

La Voz Cantante 6B User Manual

by Martin Vicanek



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2 Product Features

La Voz Cantante 6B comes with the following set of features:

- FFT based 1024-channel vocoder
- Stereo inputs for carrier and modulator, respectively
- Optional MIDI input to drive internal synth as carrier
- Polyphony with unlimited number of voices
- Up to three voices per note with adjustable relative detuning and stereo width
- Octave, semitone and fine-tuning controls
- Option of noise blending for improved sibilant formation
- Built-in modulator noise gate with indicator
- Built-in soft-knee compressor with color-coded LED indicator
- Built-in stereo reverb
- Master volume control with output clipping indicator
- LED indicators for inputs and outputs for quick check of signal routing

3 System Requirements

La Voz Cantante is available as a VST plug-in. You will need an audio interface and optionally a MIDI interface to communicate with the application.

La Voz Cantante will run on Windows platforms supporting both 32-bit and 64-bit Windows versions. Mac users may use them via Windows emulation software such as Windows under BootCamp or Virtual PC. The plugin version requires a host application (DAW) with a 32 bit VST compatible plugin interface, such as Reaper, Bidule, and many more.

Currently there is no 64 bit support, nor support for native Mac, Linux, or any other non- Windows platform.

4 Download and Installation

La Voz Cantante 6B is available as a software download from the URL below:

<http://vicanek.de/audioprocessing/downloads/lavozcantante6b.zip>

Installation is only a matter of extracting the files to the right place on your hard disk. No other changes such as Registry entries will be made to your system.

5 Operation

La Voz Cantante can be used for live performances as well as for studio work.

5.1 Selecting the MIDI-In and Audio interfaces

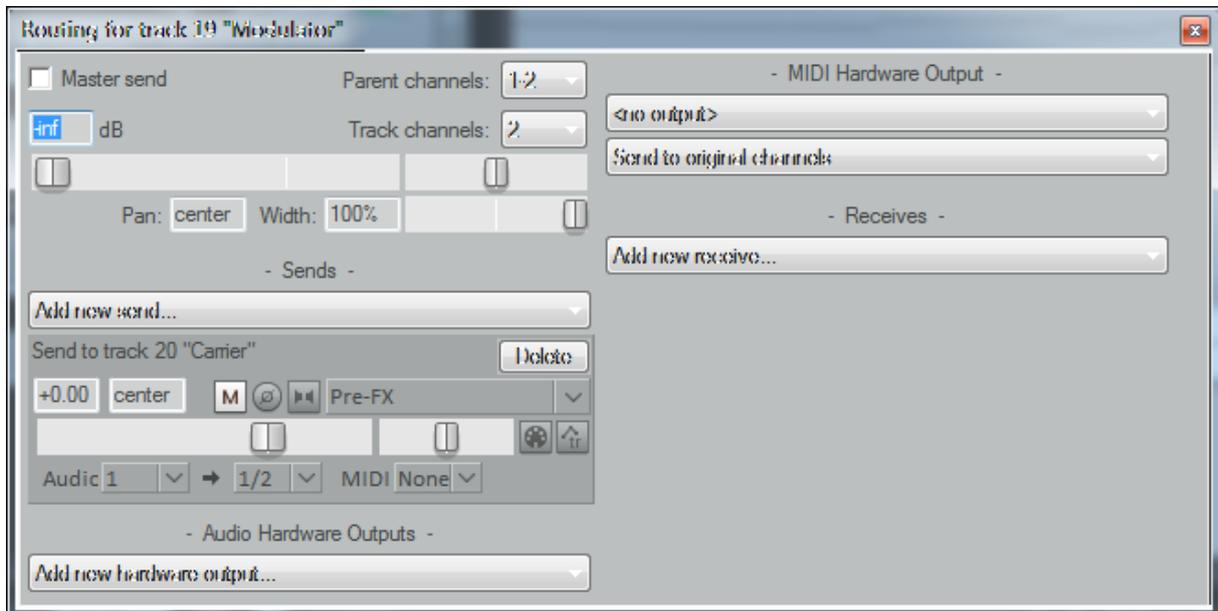
The interfaces are configured in the plugin host (usually the DAW) as general settings. Consult the corresponding manual.

5.2 Audio and MIDI Routing

To use the plugin in a DAW, you need to set up a proper signal routing. For example, in Reaper, you could set up two tracks like in the image below.



The carrier track (track 20 in my example) provides the pitch data. These can be in MIDI format if you decide to use the La Voz Cantante internal synth (as I have done in the above example), or, alternatively, you could provide audio data to the La Voz Cantante carrier input. In my example, I have placed La Voz Cantante in the effects path of the carrier track so the MIDI data may be used without any additional routing.



The modulator track (here track 19) provides the spectral envelope; usually this will be spoken or sung voice. This is routed as audio to channel 1 and 2 of the carrier track. If you want to add the track 19 audio content to the mix, you can check the Master Send box and in addition send it to track 20 "pre fader".

5.3 Input/Output LEDs

There are input/output signal indicators (LEDs) for the activity at



the carrier, modulator and MIDI inputs, respectively. These can help check the routing. There is also an output LED with a color indicating the output level (dark-green to light green for -60 dB to -6 dB, and light-green-yellow-orange-red for -6 dB to 0 dB).

5.4 Internal Synth

La Voz Cantante features a MIDI-driven internal synth to be used as the carrier. It is enabled by clicking on the blue label in the upper left corner. The pitch mapper can be used to transpose the pitch within +/- five octaves, including semitones in each octave as well as fine adjustment. The green LED activity of the synth.

In the Choir section you can select specify the amount of detuning as well as the stereo width. The Noise control to the right sets the amount of noise used to synthesize sibilants.

The Vibrato section offers controls for the depth, the speed, and a delayed onset of a vibrato. The Porta control sets the duration for a slide from the current note to the next note.



5.5 Noise Gate

Adjust the threshold control so that the unit is muted when the incoming audio level is below threshold. Enabling is via the blue frame label. The green LED will go on when the noise gate is open.



5.6 Compressor

La Voz Cantante comes with a soft-knee compressor. Click on the blue frame label to enable it. There are standard controls for makeup gain, threshold, ratio, look-ahead and release. Use to taste.



5.7 Reverb

La Voz Cantante features a stereo reverb with three controls: Use the tone control for faster decay of high frequencies, The RT60 control sets the duration of the reverb tail, and the mix control sets the reverb amount.



5.8 Master Volume

Use the master volume control to set the output level. The attached red LED indicator will flash if clipping occurs.

