

DiBiQuadro



MarsPlexi

USER MANUAL

Thanks for purchasing DiBiQuadro MarsPlexi. 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 Bringer of Tone

MarsPlexi recreates the power and tone of the legendary Plexi 100 Watt, the amp behind iconic albums that defined rock history. Experience the unmistakable tones of Hendrix's *Are You Experienced*, Led Zeppelin's *Led Zeppelin II*, AC/DC's *High Voltage*, and Van Halen's *Van Halen I*.

With authentic British grit and dynamic gain response, MarsPlexi takes you from sparkling cleans to searing distortion, capturing the tones that shaped generations.

Key features include:

Channel Blending: Unlock the rich, complex textures heard on countless classic albums.

Responsive EQ and Presence: Dial in the classic rock tones or push it further for smooth leads and heavy rhythms.

Cabinet Emulation: Faithfully models the roar of 4x12" cabinets.

MarsPlexi isn't just an amp sim; it's a piece of rock history ready to bring legendary tones to your fingertips.

But that is only the beginning. MarsPlexi comes with 3 legendary Mods. The Mod 34, Mod 36, and Mod 39+ are tailored to recreate specific modifications to the classic Plexi sound, giving you access to different eras of rock tones with unique gain structures and tonal characteristics. Here's a breakdown of each.

Mod 34 is crafted to evoke the heightened mids and tighter low-end of modified Plexis popular in the '80s, giving players that extra push in gain and clarity associated with iconic rock and hair metal tones of the time. The result is an amp sim that shines with punchy, cutting leads and high-energy rhythms, perfect for fans of classic '80s rock and metal.

Mod 36, on the other hand, offers an even more aggressive approach. Often considered the "hot-rodded Plexi", this mod takes the natural Plexi growl and adds a layer of harmonics and saturation, delivering a rich sustain that's ideal for powerful rhythm work or smooth, high-energy solos. It channels the sound of bands who pushed Plexi mods to new heights during the late '70s and early '80s.

Mod 39+ rounds out the trio with a full-throttle approach, adding high gain and enhanced bass and treble. It morphs the Plexi into a modern high-

gain amp, with a thicker, more saturated distortion perfect for heavier, more aggressive styles. This mod is ideal for modern rock and metal tones that require boldness and definition, while still preserving the Plexi's iconic character.

Each of these mods brings something special, letting you explore everything from vintage rock tones to cutting-edge metal within the classic Plexi framework.

Mod 34, 36 and 39+ come with 3 exclusive circuit presets called **Classic, Modern and Extreme**. These recallable presets are meant to accentuate 3 distinctive vibes and bring your tweaking game to the next level.

GUI Controls

INPUTS

Channel I (High Treble) - Top Left (High Sensitivity): Produces a brighter tone with more gain.

Channel I (High Treble) - Bottom Left (Low Sensitivity): Provides the same bright tone but with reduced gain and volume.

Channel II (Normal) - Top Right (High Sensitivity): Offers a warmer, fuller tone with more gain.

Channel II (Normal) - Bottom Right (Low Sensitivity): Delivers the same warm tone but with lower gain and volume.

BASS, MID, TREBLE

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

VOLUME I / VOLUME II

Volume I (High Treble Channel): Controls the loudness of the **High Treble** channel, which has a brighter tone with more presence and aggression. This channel emphasizes higher frequencies, making it ideal for cutting through the mix, especially in lead guitar playing.

Volume II (Normal Channel): Adjusts the volume of the **Normal** channel, which has a warmer, bassier tone. This channel is smoother and rounder, often preferred for rhythm playing or when a fuller low-end response is desired.

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 three modified circuits (34, 36 and 39+):

O: It is the stock Plexi circuit.

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

Mod 36: Adds an extra gain stage (tube-based), focusing on modern rock and metal tones with an aggressive edge.

Mod 39+: Similar to Mod 36 but tunes the gain structure differently for a slightly different midrange and compression.

Preamp Circuits

Plexi

Original (stock) circuit.

Mod34

Circuit with Mod 34, Hi input Channel I. Classic/Modern/Extreme presets available.

Mod36

Circuit with Mod 36, Hi input Channel I. Classic/Modern/Extreme presets available.

Mod39+

Circuit with Mod 39+, Hi input Channel I. 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

MarsPlexi is delivered with 34 Pwr/Cabs:

MarsPlexi_000_100W_EL34
MarsPlexi_001_100W_EL34_60A_1_T75_57_B73
MarsPlexi_002_100W_EL34_60A_1_T75_201_B73
MarsPlexi_003_100W_EL34_60A_1_T75_421_B73
MarsPlexi_004_100W_EL34_60A_4_T75_57_B73
MarsPlexi_005_100W_EL34_60A_4_T75_201_B73
MarsPlexi_006_100W_EL34_60A_4_T75_421_B73
MarsPlexi_007_100W_EL34_60A_2_V30_57_B73
MarsPlexi_008_100W_EL34_60A_2_V30_201_B73
MarsPlexi_009_100W_EL34_60A_2_V30_421_B73
MarsPlexi_010_100W_EL34_60A_3_V30_57_B73_A
MarsPlexi_011_100W_EL34_60A_3_V30_201_B73_A
MarsPlexi_012_100W_EL34_60A_3_V30_421_B73_A
MarsPlexi_013_100W_EL34_60A_3_V30_57_B73_B
MarsPlexi_014_100W_EL34_60A_3_V30_201_B73_B
MarsPlexi_015_100W_EL34_60A_3_V30_421_B73_B
MarsPlexi_016_100W_EL34_60B_1_M25_57_B73

MarsPlexi_017_100W_EL34_60B_1_M25_201_B73
MarsPlexi_018_100W_EL34_60B_1_M25_421_B73
MarsPlexi_019_100W_EL34_60B_3_M25_57_B73
MarsPlexi_020_100W_EL34_60B_3_M25_201_B73
MarsPlexi_021_100W_EL34_60B_3_M25_421_B73
MarsPlexi_022_100W_EL34_60B_2_H30_57_B73
MarsPlexi_023_100W_EL34_60B_2_H30_201_B73
MarsPlexi_024_100W_EL34_60B_2_H30_421_B73
MarsPlexi_031_100W_EL34_60AV_1_MV_57_B73
MarsPlexi_032_100W_EL34_60AV_1_MV_201_B73
MarsPlexi_033_100W_EL34_60AV_1_MV_421_B73
MarsPlexi_034_100W_EL34_60AV_2_MV_57_B73
MarsPlexi_035_100W_EL34_60AV_2_MV_201_B73
MarsPlexi_036_100W_EL34_60AV_2_MV_421_B73
MarsPlexi_037_100W_EL34_60AV_4_MV_57_B73
MarsPlexi_038_100W_EL34_60AV_4_MV_201_B73
MarsPlexi_039_100W_EL34_60AV_4_MV_421_B73
MarsPlexi_033_100W_EL34_60AV_1_MV_421_B73
MarsPlexi_034_100W_EL34_60AV_2_MV_57_B73
MarsPlexi_035_100W_EL34_60AV_2_MV_201_B73
MarsPlexi_036_100W_EL34_60AV_2_MV_421_B73
MarsPlexi_037_100W_EL34_60AV_4_MV_57_B73
MarsPlexi_038_100W_EL34_60AV_4_MV_201_B73
MarsPlexi_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. The first Pwr/Cab is the non-linear sampling of the power amp without cabinet/mic.

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.

All samples were captured using mastering-grade converters.

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