

# Voccordion Patch

This outline describes how the Voccordion uses the MIDI information to do it's pitch shifting.



Raw Signal

VocPolyInput

Sets up all of polyphonic input of the controller and sends the data to Pfft~.

Pfft~ Does all of the FFT processing.

All three of these patches reside inside of the main Harmonizer patch.

Poly~ Runs inside of the Pfft~ so that there can be polyphony.

ChangePat

Sets the pitch shifting intervals that each of the buttons on the controller sends.

Gizmo~ The actual pitch shifting object.

Harmonizer Main patch

All of the panning is controlled by the voccordion.

Raw Signal Panner

Shifted Signal Panner

Shifted Signal with Delay Panner

Audio Out