

The Parameters of the 505

The 505 is a module equipped with two VCFs and two VCAs.

The two VCFs are the VCF1 multi-mode filter (LPF, BPF, HPF) and the VCF2 BPF.

By setting the switches located in the upper part of the panel, you can specify either VCF1, VCF2, or a mix of both as the signal that is input to each VCA.

SIG IN 1/2

These jacks input audio signals.
The signals of both SIG IN1 and 2 are input to both VCF1 and VCF2.

MOD IN KEY/FREQ

This jack inputs a voltage that controls the cutoff frequency of the VCF.

MOD IN RES

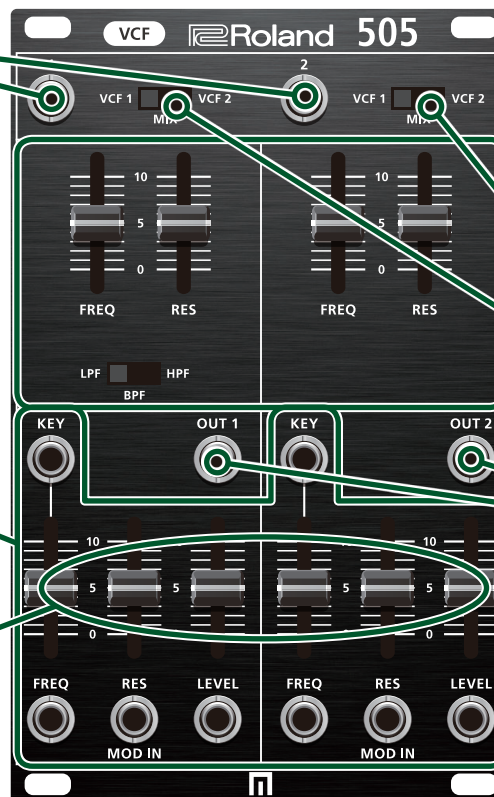
This jack inputs a voltage that controls the resonance of the VCF

MOD IN LEVEL

This jack inputs a voltage that controls the volume of the VCA.

CV input attenuator

These sliders adjust the gain of the voltages that are input from the MOD IN FREQ/RES/LEVEL jacks.
If nothing is connected to the LEVEL jack, 12V is supplied to LEVEL, allowing it to adjust the output volume from the OUT jack.-



FREQ (Cutoff frequency)

This slider adjusts the cutoff frequency of the filter.

RES (Resonance)

This slider boosts the frequency region near the cutoff frequency.

VCF1 MODE SW

This switch selects either LPF, BPF, or HPF as the filter type for VCF1.

OUTPUT SELECT SW

These switches select the signals that are output from the OUT jacks. The signals that you select here are output after passing through the VCA.

OUT 1/2

These are the output jacks. Each jack outputs the signal from the corresponding VCF as selected by the OUTPUT SELECT SW and processed through the VCA.

Block Diagram

