WAVES
MANNY MARROQUIN EQ
User Guide

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Chapter 1 – Introduction

1.1 Welcome

Thank you for choosing Waves! In order to get the most out of your new Waves plugin, please take a moment to read this user guide.

To install software and manage your licenses, you need to have a free Waves account. Sign up at www.waves.com. With a Waves account you can keep track of your products, renew your Waves Update Plan, participate in bonus programs, and keep up to date with important information.

We suggest that you become familiar with the Waves Support pages: www.waves.com/support. There are technical articles about installation, troubleshooting, specifications, and more. Plus, you'll find company contact information and Waves Support news.

1.2 Product Overview

The Waves Signature Series is our exclusive line of application-specific audio processors, created in collaboration with the world's top producers, engineers, and mixing engineers. Every Signature Series plugin has been precision-crafted to capture the artist's distinct sound and production style. For experienced and aspiring audio professionals alike, the Waves Signature Series allows you to dial up the sound you're looking for quickly, without interrupting your creative flow.

Four-time GRAMMY® award-winning mixing engineer Manny Marroquin takes the Waves Signature Series to a new level with six hybrid plugins that bring his unique workflow to *your* studio. Alongside his personalized versions of tried-and-true favorites like EQ, reverb, delay and distortion, Manny introduces the innovative new Tone Shaper and Triple D plugins which are destined to become mixing essentials as well. Combining inspiration from his impressive collection of unique and boutique hardware, together with the fruits of his imagination, the Manny Marroquin Signature Series gives you direct access to the same tools Manny uses to mix hit after hit after hit.

The Manny Marroquin Signature Series consists of six plugins:

- **Manny Marroquin EQ** – A four-band equalizer, with each cutoff point inspired by a different hardware unit that Manny uses for that range.
- **Manny Marroquin Reverb** –18 of Manny's favorite reverbs in one plugin, topped off with a bit of EQ, compression, phasing and distortion.
- **Manny Marroquin Delay** – A delay plus multi-effect plugin with phaser, reverb, distortion and harmonizer for enhanced depth and groove.
- **Manny Marroquin Distortion** – A delicious, crunchy-style distortion for those times when you need to get down and dirty.
- **Manny Marroquin Triple D** – 3 "Ds" (DeEsser, DeHarsher, DeBoxy) that make it easy to remove those unpleasant – even painful – frequencies.
- **Manny Marroquin Tone Shaper** – Parallel compression per four frequency ranges plus EQ and 'secret ingredients' for added body and richness.

1.3 Concepts, Terminology & Interface

Manny Marroquin essentially has six go-to equalizers: Quad 8, Neve 1073, Motown, API 550, Avalon 2055 and SSL 9080 XL K. The idea behind the Manny Marroquin EQ plugin was to recreate this personalized palette of frequency shapers. Since the cutoff for each band comes from a different one of Manny's units, it delivers interesting results that add complexity, color and depth. Additionally, because each cutoff is from a different EQ, moving between cutoffs results in minor inconsistencies between the various curves, as well as slight gain changes. For instance, an increase of 4.5 dB on one band might be 4.9 on another.

HP is inspired by the high pass filter on Manny's SSL 9080 XL K desk, ranging from 16 Hz to 750 Hz, continuously. The frequency anchors indicated around the control represent HP cutoff points selected by Manny for quick access.

Band 1

For low bands, Manny usually uses one of two EQs : A Quad 8 or a Neve 1073. The 50 Hz, 140 Hz and 250 Hz cutoffs come from the Quad 8; 110 Hz and 220 Hz come from

the 1073. While 50 Hz and 140 Hz from the Quad 8 are wide bells, the 250 Hz from the same EQ is much narrower. The 110 Hz and 220 Hz are shelf type filters.

Band 2

For low mid/mid band EQs, Manny's Quad 8 and Motown take center stage. 250 Hz, 400 Hz and 1500 Hz are inspired by the Quad 8, while the 320 Hz and 800 Hz hail from the Motown. Please note: The 250 Hz cutoff is identical to the one in Band 1; they overlap so you can cut at 250 Hz while boosting a different low frequency.

Band 3

The mid/ high mid range is inspired by three different units: The Motown, the Neve 1073 and the API 550B. The 800 Hz and 5 kHz cutoffs are inspired by the Motown; 1.6 kHz and 3.2 kHz by the 1073; and 8 kHz by the API 550B. Please note: The 800 Hz is identical to the one in Band 2; they overlap so you can cut or boost at 800 Hz while boosting/ cutting a different low mid/mid frequency in Band 2.

Band 4

Unlike the other bands, the high frequency range was inspired by only one unit, an Avalon 2055. According to Manny, the high frequencies on this EQ are so silky that he rarely uses anything else. Cutoff points range from 10 kHz to 25 kHz, which adds some beautiful "air." This band also has a shelf/bell selector.

LP is inspired by the low pass filter on Manny's SSL 9080 XL K desk, ranging from 21 kHz to 1.8 kHz continuously. The frequency anchors indicated around the control represent HP cutoff points selected by Manny for quick access.

1.4 A Few Words from Manny Marroquin

"When I sit down to do a mix, and I'm looking to do some creative equalization, as opposed to doing some 'clean up,' I always seem to end up reaching for the same frequencies. That's when I go for one of my six go-to equalizers, depending on the frequency: SSL 9080 XL K for its high and low pass filters; Quad 8 or Neve 1073 for the low end; Quad 8 or Motown for lows/low mids; Motown, 1073 and API 550B for mids/high mids; and Avalon 2055 for its silky high end. Waves and I captured the best of each of my favorite EQs – and put them together in one plugin."

1.5 Components

WaveShell technology enables us to split Waves processors into smaller plug-ins, which we call **components**. Having a choice of components for a particular processor gives you the flexibility to choose the configuration best suited to your material.

The Waves MannyM EQ plug-in has two components:

- MannyM EQ – Mono
- MannyM EQ – Stereo

1.6 WaveSystem Toolbar

Use the bar at the top of the plugin to save and load presets, compare settings, undo and redo steps, and resize the plugin. To learn more, click the icon at the upper-right corner of the window and open the WaveSystem Guide.

Chapter 2 – Controls

INPUT controls the level into the plugin.

Range: -18 – 18 dB

HP determines the frequency of the high pass filter.

Range: Off, 16 Hz – 750 Hz

GAIN 1 controls low frequency gain.

Range: -10 – 10 dB

FREQ 1 controls the low frequency band cutoff point.

Range: 50 Hz, 110 Hz, 140 Hz, 220 Hz, 250 Hz

GAIN 2 controls low-mid frequency gain.

Range: -10 – 10 dB

FREQ 2 controls the low-mid frequency band cutoff point.

Range: 250 Hz, 320 Hz, 400 Hz, 800 Hz, 1.5 kHz

GAIN 3 controls high-mid frequency gain.

Range: -10 – 10 dB

FREQ 3 controls the high-mid frequency band cutoff point.

Range: 8 kHz, 1.6 kHz, 3.2 kHz, 5 kHz, 8 kHz

GAIN 4 controls high frequency gain.

Range: -10 – 10 dB

FREQ 4 controls the high frequency band cutoff point.

Range: 10 kHz, 12.5 kHz, 15 kHz, 20 kHz, 25 kHz

FREQ 4 TYPE selects the filter type.

Range: Shelf, Bell

LP determines the frequency of the low pass filter.

Range: 1.8 kHz – 21 kHz, Off

PHASE INVERT reverses the phase of the output signal.

Range: In, Out

OUTPUT controls the plugin output level.

Range: -18 – 18 dB