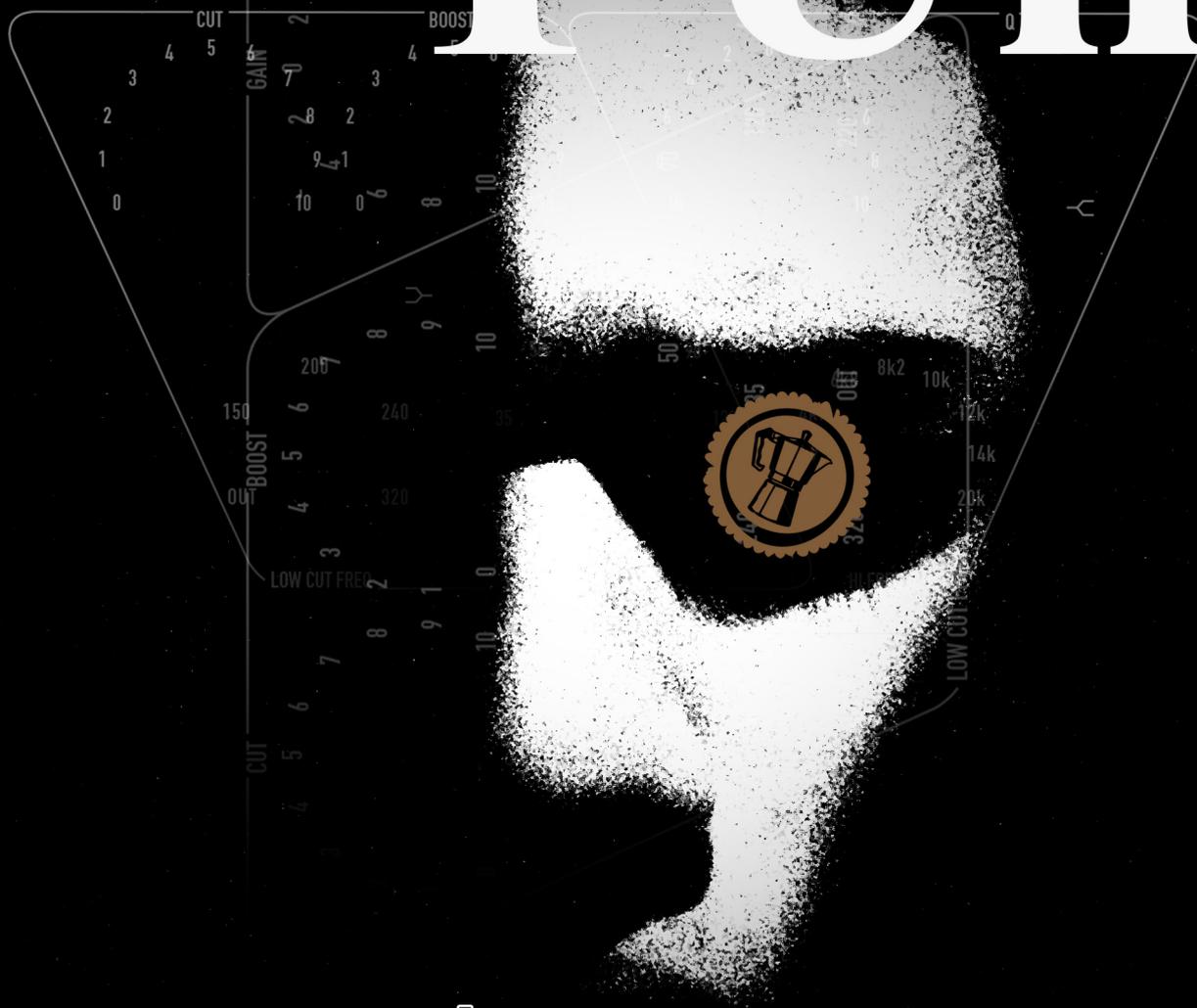


# COFFEE the PUn



 ACUSTICA



In a world of vintage 'Purple-style' units (well, when we consider the AA world), the time has come to give you a real 'Punisher', a vigilante that specialises in characterful clean-ups in the digital domain.

Meet Coffee The PUn, a FREE plugin resolver with big sound and aggressive character, but who can also treat your source with respect, awakening its inner potential.

Don't be fooled by free, this is unlike the ordinary free products you will find available.

**This is a true superhero.**

# INTRO

COFFEE FREE THE PUN

The PUn (COFFEE Free) is a free plug-in comprised of a two-band equalizer combining a passive bass equalizer, an active treble section, and a germanium based preamp. This plug-in is designed specifically to bring the sonic character of germanium Class-A transistors to the mixing game. The sound is warm and sweet as is the case for many 'Vintage-style' circuits, although the sampled unit is of recent manufacture. If you are yearning for those rich harmonics, velvety 'air,' and a little bit of saturation, this is the plug-in for you. It shines on vocals, drums (especially snare drum and the drum bus), bass, acoustic guitars, and pianos.

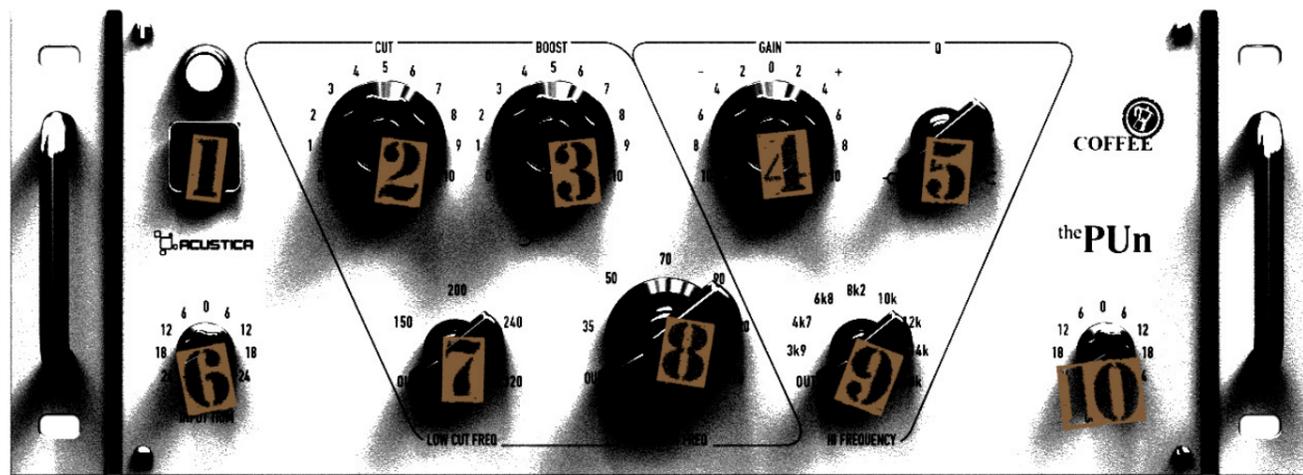
# OPERATION

The passive Low Shelf frequency band of the EQ provides separate boost and cut sections, each with their own frequency controls with Gain boost (0 to +10 dB) and cut controls (0 to -10dB). Both sections have a different set of frequencies to allow simultaneous boost and cut settings to interact creatively in the classic "Pultec style." Hence, it's possible to create complex EQ shapes by boosting and cutting simultaneously at different frequencies. The PUn offers interactive and independent modes for the LF band. The Low-Cut has 4 switchable frequencies (from 150 to 320 Hz, plus 'Out'=Bypass). Alternatively, the Low-Boost offers 6 different frequencies (from 35 to 220 Hz, plus 'Out'=Bypass)

The High frequency (Treble) section provides an 18 dB cut or boost with 8 frequency settings ( from 20 to 3.9 kHz, plus 'Out'=Bypass ), and the Q knob allows you to switch between bell or shelf modes.



# CONTROLS



**1.PRE** Press this to activate the preamp (LAMP=ON).

**2.CUT** Low Cut Freq Shelf; 0 to -10dB of adjustable gain.

**3.BOOST** Low Boost Freq Shelf; 0 to +10dB of adjustable gain.

**4.GAIN** High Frequency (Treble) peak/shelf boost and cut; ±18dB of adjustable gain.

**5.Q** This knob allows gradual adjustments from Peak to Shelving mode.

**6.INPUT TRIM** this function allows for a “one-knob” internal gain staging control by automatically linking the input and output gain stages with an inverse law. This control sets the input level from -24dB to +24dB, and it is used to adjust the internal operational level of the plug-in. Note that this is different from a standard input gain control due to the linked output gain stage, which always ensures that whatever gain change is introduced at the input, the output level is automatically compensated so that there’s no perceived level change.

**7.LOW CUT FREQ** (Hz): Low Cut Freq (Shelf filter). Values (Hz): 150, 200, 240, 320, ‘Out’=Bypass.

**8.LOW BOOST FREQ** (Hz): Low Boost Freq (Shelf filter). Values (Hz): 35, 50, 70, 90, 120, 220, ‘Out’=Bypass.

**9.HI BAND** (kHz): this is the High Peak/Shelf EQ. Values (Hz): 3k9, 4k7, 6k8, 8k2, 10k, 12k, 14k, 20k, ‘Out’=Bypass

**10.OUTPUT GAIN** is the output gain control ranging from -24dB to +24dB.

# PLUS

The PUn (COFFEE Free) comes in a “Standard” version and an alternative “ZL” version that operates at zero latency at the cost of extra processing resources and is thus suitable for use when tracking. The PUn features our latest core engine technology, which now includes EHR™ - Enhanced Harmonic Response Technology, and Dynamic Routing™! [Learn more!](#)

# SYSTEM REQUIREMENTS

	PC Windows		Apple macOS	
	MINIMUM	RECOMMENDED	MINIMUM	RECOMMENDED
<b>OPERATING SYSTEM</b>	Windows 10 64 bits	Windows 10 64 bits	macOS 10.9	macOS 10.14
<b>CPU</b>	Intel i5 Broadwell 3.1 GHz*	Intel i9 Coffee Lake 3.5 GHz*	Intel i5 Broadwell 3.1 GHz*	Intel i9 Coffee Lake 3.5 GHz*
<b>RAM</b>	4 GB of RAM <sup>(1)</sup>	64 GB of RAM <sup>(1)</sup>	4 GB of RAM <sup>(1)</sup>	64 GB of RAM <sup>(1)</sup>
<b>SSD</b>	800 MB	800 MB	800 MB	800 MB
<b>SCREEN RESOLUTION</b>	FHD (1920x1080)	UHD (3840x2160)	FHD (1920x1080)	UHD (3840x2160)
<b>PLUG-IN FORMAT</b>	VST & AAX <sup>(2)</sup>	VST & AAX <sup>(2)</sup>	VST, AAX & AU <sup>(2)</sup>	VST, AAX & AU <sup>(2)</sup>
<b>AQUARIUS</b>	Mandatory	Mandatory	Mandatory	Mandatory
<b>INTERNET CONNECTION</b>	Mandatory	Mandatory	Mandatory	Mandatory

All technical specifications of Acustica Audio products provided are intended to be estimates or approximations. Due to numerous variables, no guarantees of compatibility or performance can be made. The end-user is solely responsible for, prior to purchase, ensuring that the end-user’s devices are compatible and meet the system requirements for Acustica Audio products.

\* AMD or Intel Xeon CPUs are not recommendable and the CPU speed is more important than the number of CPU cores.

<sup>(1)</sup> In order to run more plug-ins instances it is always necessary to increase the amount of RAM.

<sup>(2)</sup> 64-bits supported only.

## IMPORTANT:

- It is the user’s responsibility to configure the operating system, drivers and the DAW/NLE correctly

-The computer system should be optimized to work at a high CPU load and low audio latency.

## PRODUCT REGISTRATION

After you have purchased a product from our web-shop, product registration is automatic. Your newly purchased product will be available for downloading using our installation assistant application Aquarius. For more details about product registration, please refer to the [Aquarius user manual](#) on our website.

## PRODUCT AUTHORIZATION

Product authorization and de-authorization is an automatic on-line process that creates a product license based on your computer's identification code.

This procedure is automatically performed by our installation application, Aquarius.

Its purpose is to simplify and automate the authorization, installation, and uninstallation process of your purchased Acustica products.

For more details about installation/authorization, please refer to the [Aquarius user manual](#) on our website.

**Recommendation:**

Please always update Aquarius to the latest version available. In case of authorization problems with an Acqua plug-in, we recommend you to proceed with a product uninstall and then re-install through the latest version of the Aquarius app.

## PERFORMANCE CAUTION

To maximize the performance and usability of 'The Pun' plug-in on your computer, we suggest you follow some precautionary rules that will help you save precious CPU cycles.

-First of all, set your buffer size setting as large as possible.

There is generally no specific reason for using a low buffer size setting during mixing or mastering sessions. Increasing buffer sizes (consequently latency) highly decreases required CPU power.

-You should also consider only using the necessary features. We do not ensure the complete absence of bugs or the perfect operation of the product.

We do not take any responsibility for the misuse of the product, or collateral problems derived from it. This manual includes a description of the product but gives no guarantee for specific characteristics or successful results.

The design of our products is under continuous development and improvement. Technical specifications are, therefore, subject to change.

We recommended that you calibrate your input levels to the usual Acqua/Nebula convention: -18dBFS = 0VU; this way, you will avoid any unwanted distortion or unpredictable behavior due to excessively high input levels.

