

DiBiQuadro



Mars800

USER MANUAL

Thanks for purchasing DiBiQuadro Mars800. 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 Heritage revives

Mars800 is a faithful simulation of one of the most iconic amp heads in rock history, capturing the essence of a powerful, single-channel amp with raw, unfiltered tone. Designed with EL34 power tubes, it offers the unmistakable bright, gritty, and punchy sound that defined countless classic rock and metal tracks.

With controls for Gain, Bass, Mid, Treble, Presence, and Master Volume, the Mars800 responds well to adjustments, delivering anything from a thick crunch to a searing lead tone. While it's simple in layout, this amp simulation is powerful in sound, achieving a natural, organic distortion that's clear and dynamic. Loud and unapologetically bold, Mars800 is the perfect choice for players who crave an authentic rock sound with vintage grit and modern reliability.

Mars800 doesn't stop at its core sound: two popular mods, called 34 and 36, take its tone even further.

Mod 34: This modification was created at the request of a player seeking more distortion without adding another gain stage. The modification pushes the Mars800 into higher-gain territory, giving it a smooth, compressed tone with more sustain. It tightens the low end and adds extra saturation, perfect for players wanting a boosted rock sound with added bite. This mod was famously used on *Use Your Illusion* by Guns N' Roses, providing the thick, powerful crunch that's both smooth and aggressive. Its ability to compress and sustain made it ideal for the riffs and solos that defined 80s and early 90s rock.

Mod 36: This mod is a refined version of the legendary Mod 39, which evolved from an earlier 1959T amp modification. The original version featured an added gain stage using the tremolo valve, but later iterations simplified the design to make it more streamlined and widely used. Building on this, the Mod 36 was developed to deliver even more gain and depth. This mod was used on *Appetite for Destruction* and delivers a thicker, more aggressive tone with boosted bass response, making it perfect for players craving a heavier, modern sound while retaining a vintage edge. The Mod 36 is known for its saturated tone, making it a favorite in hard rock and metal.

These mods expand Mars800's versatility, making it suited for anything from classic rock crunch to high-gain, saturated lead tones.

But that's not all. The Mod 34 and Mod 36 include three exclusive, recallable circuit presets: Classic, Modern, and Extreme. Each preset is crafted to deliver a unique tonal character, making it easy to shape your sound and refine your creative vision.

GUI Controls

INPUTS

HI Input: A high-sensitivity input designed for guitars with lower output pickups or for players seeking more gain and responsiveness. It delivers a brighter and more dynamic sound.

LO Input: A low-sensitivity input suited for guitars with higher output pickups or for achieving cleaner tones with reduced gain, ideal for rhythm playing or vintage-style tones.

PREAMP

Controls the input gain and determines the saturation level of the preamp.

BASS, MID, TREBLE

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

MASTER

Regulates the overall volume output of the preamp. It is placed before the PWR/CAB section and It can be used to feed a hotter signal into the PWR/CAB but also to give a different character to the tone.

MOD#

The toggle switch allows you to choose between Original (O) and two modified circuits (34 and 36):

O: It is the stock 800 circuit.

Mod 34: Inspired by the modified 800 used by Slash, offering a midrange boost and higher gain suitable for lead tones.

Mod 36: Offers a higher-gain circuitry, focusing on modern rock and metal tones with an aggressive edge.

Preamp Circuits

Low

Original (stock) circuit, LO input.

LowMod34

Circuit with Mod 34, LO input.
Classic/Modern/Extreme presets
available.

High

Original (stock) circuit, HI input.

HighMod34

Circuit with Mod 34, HI input.
Classic/Modern/Extreme presets
available.

Mod36

Circuit with Mod 36, HI input.
Classic/Modern/Extreme presets
available.

NonLinearSolver

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

Preamp Presets

CLASSIC

Warm, balanced, and vintage.

Emphasis on midrange frequencies.

Softer attack and smoother high frequencies due to lower capacitance and higher resistor values.

MODERN

More focused and articulate compared to classic.

Enhanced clarity in the treble and a slightly tighter low-end.

EXTREME

High gain, aggressive, and more pronounced low-mid emphasis with faster transient response.

Even tighter low-end compared to modern, with a tendency for saturation and distortion.

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

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

Pwr/Cabs

Mars800 is delivered with 34 Pwr/Cabs:

Mars800_000_100W_EL34
Mars800_001_100W_EL34_60A_1_T75_57_B73
Mars800_002_100W_EL34_60A_1_T75_201_B73
Mars800_003_100W_EL34_60A_1_T75_421_B73
Mars800_004_100W_EL34_60A_4_T75_57_B73
Mars800_005_100W_EL34_60A_4_T75_201_B73
Mars800_006_100W_EL34_60A_4_T75_421_B73
Mars800_007_100W_EL34_60A_2_V30_57_B73
Mars800_008_100W_EL34_60A_2_V30_201_B73
Mars800_009_100W_EL34_60A_2_V30_421_B73
Mars800_010_100W_EL34_60A_3_V30_57_B73_A
Mars800_011_100W_EL34_60A_3_V30_201_B73_A
Mars800_012_100W_EL34_60A_3_V30_421_B73_A
Mars800_013_100W_EL34_60A_3_V30_57_B73_B
Mars800_014_100W_EL34_60A_3_V30_201_B73_B
Mars800_015_100W_EL34_60A_3_V30_421_B73_B
Mars800_016_100W_EL34_60B_1_M25_57_B73
Mars800_017_100W_EL34_60B_1_M25_201_B73
Mars800_018_100W_EL34_60B_1_M25_421_B73
Mars800_019_100W_EL34_60B_3_M25_57_B73
Mars800_020_100W_EL34_60B_3_M25_201_B73
Mars800_021_100W_EL34_60B_3_M25_421_B73
Mars800_022_100W_EL34_60B_2_H30_57_B73
Mars800_023_100W_EL34_60B_2_H30_201_B73
Mars800_024_100W_EL34_60B_2_H30_421_B73
Mars800_031_100W_EL34_60AV_1_MV_57_B73
Mars800_032_100W_EL34_60AV_1_MV_201_B73
Mars800_033_100W_EL34_60AV_1_MV_421_B73
Mars800_034_100W_EL34_60AV_2_MV_57_B73
Mars800_035_100W_EL34_60AV_2_MV_201_B73
Mars800_036_100W_EL34_60AV_2_MV_421_B73
Mars800_037_100W_EL34_60AV_4_MV_57_B73
Mars800_038_100W_EL34_60AV_4_MV_201_B73
Mars800_039_100W_EL34_60AV_4_MV_421_B73

Three cabinets are available: a slanted 60A loaded with T75 and V30 speakers, a straight 60B loaded with M25s and H30s, and a slanted 60AV loaded with MarsVintage speakers. A sequential number from 1 to 4 indicates which speaker has been sampled: 1 and 2 refer to the top left and right, while 3

and 4 refer to the bottom left and right, respectively.

A high-end B73 mic preamp was used. The B73 is a top-notch, dual-channel preamplifier that sets the standard for both vintage and modern recordings.

The first Pwr/Cab is the non-linear sampling of the power amp without cabinet/mic.

All samples were captured using mastering-grade converters.

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