

ujam

VOXCRAFT



USER GUIDE

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VOXCRAFT 1.0 User Guide (rev B)

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Welcome

Congratulations! You've just added a powerful new tool to your virtual studio. Like all UJAM plugins, this effect is designed to follow our "Sound Better Faster" philosophy.

At UJAM, we believe in frustration-free creativity. We build the "brains" under the hood so you can focus on the "soul" of your music. Instead of overwhelming you with an endless number of knobs and switches, we've packed complex chains of studio-grade processors into a few "Macro" controls. It's like having a world-class mixing engineer inside your DAW which allows you to focus on the music.

Whether you're a seasoned pro or just starting your journey, this guide will get you from "Add to Cart" to "Share My Song" in no time.

Quick Start

If you're the type (like many of us) who just likes to jump in and explore, try this after following the prompts to install VOXCRAFT:

1. Open a project in your DAW and click a track's *Effect* slot
2. Select VOXCRAFT
3. Play some audio and step through the Presets at the top
4. Turn the knobs, click the switches, change the options
5. If it sounds good... stop and enjoy it. If not, adjust some more!
6. Jump to the [Reference section](#) for more in-depth info

Installation & Activation

We've worked to make the "boring stuff" as easy as possible thanks to the UJAM App.

Download

- Head over to ujam.com/app and download the installer for your specific platform.
- This app is your "Backstage" hub—it handles all your downloads, updates, and licenses in one place.

Login

- Launch the UJAM App and sign in with your [UJAM account](#) email and password.
- Check out the Settings in the upper right to set up things like Install Plugins Silently so you don't have to enter your credentials repeatedly.

Install

- Find your new plug-in in the "My Products" list.
- Click Install – the app will automatically download the content and put it where it belongs.
- Once finished, the app will automatically activate the license on your computer. (There's a small sync icon at the top in case the UJAM App doesn't match the products in [your account](#).)

User Interface

The VOXCRAFT UI is designed to keep you in the "flow state" with simple, intuitive controls. It is also deliberately designed so there are no "wrong choices." There are four basic sections, horizontally from top to bottom:



Controls along the top are used to load the factory/user settings, randomize settings, resize the window, or see info about the plug-in.

Just below that you'll find the "VOICE" section which can change the tuning or correct the pitch allowing for subtle to extreme changes.

The upper part of the grey section has six common vocal-chain effects to change dynamic range and tone, add ambience, and more.

Along the bottom are settings to control the overall level, mix and tone.

Read on for details about each.

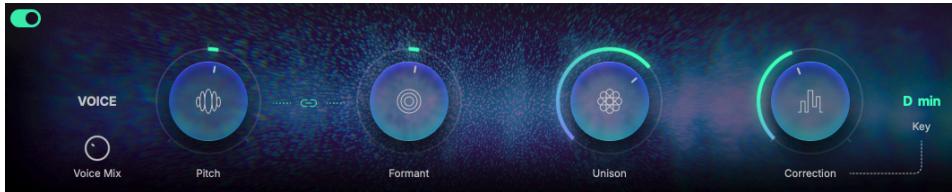
Reference

Presets & Info Section



- **Presets pop-up** allows direct selection of any of the Factory or User presets.
- Use the < or > buttons to step through the presets.
- **Dice icon** is the ‘surprise’ control which randomizes all settings. Use it to let VOXCRAFT create entirely new presets or starting points for you - instant inspiration!
- Click the **Undo** and **Redo** controls (on either side the the Dice icon) to step back or forward through your changes.
- **Save** writes your changes to a User preset. (If you make changes to a *factory* preset, use Save As to create a *user* preset from those new settings.)
- **Save As** creates a new (user) preset. Use this after modifying a factory preset, or if you want to make an alternate copy of a user preset.
- **Bell icon** – This will light up if a new version of the plug-in becomes available.
- **Resize** toggle – Changes the size of the window between maximum and minimum.
- The circled “i” – opens the About page to show things like the installed version as well as links to the product page, the user guide, license agreement, etc.

Voice Section (Pitch & Tuning)



- Use the **switch** in the upper left to turn this section on or off.
- **Voice Mix** – Controls the mix of dry (0%) and wet (100%) sounds.
- **Pitch** – Change the pitch by up to one octave in either direction.
- **Link** – Enabling the  button (between Pitch and Formant) will make the Formant knob follow changes you make to Pitch.
- **Formant** – This is the “Darth Vader vs Minnie Mouse” knob. Adjusting this along with Pitch keeps the sound more natural (which is why there’s a link button). Try unlinking Pitch and Formant and adjusting them in opposite directions for some interesting sounds. (For audio nerds like us... formant is the “shape” of resonance in a singer’s throat and mouth that amplifies certain frequencies, acting like a filter on the sound produced by the vocal cords. And yes, even though we enjoy knowing things like this we can still be fun at parties.)
- **Unison** – Simulates multiple voices to create a ‘thicker’ sound.
- **Correction** – The amount that the pitch is adjusted to conform to the key selected. Use it lightly to tighten up multiple harmony tracks, or a lot for more dramatic effect.
- **Key** – “Chromatic” always moves the pitch to the closest semitone. You can also pick a scale from the menu, with options for Major, Minor and Pentatonic scales to limit the allowed notes.

Effects Section



VOXCRAFT includes the effects you'd often find in a vocal chain.

These let you change the dynamics (range between quiet and loud parts), character (you can distort your voice, or 'age' it like it was from a record player or broadcast over the airwaves), remove or emphasize different frequencies, add echo and ambience, and even create extreme 'sliced up' sounds.

Each effect has an on/off toggle, main control (typically for the amount of effect), one or two additional controls, and 6 different modes to provide a wide range of possibilities.

Your audio passes through these in order from left to right, though there is a "Pre Reverb" option for Chop which swaps their order. Try it both ways to decide if you want your reverb sliced up (more dramatic), or want your slices reverberated (more subtle).

Dynamics

This first section controls a compressor optimized for vocals, and includes a gate for when you want to automatically cut out the noise in what should be silence between your vocal parts (think of it like an automated mute).

- The **main knob** sets the level where the effect starts to take effect, and the **Gate** controls the level where the audio signal is automatically muted.
- Modes:

Gentle – Makes the vocal sound more controlled and solid

Levelling – Even out level variations

Solid – Multi-band compression for a powerful sound

Shine – Multi-band compression that accentuates breathiness

Punchy – Aggressive and snappy

Overcooked – Too much compression with exaggerated side-effects



Character

- Distortion effects to dirty up the signal.
- The **main knob** sets the amount.
- **Tone** sets the focus frequencies.
- Modes:

Fuzz – Buzzy transistor distortion
like a vintage stomp box

Saturate – Soft but also gritty
overdrive

Radio – Tone adjusts the
loudspeaker size

Vinyl – Adds record crackle. Tone
adjusts from vintage to Hi-Fi

Lo-Fi – Broken, digital, with a pinch of walkie-talkie

Bit Crush – Adds digital ringing and crunch



Filter

- This effect cuts or boosts specific frequencies
- The **main knob** controls the frequency, **Reso** controls the amount of resonance, and **Env** (envelope filter) makes a kind of 'wah' effect.
- Modes:

Lowpass - Cut treble frequencies
(makes it more muffled, like it's a party at your neighbor's house)

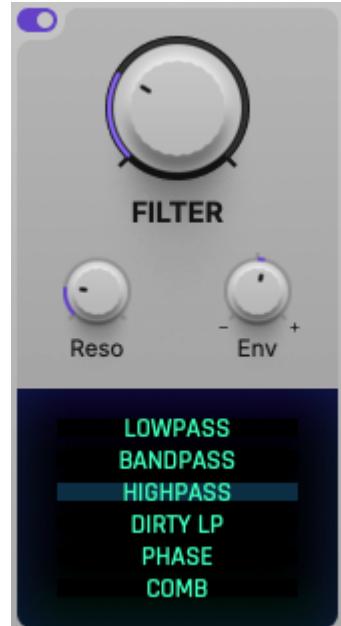
Bandpass - Keep only the selected midrange frequencies

Highpass - Cut bass frequencies
(for a thinner sound, leaves more room for instruments or for the lead vocal when used on backing vocals)

Dirty LP - Cut high frequencies and add some distortion (Daft Punk might like this!)

Phase - Notches and resonances you can tune to find an interesting tone

Comb - A metallic ringing or robotic sound thanks to equally spaced notches (which are effective, though much less delicious, than equally spaced nachos)



Delay

- An echo effect that makes the sound repeat
- The **main knob** controls the level of the delay(s), with **Time** controlling the delay speed (synced to your project) and **Feedback** for the number of repeats.
- Modes:

Mono – Simple center-panned repeats even if the input is stereo (might be a good complement to a wide source)

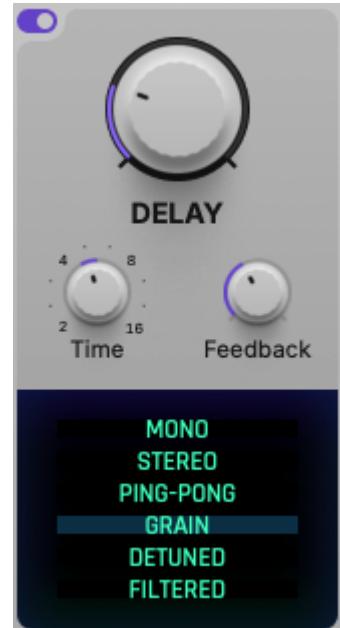
Stereo – Wide airy repeats (try this on a mono vocal)

Ping-Pong – Alternating left and right echoes

Grain – The delayed signal is a little bit sliced up and glitchy

Detuned – The echoes are thick and chorused/detuned

Filtered – Dark dubby echo with tape-style speed changes



Reverb

- An ambient effect that simulates different spaces
- The **main knob** controls the amount of reverb. **Time** controls how short or long the reverb lasts.
- Modes:

Room – *Short & cozy, when you want it to sound like you're singing in the living room.*

Plate – *One of the most common effects which makes vocals sound bright and shiny (without having to set up a large plate of sheet metal with an electromechanical transducer and contact microphone).*

Hall – *Big, wide, and grand. Think cathedrals, orchestras, and sounding like you're 50 feet away.*

Gated – *A huge explosion of sound that gets suddenly choked off. Basically... the "Phil Collins" drum sound.*

Reverse – *The sound swells backwards into the note. Great for psychedelic trips or scary transitions.*

Infinity – *For a sound that never ends. Turn your vocals into a giant, beautiful cloud that lasts as long as you want.*



Chop

- Slices, rearranges, and repeats small segments of audio to create new, rhythmic or melodic patterns.
- The **main knob** adjusts the amount of the effect.
- The **Pre Reverb switch** puts the CHOP effect before or after the DELAY and REVERB effects.
- The **Rate knob** controls the timing (and follows the tempo of your project).
- Modes:



Repeat – *Simply repeats slices of your audio*

Reverse – *Flips the slices to play them backwards*

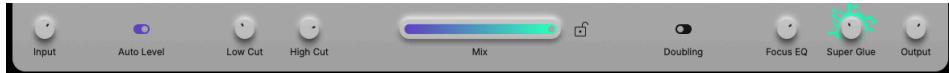
Random – *Repeat, reverse, gate and and re-pitch slices*

Gate – *Apply a pulsing gate / strobe effect*

Pump – *Level rises between beats (great for EDM/Trance)*

Freeze – *Spectral sample and hold (AKA "drunk robot")*

Audio Controls Section



- Input** Set the level of the audio into the plug-in to avoid clipping or to fix low signal levels.
- Auto Level** Automatically adjusts the input gain (after the Input knob) to keep the level even. Useful on very dynamic, unprocessed vocals that might be too loud or quiet in different parts.
- Low Cut** Helps to eliminate rumbling, pops and wind noise. Set between 20 Hz and 2 kHz to eliminate audio *below* that frequency.
- High Cut** Helps to reduce hiss and high-frequency noise. Adjust the frequency between 1 kHz and 25 kHz to eliminate audio *above* that frequency.
- Mix** This is the main balance between VOXCRAFT and your input signal. Set the Mix to 100% if you want to only hear the affected sound (like if you bus other tracks to an Aux track with VOXCRAFT) or somewhere in the middle if you want a blend of the original and processed signals.
- Mix Lock** Lock the Mix slider to keep its setting when changing presets. This is particularly useful when stepping through Presets to listen to compare different effects.

Doubling	Simulates "double tracking" the vocal and panning the two slightly different takes left and right for a wider sound
Focus EQ	Complex EQ curves boiled down into a simple tone control that goes from "solid" (-100) to "neutral" (0) to "bright" at maximum (+100).
Super Glue	A bespoke, exaggerated dynamics processor that's designed to slam and squeeze your signal through the mix, creating very artificial dynamics. In extreme settings, it also creates cool ducking effects when used with delay and reverb present.
Output	The level of the audio going out of the plug-in. Adjust this to set the level going into the next plug-in or for the level in your mix.

Support & Community



Stuck? Need a tip? Or just want to show off what you made?

[Submit a Ticket](#) to ask a question, get some help, or share your ideas on improving our products.

See our [VOXCRAFT articles](#) or [search for a topic](#) in our knowledge base.

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[Follow us on Instagram](#) to catch announcements and other product info.

Join our community on [Facebook](#) or [Discord](#) to post a question or comment, or even share a track!