Quilcom Vocoral

Design

The Quilcom Vocoral is a single purpose effects unit for multiplying a monophonic vocal input to create a 20-part stereo unison choir section with each voice panned using a 20 point location.

It’s created and tuned specifically for use on a vocal source, but if used with instruments the results can also be interesting.

For multiple vocal sections, for example with harmonies, it’s important to stress that you need one plugin instance per vocal stem, rather than use one plugin on a mix of vocals. This approach gives a much cleaner and realistic sound.

A simple optional reverb is available to add space to the overall sound.

Operation

The input is mono so check your DAW routing. It’s best to put the Vocoral at the end of any vocal pitch correction, compression and effect processing chain but before reverb (if not using the in-built one). The output is stereo.

Since the effect is pre-tuned there are few controls. The diffusion knob can add a subtle thickening to the choir effect. The width knob sets the stereo field span; fully anticlockwise gives a monophonic centred output and this can be increased to super-wide. Next along is a simple reverb section to add real space and this can be bypassed with the blue LED switch. In bypass mode the reverb will not use CPU. The Dry-Wet knob blends between the mono input and the choir effect (including the reverb which has its own dry-wet mix knob). There is output volume control and finally the effect can be bypassed to compare with/without, and when bypassed there is no CPU used.