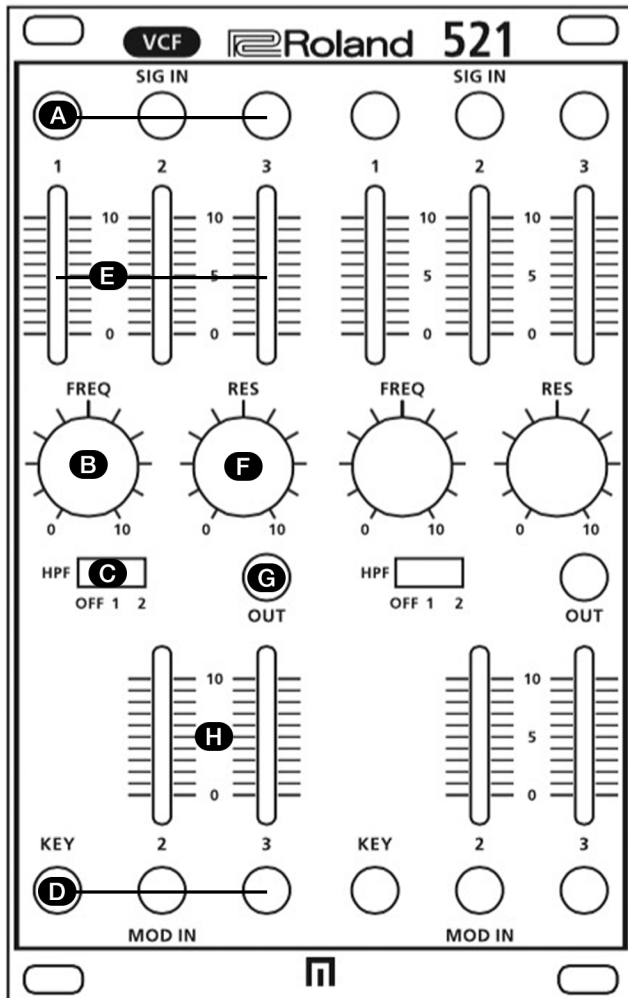


# ROLAND SYSTEM-500 MODULE 521

## DUAL VOLTAGE CONTROL FILTER

The 521 Dual VCF (voltage controlled filter) module features two separate low pass filters for modifying the timbre of audio sources. Each filter has its own dedicated controls for frequency cutoff, resonance, and a fixed high pass filter with two switchable cutoff points. Audio and CV input mixers on each channel allow the blending of multiple audio signals and modulation sources.



**A** SIG IN 1/2/3  
These jacks input audio signals.

**B** CUTOFF FREQUENCY  
Adjusts the cutoff frequency of the filter (Low Pass Filter).

\* At a setting of 10, the original waveform passes through without change. As you lower the value, less of the high-frequency region passes through.

**C** HIGH PASS FILTER  
Adjusts the cutoff frequency of the HPF (High Pass Filter).

\* At the OFF setting, the original waveform passes through without change. As you raise the setting to 1 or 2, the cutoff frequency rises, allowing only the high-frequency portion of the signal to pass through.

**D** MOD IN KEY  
These jacks input a voltage that controls the VCF color.

**E** SIG IN LEVEL CONTROLS  
These sliders adjust the level of the signals that are input from the SIG IN jacks.

**F** RESONANCE  
Boosts the frequency components in the region of the cutoff frequency.

\* By raising the resonance you can make the VCF oscillate. You can use this as an audio source for sound effects, or use KYBD CV to control the VCF and play pitches from the keyboard.

**G** OUT  
These are output jacks. These jacks output the signal from the VCF.

**H** ATTENUATOR FOR CV INPUT  
These sliders adjust the gain of the voltage that is input from the MOD IN KEY/2/3 jacks

### SPECIFICATIONS CONTROLLERS

SIGNAL IN 1 SLIDER  
SIGNAL IN 2 SLIDER  
SIGNAL IN 3 SLIDER  
MODULATION IN 2 SLIDER  
MODULATION IN 3 SLIDER  
HPF SWITCH

POWER SUPPLY  
CURRENT DRAW

### ACCESSORIES

### CONNECTORS

FREQUENCY KNOB  
RESONANCE KNOB  
SIGNAL IN 1 JACK  
SIGNAL IN 2 JACK  
SIGNAL IN 3 JACK  
OUT JACK

KEY IN JACK  
MODULATION IN 2 JACK  
MODULATION IN 3 JACK  
EURORACK POWER

40 MA (+12 V)  
40 MA (-12 V)  
OWNER'S MANUAL  
LEAFLET "USING THE UNIT SAFELY"  
EURORACK INSTALLATION SCREWS  
EURORACK POWER CABLE)