

In the following decades, the RZ062 became a trusted tool in European recording studios, valued for its gentle tonal shaping and sound correction. Originally intended for broadcast, it gained a reputation as one of the finest-sounding tube equalizers ever made, especially prized on vocals and orchestral mastering.

TREASURE

Today, original Klangfilm RZ062 units are extremely rare and consistently carry premium prices among collectors and studios. Due to their limited production and complex design, they command well into the thousands of dollars—should they appear for sale at all.

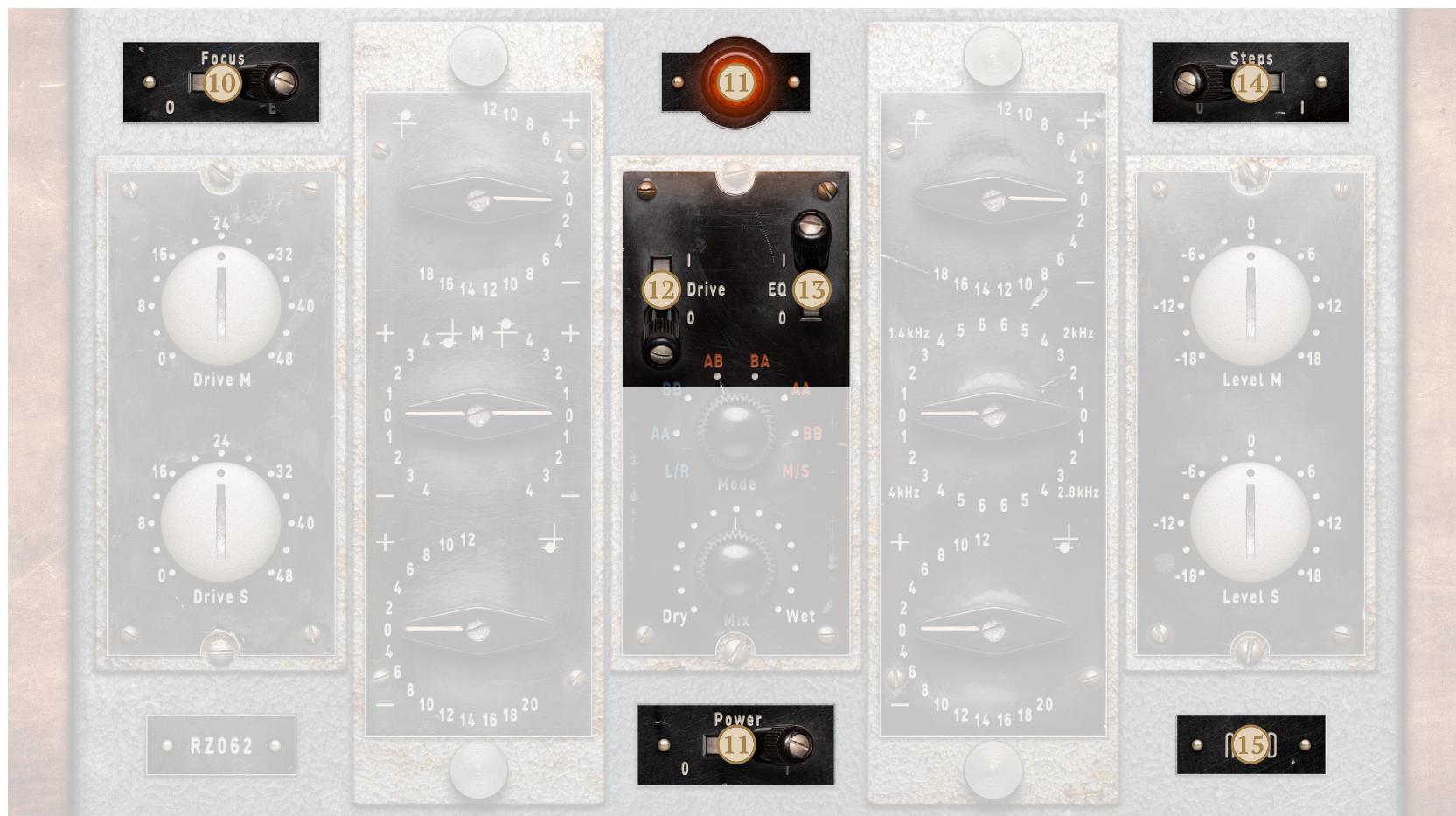


QUICK START



- ① Adjusts the amount of tube saturation for the left (stereo mode) or mid (m/s mode) channel.
- ② Defines the amount of saturation for the right (stereo mode) or side (m/s mode) channel.
- ③ Shapes the treble at 10 kHz by boosting up to 12 dB or cutting up to 18 dB.
- ④ Controls either a 650 Hz pivot filter (A module) or a variable presence filter (B module).
- ⑤ Boosts the bass at 40 Hz by up to 12 dB or cuts by up to 20 dB.
- ⑥ Toggles A/B module setups with stereo (blue) or mid/side (red) configurations.
- ⑦ Mixes the dry and processed (Drive and EQ) signals for onboard parallel tone blending.
- ⑧ Sets the output level for the left (stereo mode) or mid (m/s mode) channel.
- ⑨ Alters the output level for the right (stereo mode) or side (m/s mode) channel.

QUICK START



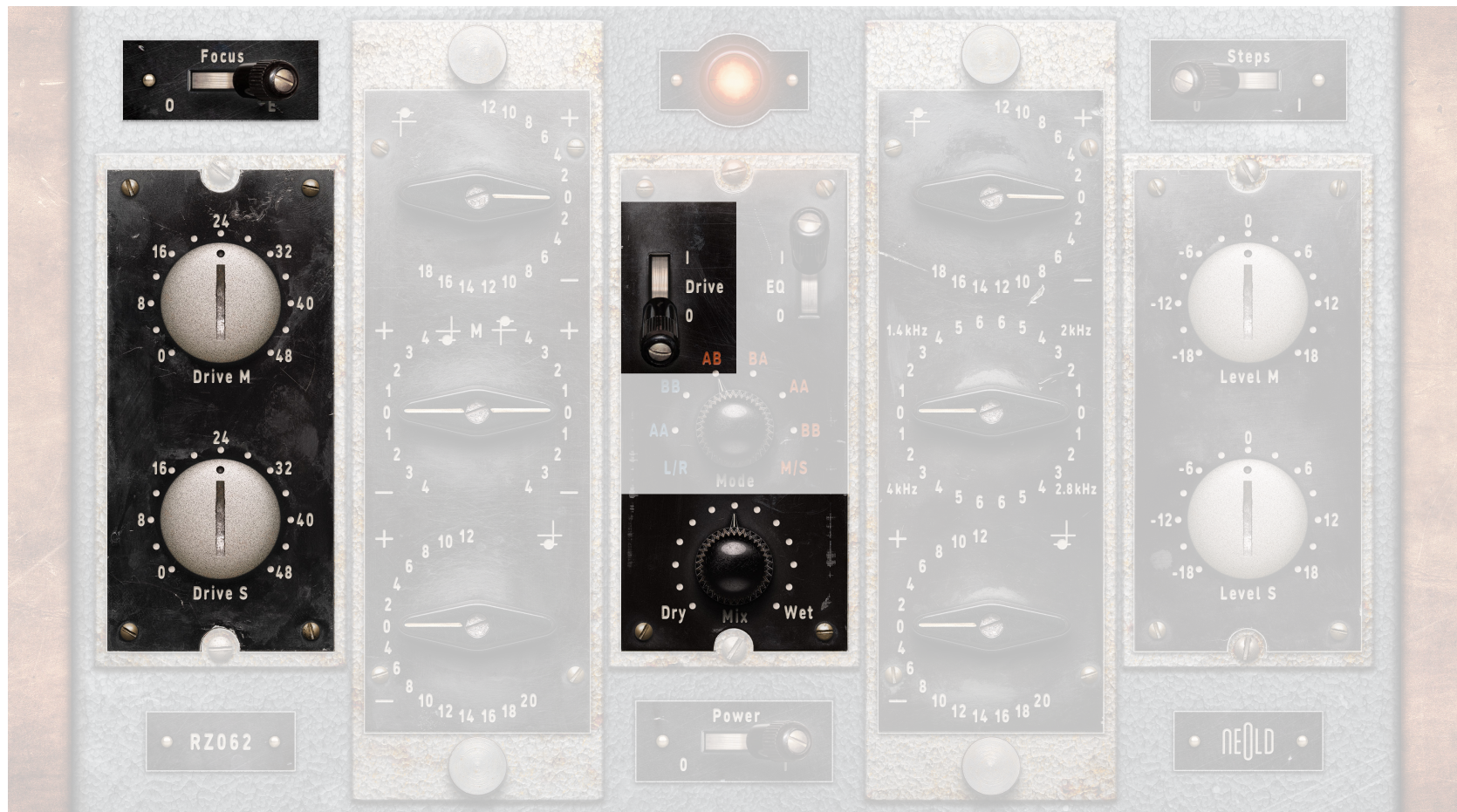
- ⑩ Shifts the harmonic focus between odd (edgy) and even (smooth) overtones.
- ⑪ Engages or bypasses the entire signal processing chain (click lamp or lever).
- ⑫ Activates or bypasses the Drive section for instant comparison with the clean signal.
- ⑬ Flips the EQ section on or off for instant comparison with the unfiltered signal.
- ⑭ Switches the EQ modules from stepped (original) to continuous controls.

- ⑮ Opens an on-screen quick start guide with parameter reference.

① Basic Workflow

- Create vibe with Drive and Focus.
- Choose equalizer setup with Mode.
- Shape tone with EQ modules.
- Finish off by adjusting Level and Mix.

PARAMETERS



Focus

Shifts the harmonic character in one of two directions: toward the lively edge of odd-order harmonics or the smooth depth of even-order harmonics, offering a nuanced way to shape your sound.

Drive

Applies 0 to 48 dB of compensated gain, shaping the saturation intensity of the driven EF804S/ECC81 tube circuit. The two knobs operate as linked pairs in mono (A/B) and stereo (AA/BB) modes and independently in mid/side (AB/BA) mode.

Drive (Lever)

Toggles the Drive section on or off, allowing instant comparison between the saturated and clean signals.

Mix

Continuously blends the dry and wet signals, combining the Drive and EQ sections with the original for instant onboard parallel processing. With the dedicated Drive and EQ switches, you can disable one section to blend only the other exclusively.

PARAMETERS



Mode

Selects combinations of the two distinct RZ062 EQ module types: the A-style with a fixed pivot filter and the B-style with a variable presence band. Both share identical treble and bass bands. Blue stereo modes provide linked AA and BB pairings, while red mid/side modes allow unlinked AB, BA, AA, and BB setups. In linked mode, upper or lower controls (Drive/Level) or left or right controls (EQ modules) adjust both channels simultaneously. On mono tracks, the switch offers three banks for A and B; switching back to stereo automatically maps them to the appropriate AA, BB, AB, or BA setting.

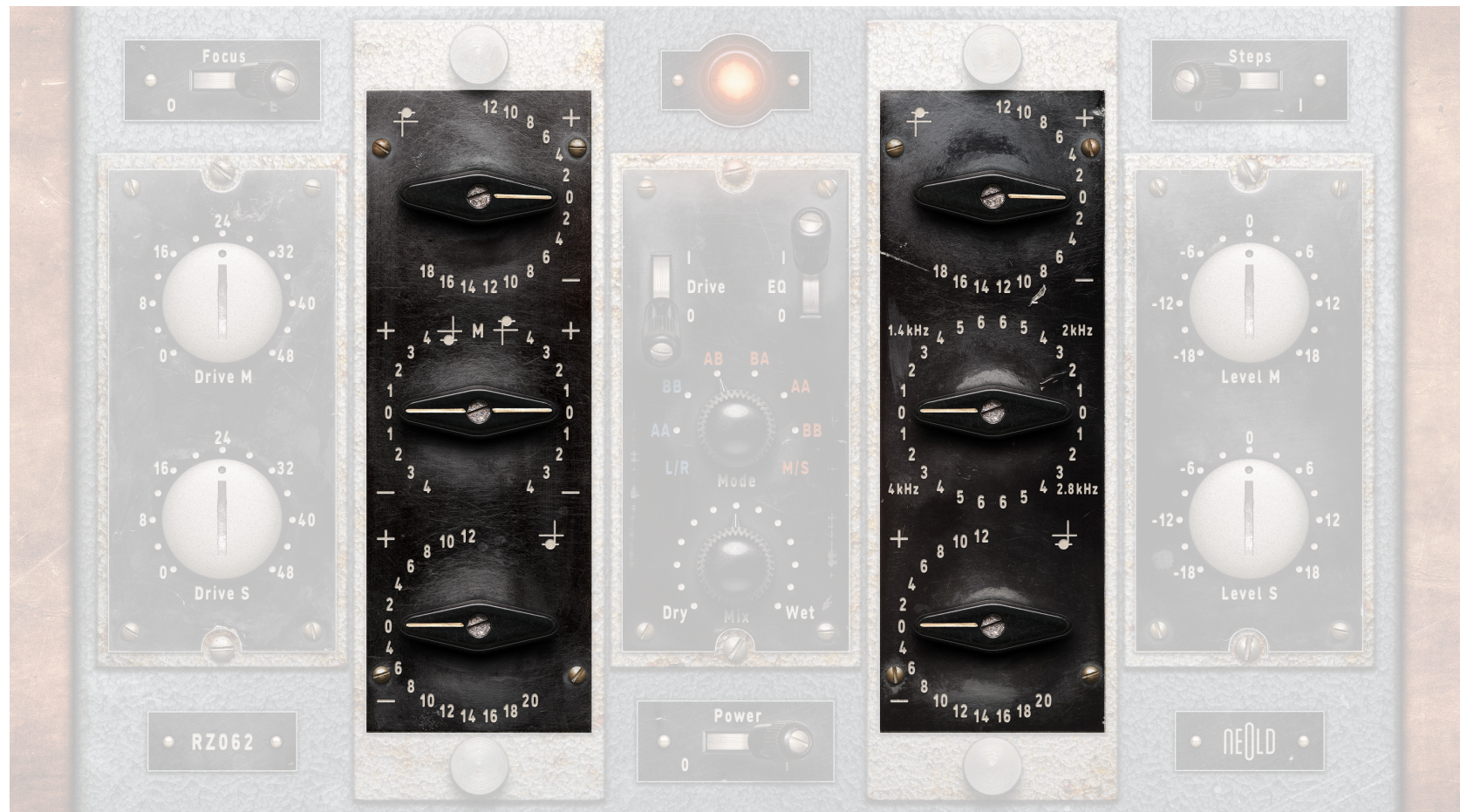
EQ

Activates or bypasses the EQ section for direct comparison with the unfiltered signal.

Steps

A defining trait of the historic RZ062 can also become a challenge in practice: the original 2 dB step sizes make bold decisions easy but limit precision for subtle adjustments. A dedicated lever solves this by switching the EQ controls from stepped to continuous—offering a choice between vintage-style decisiveness or precise, detail-oriented control.

PARAMETERS



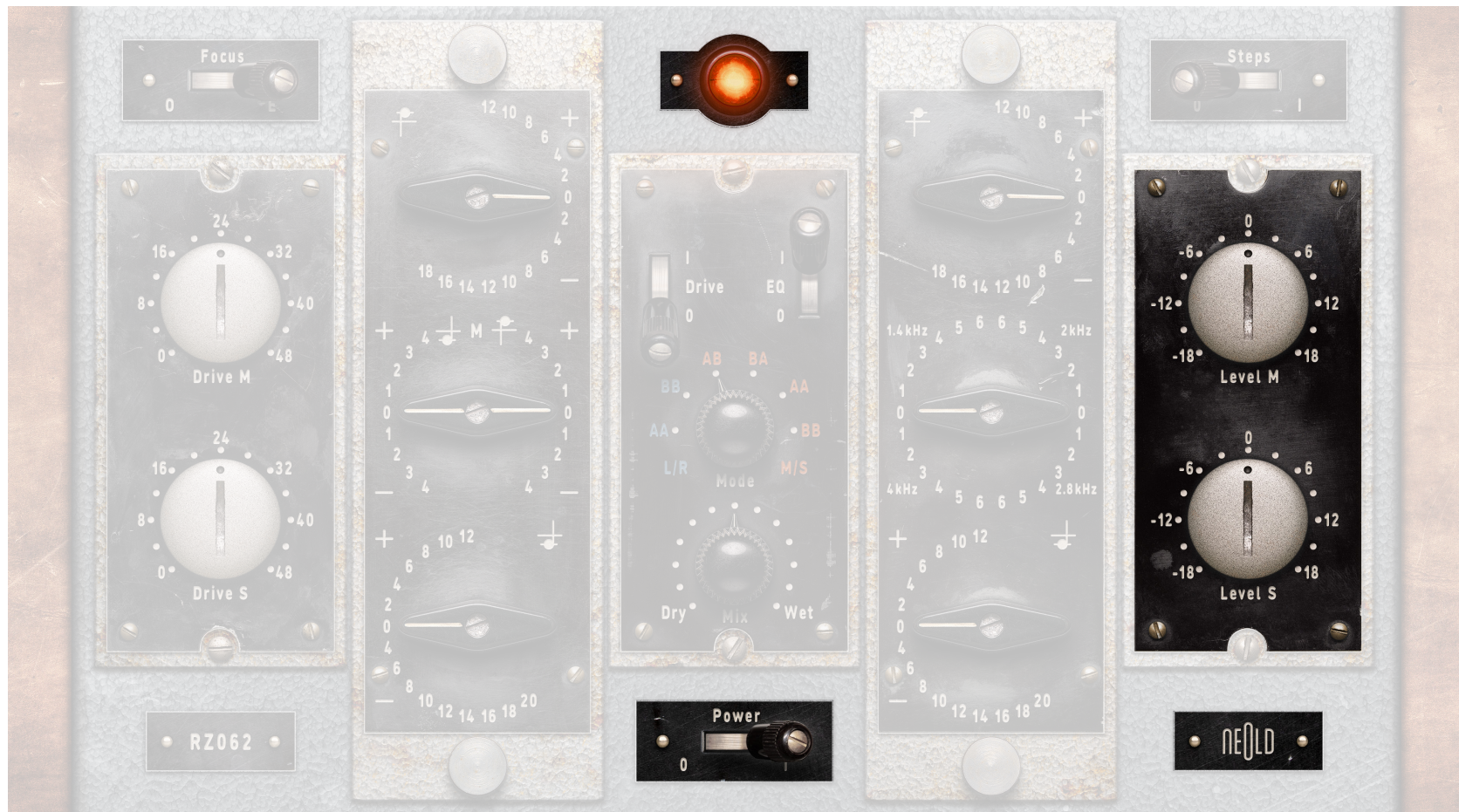
RZ062a

The A-style EQ module provides independent bass and treble controls, allowing bass boosts up to 12 dB or cuts up to 20 dB at 40 Hz, and treble boosts up to 12 dB or cuts up to 18 dB at 10 kHz. It also features a unique pivot filter rotating the overall frequency response around 650 Hz, permitting simultaneous treble boost with bass attenuation—or vice versa—within a ± 4 dB range. This distinctive feature was originally named the *Treble/Bass Double-System*.

RZ062b

Sharing the same bass and treble controls as the A-style module, the B-style module's standout feature is its Presence Filter, designed to enhance mid-range articulation and clarity. This filter boosts select frequencies—1.4, 2, 2.8, and 4 kHz—in precise 1 dB increments up to a maximum of 6 dB. Its clever stepped design prevents abrupt level jumps when switching between frequencies, ensuring smooth and natural midrange shaping that enhances clarity and definition.

PARAMETERS



Level

This control provides linear, clean gain applied to the output signal within a range of -18 to $+18$ dB, allowing precise manual level compensation. The two knobs operate as linked pairs in mono and stereo modes and independently in mid/side mode.

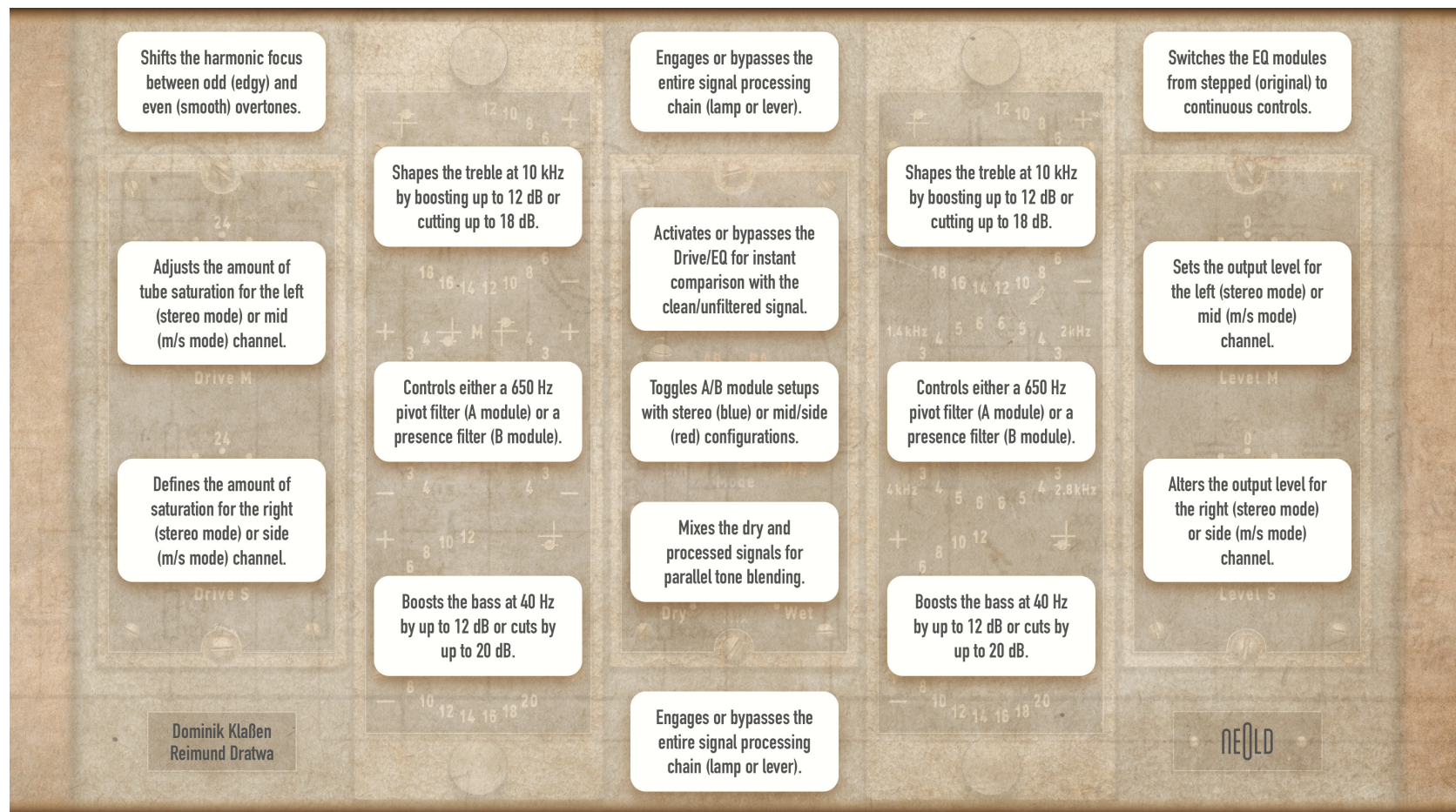
Power

This lever engages or bypasses the entire signal processing chain. Alternatively, clicking the pilot lamp toggles the same function.

QSG

Clicking the Neold logo opens an on-screen quick start guide (see next page) for all relevant parameters. Click anywhere on this screen again to close it.

CONTROLS



Quick Reference

Clicking the Neold logo brings up the above on-screen quick start guide. Click anywhere to close.

Default Value

Double-clicking a knob resets its value to default.

Click & Set

Double-clicking the scale next to a knob sets its value exactly to the clicked position.

Field Entry

Double-clicking a parameter name opens a callout that allows inserting exact values via keyboard.

Precision Mode

Pressing the Shift key increases the resolution of a knob so that its value can be set more precisely.

TOOLBARS



- ① This icon provides a master bypass function for the entire plugin.
- ② Undo/Redo offers up to 32 steps of your recent settings. Just go back and forth.
- ③ Four individual preset banks that can also be automated in your DAW.
- ④ Copy and paste current settings to/from clipboard, or reset current settings to default.
- ⑤ Opens the preferences menu (e.g. interface size, meter reference point, mouse sensitivity).
- ⑥ Clicking the Plugin Alliance logo will send you to the PA website via your web browser.
- ⑦ This icon will guide you to the Plugin Alliance Store via your web browser.
- ⑧ Brings up the activation dialog for authorizing plugin licenses for your devices.
- ⑨ Here you will find the manual (requires PDF reader installed) and other useful info.
- ⓘ **System Requirements & Supported Platforms**
Installation, Activation, Authorization, FAQs

