

Dimensions brings studio-quality stereo chorus effects to the Eurorack format. Dimensions has two modes of operation with a common set of control knobs and CV inputs. The first mode is a direct copy of our popular Fluid plug-in, using a complex network of five modulated delays and four fixed delays. The second mode pays homage to this module's famous namesake

but expands upon the vintage architecture with a total of six modulated delays and a dash of secret Audio Damage sauce. Either mode provides results range from subtle enhancement and thickening to dense ambient textures. Dimensions has true stereo processing but also switches automatically between mono-in/mono-out and mono-in/stereo-out modes.

Control-Voltage Jacks

Control voltages present at the jacks are added to the values set with the knobs. Positive voltages have the same effect as rotating the corresponding knob clockwise; negative voltages have the same effect as rotating the knob anti-clockwise.

The influences of the knobs and their corresponding jack are cumulative. For example, if you turn a knob all the way clockwise and apply -5V to the corresponding jack, you'll hear the same thing as you would if you left the knob at its center position and didn't plug anything into the jack.

The useful range of voltage for the CV jacks is $\pm 5V$. Voltages outside of this range won't harm anything.

Audio Inputs and Outputs

The audio goes in and out of these jacks. The hardware will be happiest if the input signal level is within $\pm 7V$. For mono-in/mono-out use, plug cables into the **LEFT/MONO** input and output jacks. For mono-to-stereo processing, use the **LEFT** input and both output jacks. Dimensions is at its best when both of its inputs and outputs are used, even if the two input signals are only slightly different.

MODE Switch

This switch selects one of two processing modes, **A** and **B**. **Mode A** uses the configuration from our Fluid chorus plug-in, and generally produces more dramatic effects than **Mode B**. **Mode B** excels as a subtle enhancement, adding breadth and movement without obscuring the original sound. As such, when

Knobs

The **RATE** knob controls the speed of the modulation oscillators. Use slow rates to create wide stereo chorusing effects without an obvious modulation, and fast rates for a more "processed" sound. At high settings of **RATE** and **DEPTH**, Dimensions can create strange pitch-modulation (vibrato) effects.

The **DEPTH** knob determines how much the delays within Dimensions are modulated. If this knob is rotated fully anti-clockwise, the delays are not modulated at all and Dimensions creates a static-sounding short-delay effect. As you rotate this knob clockwise Dimensions comes to life as the LFOs vary the lengths of its delays. The further you rotate this knob the more the delays are changed. You will often find that the **DEPTH** and **RATE** knobs need to be adjusted together since their individual influences are interdependent to some extent. For instance, you may find that decreasing the **RATE** when you increase the **DEPTH** produces a better sound.

The **FEEDBACK** knob causes some amount of Dimension's processed signal to be fed back into its network of delays. Feedback is not a control commonly found on chorus effects but Dimension has one to increase its range of possibilities. Rotating the knob clockwise increases the amount of feedback signal. High settings can create something akin to a bunch of flangers running in parallel.

The **MIX** knob controls the relative amounts of the original, unprocessed (dry) signal and the processed (wet) signal in the output. Use this knob to control the overall amount of the chorusing effect. If the knob is rotated all the way to the left, you'll hear only the dry signal; if it's rotated all the way to the right, you'll hear just the processed signal. Often a setting near the center position is about right.

using **Mode B**, turning up the knobs just a little from their fully anti-clockwise position may produce the best results. However, chorus effects depend very much upon the the sound and the context, so always try both modes and a wide range of knob settings.



Specifications

Dimensions:
6HP panel width
25mm depth

Power:
40mA @ +12V
9mA @ -12V

Audio Conversion:
24 bit sampling resolution
48KHz sampling rate

Signal Processing:
32-bit floating point

Support

Need help? We're here for you. Email us at info@audiodamage.com.

Warranty

All of our hardware products are covered by a lifetime warranty. If it breaks during more or less normal usage, we'll fix it. If *you* break it by subjecting it to obvious abnormal abuse, we'll probably still fix it, but we may ask to negotiate a repair fee. In other words, we stand by our stuff but expect you to treat it (and us) in a reasonable manner.



AUDIO
DAMAGE

Assembled in USA from US and foreign components.

Revision 1.0

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