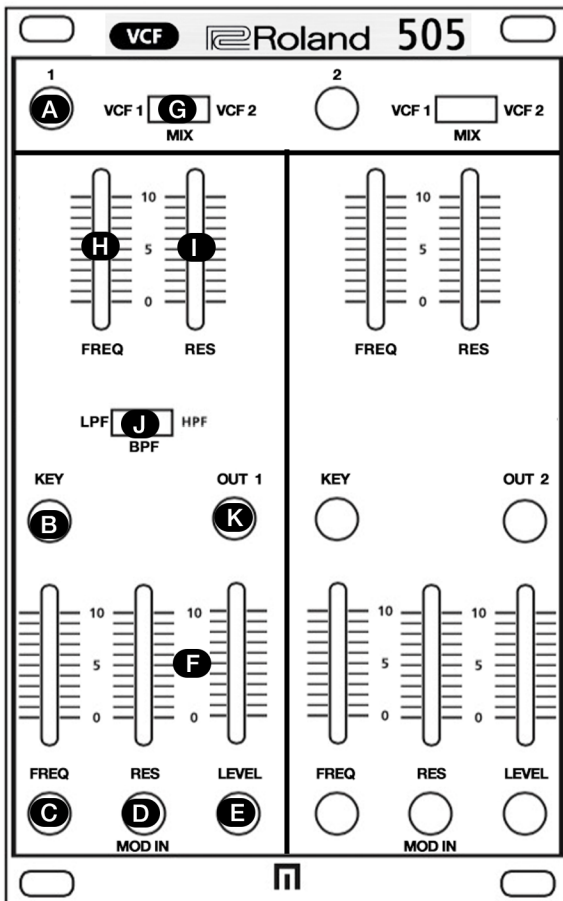


ROLAND SYSTEM-500 MODULE 505

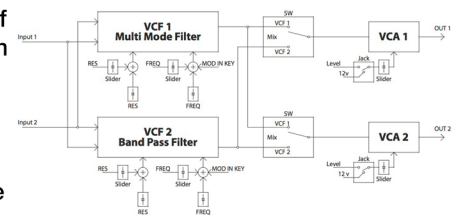
DUAL VOLTAGE CONTROL FILTER

Inject the sound of the Roland SH-5's revered filter section into your modular rig. The Roland SH-5 is one of the most sought after monosynths in history. Its dual architecture was deep and sounded massive. It also happened to have one of the most distinguished filters of any monosynth in history. Combining a multi-mode filter with a band-pass filter, it produced a sound that has propelled it to "favorite filter ever" territory.



- A** SIGNAL IN 1/2
These jacks input audio signals. The signals of both SIG IN1 and 2 are input to both VCF1 and VCF2.
- B** KEY FREQUENCY
This jack inputs a voltage that controls the cutoff frequency of the VCF. Keying it to 1v/Oct for scaled filter response.
- C** MOD INPUT FREQUENCY
This jack inputs a voltage that controls the cutoff frequency of the VCF.
- D** MOD INPUT RESONANCE
This jack inputs a voltage that controls the resonance of the VCF.
- E** MOD INPUT LEVEL
This jack inputs a voltage that controls the volume of the VCA.
- F** CV INPUT ATTENUATORS
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.
- G** OUTPUT SELECT SWITCH
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.
- H** CUTOFF FREQUENCY
This slider adjusts the cutoff frequency of the filter.
- I** RESONANCE
This slider boosts the frequency region near the cutoff frequency.
- J** VCF 1 MODE SWITCH
This switch selects either LPF, BPF, or HPF as the filter type for VCF1.
- K** VCF 1 MODE SWITCH
This switch selects either LPF, BPF, or HPF as the filter type for VCF1.

BLOCK DIAGRAM



SPECIFICATIONS

CONTROLLERS

VCF SELECT SWITCH (1, 2)
FREQUENCY SLIDER (1, 2)
RESONANCE SLIDER (1, 2)
FILTER TYPE SWITCH
MOD IN FREQ SLIDER (1, 2)
MOD IN RES SLIDER (1, 2)
MOD IN LEVEL SLIDER (1, 2)

CONNECTORS

SIGNAL IN JACK (1, 2)
KEY IN JACK (1, 2)
OUT JACK (1, 2)
MOD IN FREQ JACK (1, 2)
MOD IN RES JACK (1, 2)
MOD IN LEVEL JACK (1, 2)

POWER SUPPLY

CURRENT DRAW

ACCESSORIES

EURORACK POWER

85 MA (+12 V)

90 MA (-12 V)

OWNER'S MANUAL

LEAFLET "USING THE UNIT SAFELY"

EURORACK INSTALLATION SCREWS

EURORACK POWER CABLE