

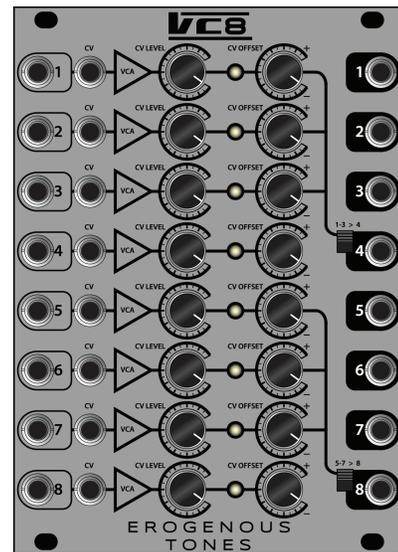
# EROGENOUS TONES

## VC8

### 8xVCA/2xSubMix

To get you started, here is a quick rundown of the functions. For the latest information, visit our website at: <http://erogenous-tones.com>

VC8 was designed to be a high density octal VCA providing sub-mix options and positive or negative offset capabilities.



With the switches in the DOWN position, each output corresponds to the same numbered input. With nothing attached to the CV jack, the CV LEVEL control is not used, instead the CV OFFSET is used. Turning the CV OFFSET till the indicator is straight upward will open up the VCA to the same level as the input. Negative CV OFFSET values when using no CV input will leave the VCA off.

To use a modulation source, like an envelope, apply to the CV input. The CV LEVEL is designed to handle opening the VCA up fully with signals as low as +5V peak. Use the CV LEVEL to adjust the amount you want to open the VCA relative to the modulation source level. The CV OFFSET can be used to modify the CV LEVEL, which does so by adding to its value. Positive values work like a BIAS control seen on traditional VCAs which can open up a VCA so the starting point is some level of already being on. Using negative values for the CV OFFSET pushes the CV LEVEL negative changing the point at which the VCA will open. In other words, the CV LEVEL has to pass the negative CV OFFSET value before the VCA will open up.

VC8 also allows you to create two VCA controllable sub-mixes. To turn on the sub mix capability, use the switches at the output of channel 4 and/or channel 8. When engaged, channel 4 will output channels 1,2 and 3. Likewise, channel 8 will output channels 5,6 and 7. When using the individual outputs 1, 2, 3, 5, 6, or 7 they will NOT be removed from the sub-mix. If you are not using a CV modulator on channels 4 or 8 when using the sub-mix capability, the CV OFFSET and CV LEVEL work the same as the other channels. With no CV LEVEL applied use the CV OFFSET in the positive direction to open up the VCA for the sub-mix.

When using the sub-mix capability, the channel 4 and/or channel 8 input is not used.