

DiBiQuadro



VirgoTwin

USER MANUAL

Thanks for purchasing DiBiQuadro VirgoTwin. This is the result of a meticulous engineering design and passion for perfection.

Please take your time to read carefully the content of this manual and the "DiBiQuadro - Amp Simulators Common Features" guide before using the plugin and the renderer.

The Final Clean & Crunch Reference

VirgoTwin is a software simulation that brings to life one of the most iconic American clean amplifiers of the mid-'60s, faithfully capturing its unmistakable shimmering clarity, immense headroom, and musical dynamics — while adding the flexibility and precision of modern digital engineering. Built around four independent circuits, VirgoTwin offers a wide tonal palette that ranges from pure, glassy cleans to harmonically rich vintage textures.

NORMAL Channel: Pure, Uncompressed American Clean

The NORMAL channel delivers the wide-open clean tone that made this style of amplifier a studio and stage staple. Expect:

- Huge headroom and minimal breakup
- Bold low end, airy highs, and a scooped midrange
- A touch-sensitive response that stays articulate even with complex chords

It is perfect for players who want maximum clarity and a rock-solid foundation for pedals.

NORMAL DELUXE Mode: Classic Clean-to-Crunch Character

Activating DELUXE mode transforms the voice of this channel, shifting toward the warmer, more mid-forward personality of another legendary small-to-medium American combo from the same era. This mode offers:

- Earlier, smoother breakup
- Richer mids and sweeter highs
- A more intimate, organic response
- Ideal edge-of-breakup tones with a distinctly vintage attitude.

VIBRATO Channel: Added Gain Stage, Reverb & Movement

The VIBRATO channel mirrors the classic clean voice but introduces an additional gain stage, offering slightly more grit, presence, and harmonic bloom when pushed.

This channel integrates two **Spring Reverb** types:

- Basic – Shorter, tighter, more restrained
- Standard – Fuller, longer, and more immersive

Both modes can be set to mono or stereo, enabling everything from subtle ambience to wide, enveloping soundscapes.

This channel also integrates a warm, pulsating Tremolo. There are four types of **Standard Tremolo**:

- Sinusoidal: Smooth, even volume modulation following a sine wave.
- Triangular: Linear rise and fall, creating a more pronounced, rhythmic pulse.
- Exponential: Faster volume drops and slower recoveries, resulting in a more percussive feel.
- Optical: Vintage-style tremolo with a soft, musical response inspired by optical circuits.

VIBRATO DELUXE Mode: Vintage Crunch and Harmonic Bloom

Here too, DELUXE mode reshapes the feel and response of the channel, drawing inspiration from one of the most beloved vintage American combos known for its dynamic crunch

and expressive midrange. You get:

- More pronounced breakup
- A spongier, more responsive feel
- Harmonic saturation ideal for blues, roots, and classic rock tones

Reverb and Tremolo are also available for this mode.

GUI Controls

NORMAL/VIBRATO (Buttons)

These 2 buttons are mutually exclusive and select the main channel of VirgoTwin. Normal has three gain stages, while Vibrato engages a fourth gain stage and the possibility to enable the Spring Reverb and the Standard Tremolo.

DELUXE (Buttons)

These two buttons are placed in the **Normal** and **Vibrato** channels respectively. Each one transforms its channel to **Deluxe** characteristics, decreasing the headroom and cabling the MID knob to a fixed value (editable in the PREAMP menu).

VOLUME

It sets the volume to the preamp stage. It can overdrive the circuit, creating classic tube saturation and distortion.

BASS, MID, TREBLE

These knobs shape the tone by adjusting the low, midrange, and high frequencies respectively.

BRIGHT (button)

It adds sparkling highs to the overall tone, enhancing clarity and presence.

REVERB (knob/button)

The Reverb button activates the Reverb effect. It adds the classic spring reverb effect (space and ambience). More options are available by pressing SET button including the type of Spring Reverb (Basic or Standard) and the routing mode (MonoToMono or MonoToStereo).

TREMOLO (button)

This button enables the Standard Tremolo in the Vibrato channel (both in regular and Deluxe mode).

SPEED (for Vibrato/Tremolo)

It controls the rate of the modulation effect. It is directly linked to the **Time** parameter in the **SET / TremoloStandard** menu, so changing one will affect the other, and vice versa.

INTENSITY

It controls the depth of the tremolo, determining how strong the volume modulation is, from subtle movement to deep, pulsating effects.

MASTER

A master control allows to fine adjust the overall volume of the preamp circuit before entering the PWR/CAB section. This knob can be bypassed in the PREAMP menu.

Preamp Circuits

Four independent circuits are available, each with its own sets of parameters.

Normal

Three gain stages, ultra-clean, it has the highest headroom among the four circuits available.

NormalDeluxe

Same number of gain stages as the Normal circuit, but with a spongier feel and earlier breakup. The MID knob is replaced with a fixed resistor.

Vibrato

This circuit adds a gain stage to the Normal circuit, reducing headroom and producing earlier crunch.

VibratoDeluxe

Same number of gain stages as the Vibrato circuit, but with a spongier feel and earlier breakup. The MID knob is replaced with a fixed resistor.

NonLinearSolver

Tab to modify the preamp triodes characteristic. Please refer to the "DiBiQuadro - Amp Simulators Common Features" manual for more details.

For some ideas on how to tweak please refer to the following link:

<https://dibiquadroaudio.com/circuits-tips-tricks/>

Pwr/Cabs

VirgoTwin comes with 6 selectable Pwr/Cabs:

VirgoTwin_000_85W_6L6
VirgoTwin_001_85W_6L6_F212_1_C12K_57_B73
VirgoTwin_002_85W_6L6_F212_1_C12K_201_B73
VirgoTwin_003_85W_6L6_F212_1_C12K_421_B73
VirgoTwin_004_85W_6L6_F212_2_C12K_57_B73
VirgoTwin_005_85W_6L6_F212_2_C12K_201_B73
VirgoTwin_006_85W_6L6_F212_2_C12K_421_B73

The power amp is 85 Watt with 4x6L6 tubes.

Pwr/Cabs include one open-back cabinet with 2 C12K speakers. A sequential number from 1 to 2 indicates which speaker has been sampled, from left to right.

A hi-end mic preamp was used: B73 is a top notch preamplifier that set the standard for both vintage and modern recordings.

DiBiQuadro Audio S.r.l.s.

P.IVA: 09771000966

Address: Via Amendola 18, 26815
Massalengo (LO), ITALY

