

# VKeys

**VKeys** maps all Korg Volca Keys implemented MIDI parameters and provides a bunch of extra features (implemented in software), such as Presets, Filter KeyTracking, Chorus-like effects, a second tempo-synced LFO and additional X/Y modulation capabilities.

**Volca Keys native MIDI** (mapped):

- VCO (OSC) Modes
- VCO (OSC) Detune
- VCO (OSC) Portamento
- VCO (OSC) Pitch Envelope amount
- LFO(1) Rate
- LFO(1) Intensity Pitch modulation
- LFO(1) Intensity Cutoff modulation
- VCF Cutoff
- VCF Cutoff Envelope amount
- EG Attack
- EG Decay/Release
- EG Sustain
- Delay Time
- Delay Feedback
- VCA Volume

**VKeys extra features:**

**KeyTracking.** Tracks in real time played notes and modulates the Cutoff. **KeyPol** (Polarity). Positive (+) increases Cutoff for higher pitches, Negative (-) decreases Cutoff for higher pitches.

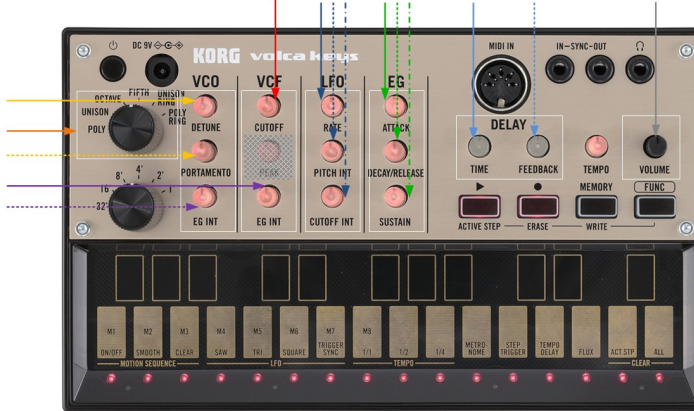
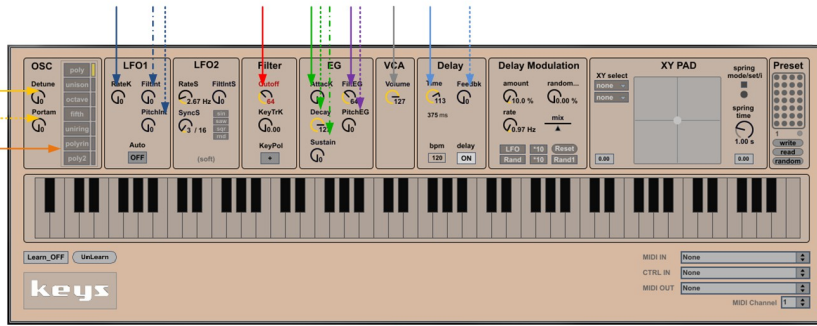
**LFO2.** Additional software/digital LFO for Cutoff modulation. **FillIntS** is the intensity, **RateS** the rate (in Hz), **SyncS** the rate in 1/16th time steps (tempo synchronized)

**Auto** (LFO1). Tracks in real time played notes and tunes the rate of LFO1 (RateK) at audio rate for FM-like modulation.

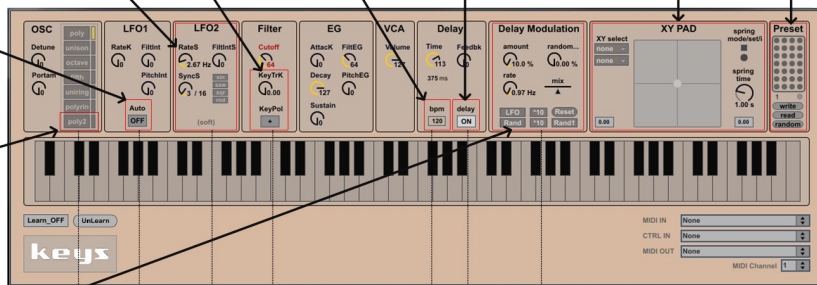
**Poly2.** Additional polyphonic (paraphonic) mode which keeps the velocity of the first note instead of replacing it with the latest. Alternative to standard Poly behaviour.

**Delay Modulation.** Modulate the Delay Time for Chorus-like effects. Rate sets the modulation rate, Amount its amount (in 100% of the set Time) random adds a % of randomness and mix sets the mix between modulation and randomness. The LFO toggle activates the periodic modulation component. The Rand toggle activates the randomness. The [\*10] toggles multiplies the amounts by 10. Reset resets the mix to 50/50. Rand1/Rand2 sets the randomness type (Rand1 is more aggressive)

**Learn.** Map GUI parameters to controller (CTRL IN) automation. First activate the Learn toggle, then select+move the GUI target parameter and finally move the knob/slider on the selected (CTRL IN) controller. Saved in preset info. To delete a mapping select+move the GUI parameter and press the UnLearn button.



**bpm.** Sets the rate of Delay Modulation and of LFO2 to the tempo.  
**Delay ON/OFF.** Un-mute/Mute the delay effect.  
**X/Y Panel.** Joystick like modulation of two parameters, at once.  
**Presets.** Load/Save/Store/Recall/Randomize presets. To Recall CLICK. To Store SHIFT+CLICK.



**MIDI I/O.** Set MIDI ports for input, automation and output (+ channel)



Standard Functionality

Extra Functionality