q.632

1 dB	-3 dB	-1.5 dB	2.5 dB	3.5 dB	-1.5 dB	2.7 dB	2.5 dB	0 dB
100 Hz	270 Hz	470 Hz	730 Hz	1300 Hz	2700 Hz	5500 Hz	4700 Hz	Master
	2	0.7	1.3	1.3	0.7	2.5		

KUSH

BYPASS   SAVE AS   SAVE   ←   →   VOCAL - Soft Presence   RENAME   DELETE   A / B   COPY A › B   INFO

W E L C O M E   T O

q.632

q.632 is a modestly updated repackage of Magpha EQ, an obscure and defunct plugin whose unusual phase-modeled filters earned it a reputation for smoothness and fidelity that rival what comes out of $9,000 analog mastering EQ's.

Spotting an opportunity to revive this lovely tech, Kush reached out to John Flynn, the mastering engineer who developed Magpha, and secured an exclusive license both to Magpha and its underlying EQ algorithms.

q.632 is the first Kush product to leverage Magpha's EQ dsp, adding extended gain range, an updated Preset Manager and Apple Silicon compatibility. Magpha EQ's core dsp (and tightly phased sound) remains untouched, and will slowly become incorporated into all of Kush's products.

If you want a dead simple, minimalist EQ that does zero damage to any part of your sound no matter what you do with it, q.632 is the one to get.

THE EQUALIZER
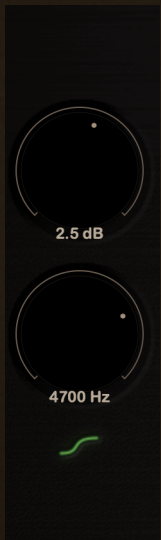
SHELVES q.632's filter set begins and ends with low and high shelving. The slope (Q) of each shelf is fixed and designed to be gentle and powerful; they're also extremely flexible, so take a cue from the presets and try setting the corner frequencies higher and/or lower than you might be accustomed to. Around here we've become particularly addicted to a high shelf between 1.2k-1.8k, it's amazing for 'waking things up' while preserving their overall tonality.

2.5 dB

4700 Hz

PEAKS In between the shelves, q.632 has 6 peaking filters (aka bells), each of which can be set anywhere from 20Hz to 20,000Hz. The presets offer several Default states for each of the trickiest core instruments and program material, with frequency centers and bandwidth settings optimized for the selected source.

2.7 dB

5500 Hz

2.5

GAIN The top row of controls represent the Gain knobs for all 8 bands. These controls are labeled with dB and have an available range of +/- 18dB.

2.5 dB

FREQ The second row of controls represent the Frequency knobs. These controls are labeled with Hz, and any band can be set from 20Hz to 20,000Hz .

4700 Hz

Q / BANDWIDTH In addition to Gain and Frequency, each of the 6 peaking filters has a third row of knobs which represent the Q, or bandwidth. Q is a bit counterintuitive in that higher values represent narrower filters that grab a smaller slice of the spectrum, and lower values represent a wider filter that grabs more of the spectrum.

2.5
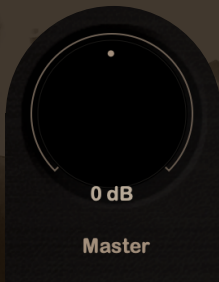
MASTER GAIN Adjusts overall output level of the plugin, post-eq, with a range of +/-18dB. If you're heavy into level-matched comparisons, thoughtful gain staging, or other such audio geekery, this is your ticket to paradise.

0 dB

Master

INDIVIDUAL BYPASS The icon below each row of knobs is a clickable per-band bypass. If it's green it's on, clicking the icon toggles that state. This is a great way to audition individual changes in context, without having to bypass the whole plugin.
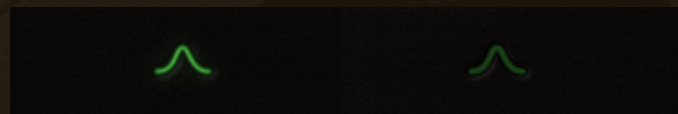
Some useful Q ranges to keep in mind, along with some very subjective attempts to describe things that are hard to describe:

0.07 – 0.35 Q values this low create filters that are extremely wide, useful for broad tonality shifts. On the plus side, ultra-low Q settings are hard to get a bad sound out of, because they're the opposite of resonant and, in some cases, are halfway to an overall volume boost.

0.36 – 0.70 Q values in this range are still quite broad and therefore retain most of the musicality of the ultra-wide values, but they're beginning to target more specific 'pockets' of the spectrum (i.e., rather than just "the low end" you can focus in on "the boom". This is very useful for helping to shift the overall voicing or front-to-back placement of a track or mix, adding energy and punch or clearing out a lot of space; on the downside, these values are still a bit too broad to fix any deeper problems in the recording.

0.71 – 3.00 Values in this range are good for more focused boosts and cuts to emphasize / deemphasize specific timbral or emotional aspects of a sound in a way that draws out (or subdues) its individual character. Think: Bass pluck, snare crack, beater attack, lip smacking, etc. Counterintuitively, high frequencies often love a narrower Q because you can draw out exactly the right transient click or sibilant or air, without bringing up a bunch of unnecessary brightness that can distract or even fatigue the ear. Then again, sometimes the opposite is true, so stay open and never be afraid to turn a knob farther than you think you "should".

3.01 – 7.07 This range is where you start to get into narrower and narrower notching-type filters, which can be useful for taming annoying resonances, sibilant frequencies, and other tightly-focused pockets of energy. Be careful though; while it's currently fashionable to aggressively target resonances with lots of deep cuts at high Q settings, doing so can quickly strip a sound of the very things that make it interesting. "Great sound" is a lofty goal that most of us tend to share, but for our money, "vibe" and "charm" and "character" are way more interesting and engaging qualities to pursue. There's a thin line between 'artfully tightened' and 'depressingly sanitized', we recommend that you make sure something is actually a problem before spending precious time and brain cycles trying to fix it.

q.632

PRESET / STATE MANAGER

| BYPASS | A / B | COPY A › B | INFO |

BYPASS   Bypasses q.632 (Who Knew?!)

INFO   Toggles a quick cheat-sheet overlay describing the basic control functions.

A / B   Toggles Between an A and B state of the plugin's control settings. Be aware: Only the currently displayed settings are saved with your DAW session when you quit.

COPY A►B   Copies the current plugin state to the alternate A/B state.

| SAVE AS | SAVE | ← | → | Load preset... | RENAME | DELETE |

SAVE AS   Save current plugin settings as a new preset.

SAVE   Save current plugin settings, overwriting any currently-selected preset.

RENAME   Rename currently selected preset, updating it with the current state of the plugin.

DELETE   Delete the currently selected preset from the list. THIS CANNOT BE UNDONE.

WHAT'S NEXT?

GOT QUESTIONS?

We've got answers! Head to www.thehouseofkush.com/support for all your plugin support needs.

INTO ANALOG?

Ready to pull the trigger on some of Kush's Analog options? Head to www.thehouseofkush.com/analog to read up on all the latest Kush has to offer. Watch videos, hear demos, and drool over the fantastic warmth and detail only Analog can bring to your sound.

AND DON'T FORGET TO CHECK OUT

KUSH AFTER HOURS

AT

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