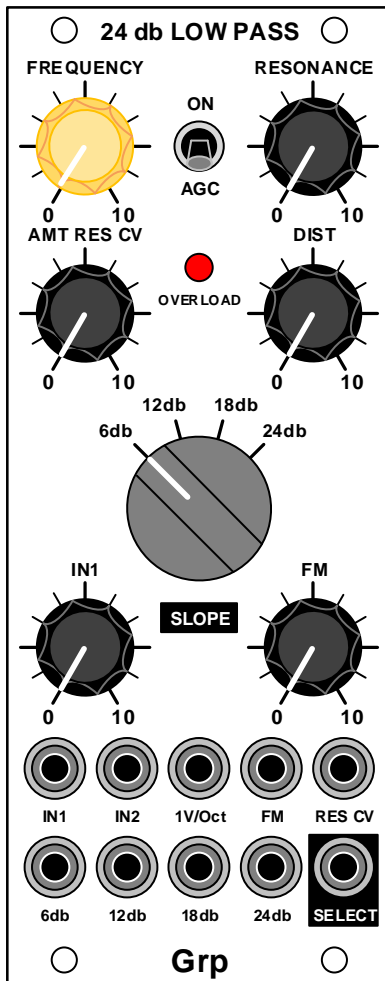


Grp Synthesizer P03 – VCF 24 dB



Transistor Ladder Filter w 1-4 poles LP and SELECT aux out
Two audio in (one adj) and two CV In (one adj)
Cutoff, Res, w Automatic Gain Change and ext CV in
Distortion, Amt Res CV In

Panel Width: 10 HP

+12V = 90mA

-12V = 60mA

+5V = 0mA

CONTROLS

FREQUENCY: Cutoff Frequency of the Filter

RESONANCE: Resonance

AGC: Automatic Gain Compensation On/Off. For taming extreme level variations at high Resonance positions

AMT RES CV: Amount of ext CV connected at RES CV input port for Resonance control

OVERLOAD LED: lights when audio signal goes too high

DIST: amount of distortion

SLOPE: selection of filter slope (6, 12, 18, 24 dB/Oct). Selected Slope appears at SELECT out port

IN1: level attenuator for audio signal connected at IN1 port (signal at IN2 port goes always at full level unattenuated)

FM: attenuator for ext CV signal connected at FM input port

CONNECTIONS

IN1: audio input signal 1, scalable w. IN1 control

IN2: full range, unattenuated, audio input signal 2

1V/OCT: unattenuated, 1V/Oct CV input for ext keyboard or sequencers

FM: audio/CV input signal, scalable w. FM control for Cutoff Frequency modulation

RES: CV input signal for Resonance modulation

6dB: audio out for 1-pole low pass filtered signal

12dB: audio out for 2-pole low pass filtered signal

18dB: audio out for 3-pole low pass filtered signal

24dB: audio out for 4-pole low pass filtered signal

SELECT: audio out for filtered signal w. steepness selected thru SLOPE switch