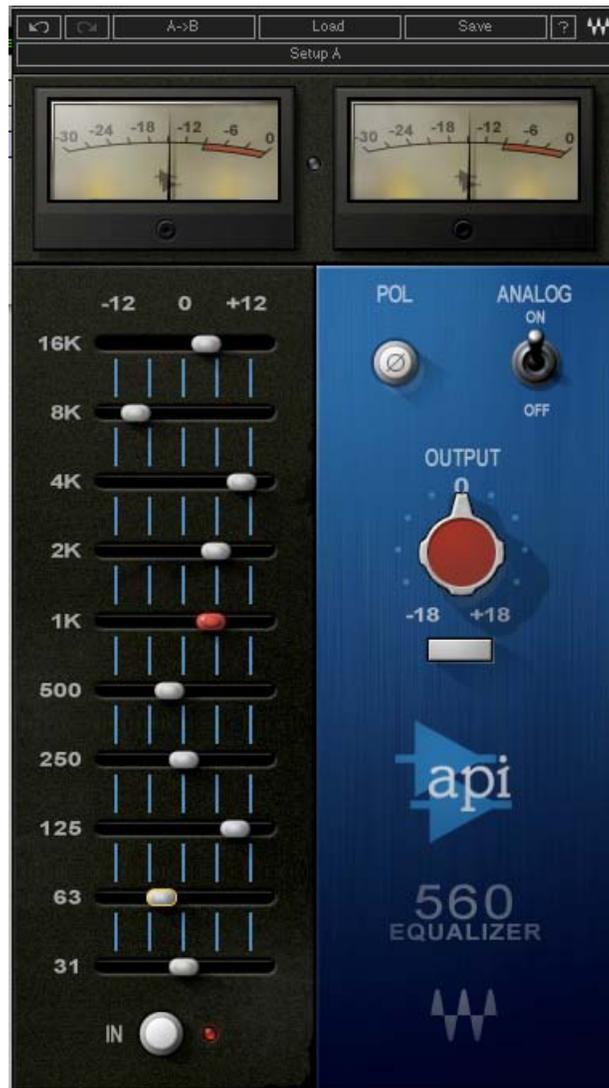


# Waves API 560

## User Manual



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# Chapter 1 – Introduction

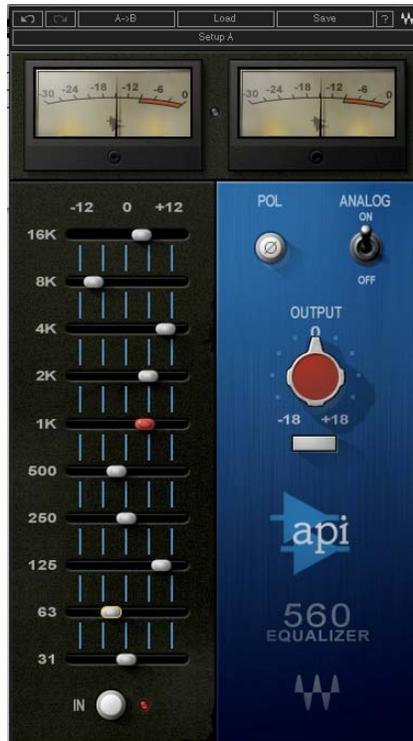
## 1.1 Welcome

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](http://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](http://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



Modeled on the API classic from 1967, the API 560 is a 10-Band equalizer which is divided into intuitive one-octave increments. It features precision filtering and high headroom, ideal for signal enhancement and room tuning. The 560's curve shaping potential is unmatched, while API's unique "Proportional Q" design intuitively widens the filter bandwidth at lower boost/cut levels and narrows it at higher settings. And since boost and cut characteristics are identical, previous actions can be easily undone.

## 1.3 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 API 560 has two component processors:

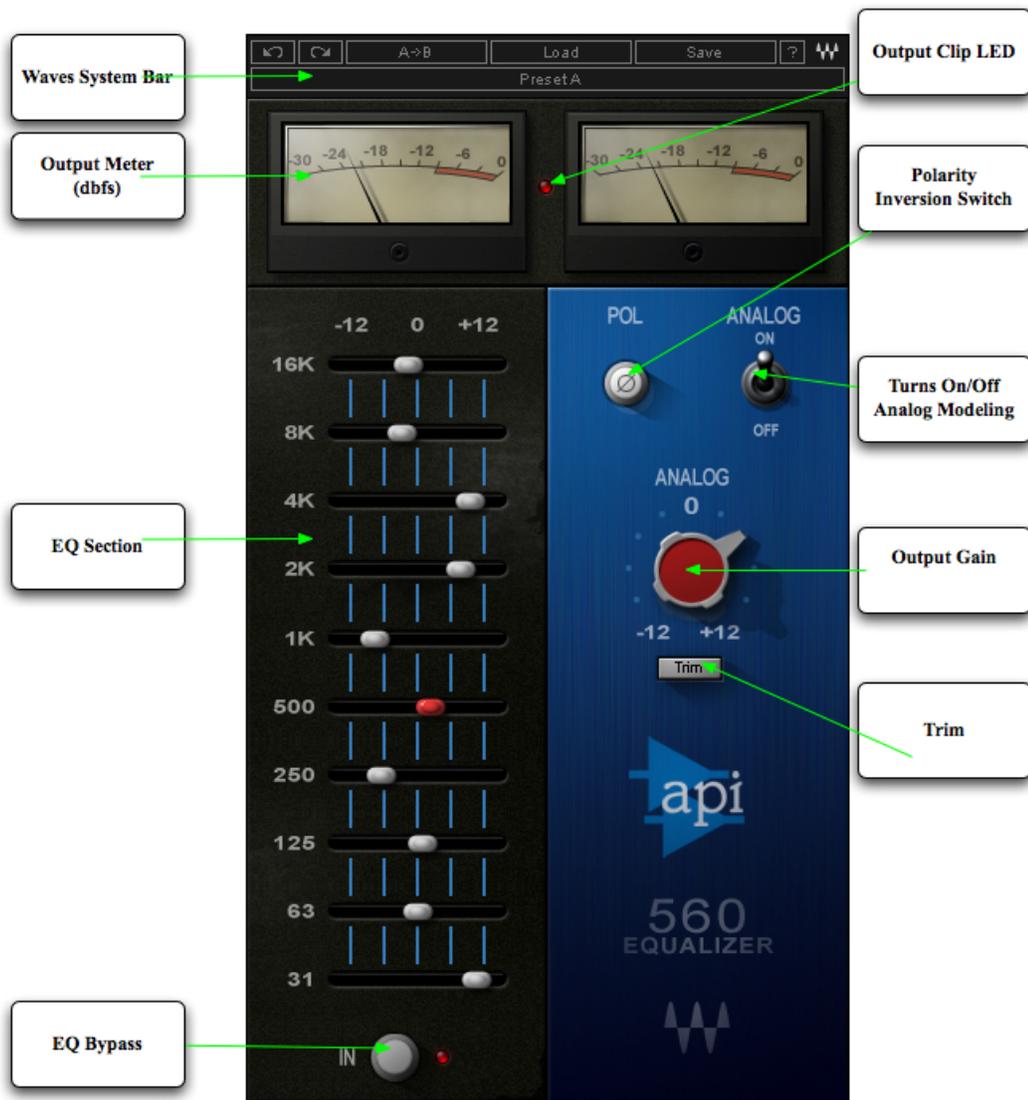
**API 560 Stereo** - A stereo graphic equalizer

**API 560 Mono** – A mono graphic equalizer

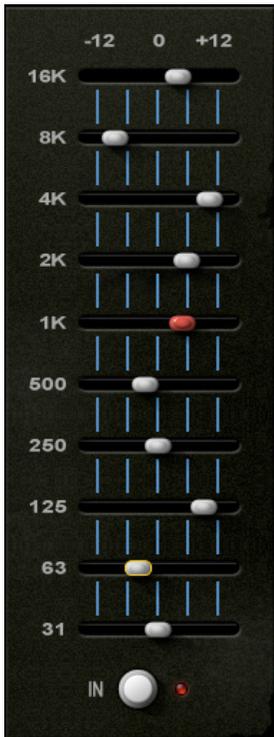
## **Chapter 2 – Quickstart Guide**

Approach the Waves API 560 as you would any conventional graphic EQ. Since the API 560 features “Proportional Q,” which intuitively widens the filter bandwidth at lower settings and narrows it at higher settings, feel free to push the API 560 harder than you normally would other equalizers. The API 560 will deliver smooth, natural, and musical sound even at extreme settings.

# Chapter 3 – Controls and Interface



### 3.1 EQ section



#### Cutoff Points

31Hz, 63Hz, 125Hz, 250Hz, 500Hz, 1kHz, 2kHz, 4kHz, 8kHz, 16kHz

#### Range

+/-12dB per band

#### In/Out

Switches EQ on and off while retaining Analog modeling.

## 3.2 Output Section



### **Pol (Polarity)**

Shifts the phase by 180 degrees.

#### **Range**

0deg-180deg

#### **Default**

0deg

### **Analog**

Turns the Analog modeling on and off.

#### **Range**

On/Off

#### **Default**

Off

## Output

Controls the output level.

### Range

-18dB to +18dB (in 0.1dB steps)

### Default

0dB

## Trim

Displays the maximum peak level of the output signal and its distance from nominal gain (-0.1dBfs).

### Range

-inf to 0dB

### Default

-inf

## Meters



The API 560's meters display output level in dBFS. The Clip LED, located between the two meters, lights up when output signal exceeds 0dBFS.

## 3.3 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.

## Appendix A – Controls List

<b>Control</b>	<b>Range</b>	<b>Default</b>
<b>31 Hz</b>	-12dB to 12dB	0dB
<b>63 Hz</b>	-12dB to 12dB	0dB
<b>125 Hz</b>	-12dB to 12dB	0dB
<b>250 Hz</b>	-12dB to 12dB	0dB
<b>500 Hz</b>	-12dB to 12dB	0dB
<b>1 KHz</b>	-12dB to 12dB	0dB
<b>2 KHz</b>	-12dB to 12dB	0dB
<b>4 KHz</b>	-12dB to 12dB	0dB
<b>8 KHz</b>	-12dB to 12dB	0dB
<b>16 KHz</b>	-12dB to 12dB	0dB
<b>Output</b>	-18dB to 18dB	0dB
<b>Trim</b>	-inf to 0dB	-inf
<b>Analog</b>	On/Off	Off
<b>Phase</b>	0deg - 180deg	0deg