MULTIPLEX VOCODER 3

USER GUIDE

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1 | INTRODUCTION

Multiplex Vocoder is a 64 Bits standalone software conceived for music production, live sets and audio postproduction purposes, including voice and sound design.

Multiplex Vocoder allows using VST/AU instruments and audio files as vocoder carrier signals to be modulated by a microphone or by another audio file.

2 | SETUP INSTRUCTIONS

MAC:
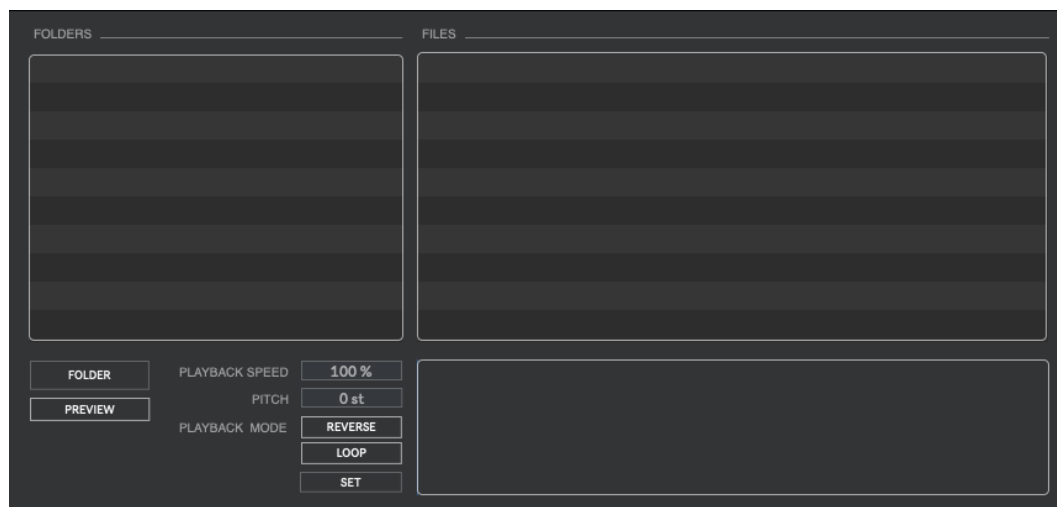Open Multiplex Vocoder 3.mpkg and follow installation steps.
Important: Please read "**Important info for Mac users**" pdf before launching this software.

WINDOWS:
Open Multiplex Vocoder 3 Setup.msi and follow installation steps.
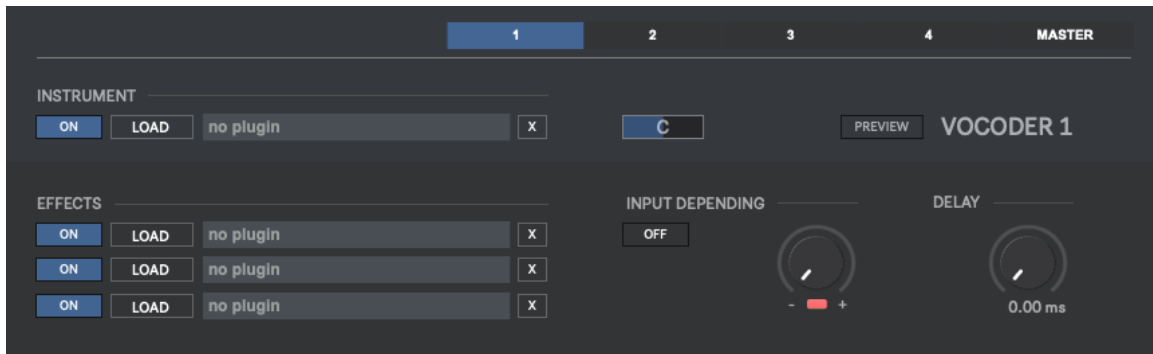
3 | SECTIONS

3.1 | FILES BROWSER

Multiplex Vocoder 3 allows processing Wav, Aiff and Mp3 audio files.

- **Folder:** Select the source files folder. Drag&drop any folder from your computer within Folders section.
- **Preview:** Preview audio files (not processed)
- **Playback Speed:** Set playback speed from 10% to 400%.
- **Pitch:** Apply pitch shifting to source files [+/- 24 semitones]
- **Reverse:** Play audio files in reverse mode, from the end to beginning.
- **Loop:** Activate/deactivate looped playback mode.
- **Set:** Select the full-length audio files for processing
- ← (Keyboard): Stop audio preview
- → (Keyboard)/spacebar: Play audio file. Also double-click on an audio file name for playback.
- **Waveform:** Select which audio region you want to process through Multiplex Vocoder. Use CMD(Mac)/CTRL(Windows) + Mouse Up/Down to zoom in/out

3.2 | VOCODERS

The vocoder sections allows using any **VST or Audio Unit** instrument as the carrier signal for the **vocoders**. There are **4 vocoder sections available**. It works as a standard vocoder, so you will not listen any sound unless you play a keyboard note (or having AutoKey mode enabled).
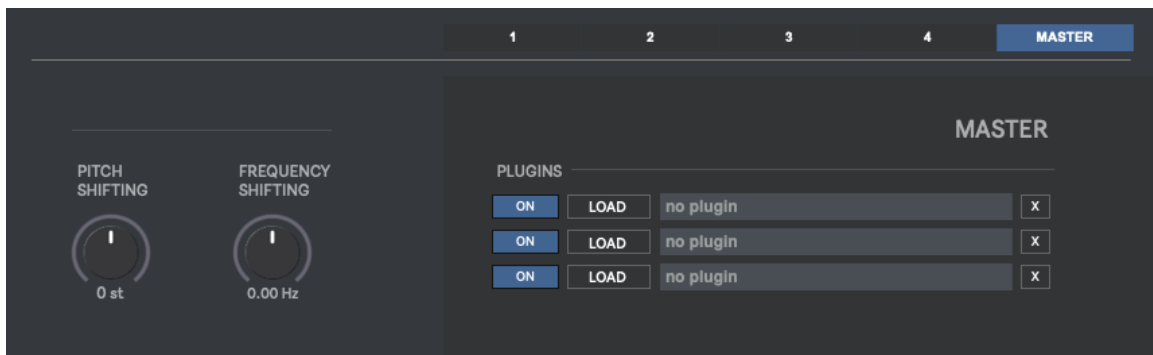
- **Load:** Select your vst/au instrument. You can also drag&drop any plugin from your computer within plugin name section.
- **View Plugin:** Click over plugin name.
- **X:** Remove plugin
- **Pan:** Pan vocoder output L/R
- **Preview:** Listen to the vocoder output before the convolution processing.

Each vocoder includes 3 vst/au effect plugin sections.

Input Depending: Allows enabling/disabling vocoder output based on the input source level. This way you can create more dynamic sounds by enabling vocoder output only when the input level is high (for instance).

Delay: Apply a delay to vocoder output signal. It allows creating more dynamic sound decays.
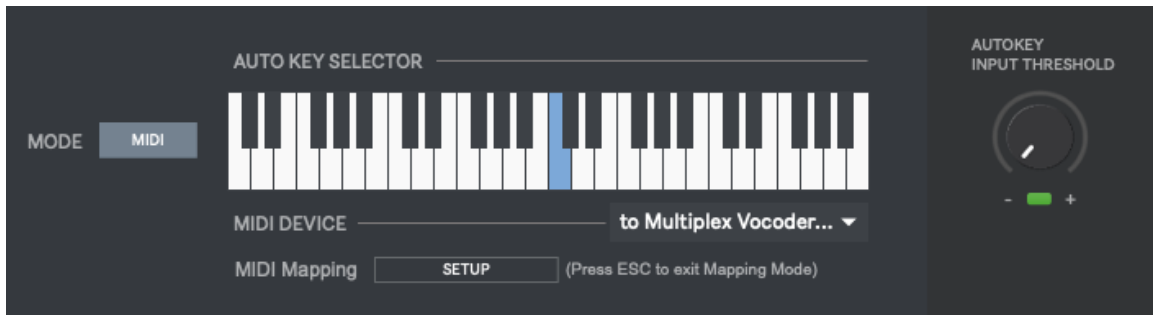
3.3 | MASTER

Master section includes Pitch Shifting, Frequency Shifting and 3 vst/au plugin sections.

3.4 | MIXER

- **Input source:** Select Microphone or Audio (files browser section) input.
- **Mix 1/2:** Send vocoders outputs to Mix 1 or Mix 2. Crossfade between both sends.
- **Dry:** Crossfade between wet/dry signal

4 | MIDI SETTINGS

In this section you can select the midi keyboard you want to use for playing the vocoders.

Modes:

- Midi: Play vocoders using your midi keyboard
- Autokey: Play vocoders without a midi keyboard, based on the selected midi key at Auto Key Selector (by default C3 is selected). The selected midi note will be played as long as input is detected.

Autokey Input Threshold: Set at which input level the autokey it`s triggered to generate sound within the vocoders. It`s a useful feature when you have some background noise and do not want this background noise to trigger the vocoders.
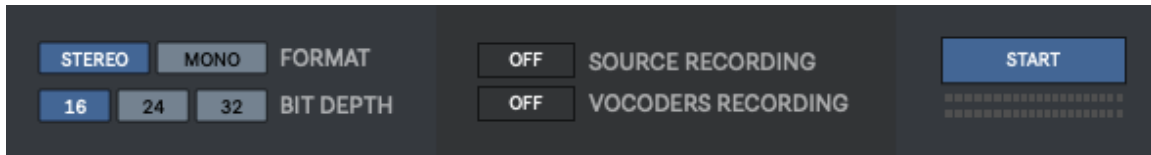
4.1 | MIDI MAPPING

You can control several controls using your midi device.

At Audio Settings window click on "**Setup**" to change to midi mapping mode. To assign midi controls just select which control you want to assign and move the desired control within your midi device. To remove a midi link just activate again midi mapping mode, right-click on the selected control you want to remove midi assign and select "Delete Mapping".

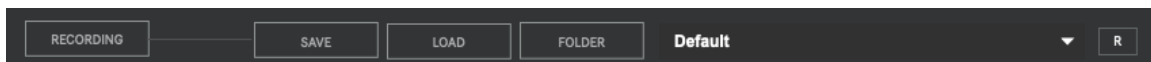Press "**ESC**" to close midi mapping mode.

5 | RECORDING

Multiplex Vocoder allows recording in mono/stereo, in wav or aiff (16/24/32Bits). Up to 192kHz (depending your soundcard).

Press "**Start**" to start recording. A pop-up window will ask you where do you want to save the files. As soon as you set the destination folder, the recording will start automatically.

- **Source Recording:** Allows recording source input on a separate audio track simultaneously.
- **Vocoder Recording:** Allows recording each vocoder output on separate audio tracks simultaneously.

6 | PRESETS MANAGER

Save and recall the wholes session data.

- **Save**: Save a preset
- **Load**: Load a preset
- **Folder**: Load a presets folder within the scroll-down menu for faster experience when working with different presets.
- **R**: Reset Multiplex Vocoder 3 to default.

7 | SHORTCUTS

CMD (mac)/CTRL (Windows) + A: Audio Settings
CMD (mac)/CTRL (Windows) + M: Midi Settings

8 | AUDIO SETTINGS

In this section you can select your audio settings. Set up your own output configuration depending your soundcard and needs at any time.

If you have audio issues (clicks/distortion/latency) try changing IO Vector Size and Signal Vector Size to lower values.

9 | SYSTEM REQUIREMENTS

Mac

Mac Intel machine running OS X 10.11.6 or later. 64 Bits. 4GB Ram Recommended

Apple M1 ARM machine running OS 11.0 or later. 64 Bits. 4GB Ram Recommended

Windows

Windows 8 or later, multicore processor. 64 Bits. 4GB Ram Recommended

THANKS FOR YOUR SUPPORT!

Technical support at
support@digitalbrain-instruments.com

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