



AS Synthesizers AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module User Manual

[Home](#) » [AS Synthesizers](#) » AS Synthesizers AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module User Manual 

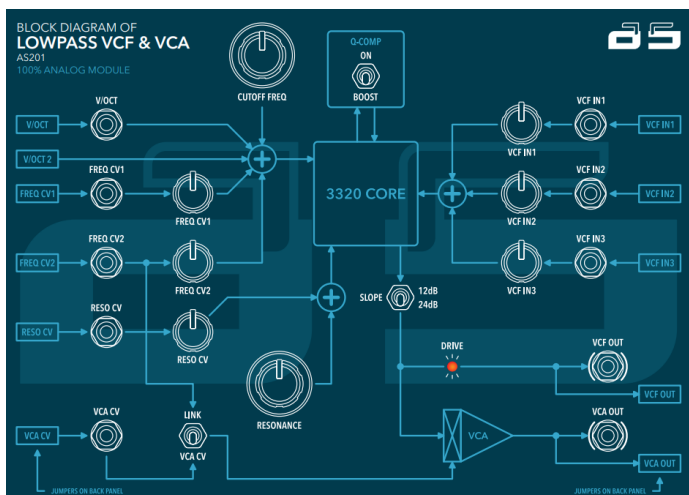
Contents

- [1 AS Synthesizers AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module User Manual](#)
- [2 BLOCK DIAGRAM OF LOWPASS VCF & VCA](#)
- [3 100% ANALOG MODULE](#)
- [4 LOWPASS VCF & VCA](#)
- [5 TECHNICAL SPECIFICATION:](#)
- [6 Read More About This Manual & Download PDF:](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)

AS Synthesizers AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module User Manual



BLOCK DIAGRAM OF LOWPASS VCF & VCA



100% ANALOG MODULE

1. V/OCT CV input, range: 0V to +10V,
2. FREQ CV1 input, range: -10V to +10V
3. FREQ CV2 input, range: -10V to +10V
4. RESO CV input, range: 0V to +10V,
5. VCA CV input, range: 0V to +10V
6. VCF audio in 1, level: 10Vpp
7. VCF audio in2, level: 10Vpp
8. VCF audio in 3, level: 10Vpp
9. VCF audio out
10. VCA audio out

11. Freq CV1 depth: 0 to 100%
12. Freq CV2 depth: 0 to 100%
13. Reso CV depth: 0 to 100%
14. Level of VCF audio in 1: 0 to 100%
15. Level of VCF audio in 2: 0 to 100%
16. Level of VCF audio in 3: 0 to 100%
17. Cutoff freq potentiometer
18. Resonance potentiometer
19. VCF slope switch
20. VCF drive indicator
21. Q compensatin switch
22. FREQ CV2 to VCA CV switch



BACK PANEL OF

LOWPASS VCF & VCA

AS201 100% ANALOG MODULE

1. Power bus connector IDC10
2. Initial tune
3. V/OCT scale trim
4. Multimeter probe pins
5. CV inputs from internal rails
6. VCF inputs from internal rails When no use of input pins, connect jumper between input and GND also between V/OCT IN and V/OCT REF pins

7. VCF & VCA outputs to internal rails Do not use jumpers on output

pins, also do not connect to ground or power rails!

TECHNICAL SPECIFICATION:

Module depth: 33mm

Module width: 16HP (80.4mm) Module weight: 215g

Connector type: 10P IDC Eurorack Power consumption:

+12V / 60mA & 12V / 50mA

Audio in & out: HQ Audio Audio in & out range: 10Vpp

CV inputs: 0V to +10V or -5V to +5V

CALIBRATION: The best results for filter range, the voltage on "SCALE" probe should be maintained -25mV and +155mV

This voltage difference is 180mV

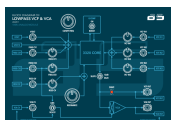
1. Turn down all knobs into fully CCW position, disconnect cables from V/OCT Take care of the jumper to be connected between V/OCT IN and V/OCT REF pins on backside of the module
2. Power on your modular system, and wait a few minutes for warm up
3. Connect multimeter's GND probe to any GND pin, or Next, connect multimeter's positive probe to "SCALE" probe
4. Turn Cutoff Freq knob into fully CCW position, measure +155mV
5. Turn Cutoff Freq knob into fully CW position, measure -25mV
6. In case you see different value, then turn "SCALE" trimmer until voltage difference between full CCW and full CW becomes 180mV
7. Now turn "INIT" trimmer until measure +155mV at full CCW of Cutoff Freq knob, and -25mV at full CW,

Enjoy



Read More About This Manual & Download PDF:

Documents / Resources



[AS Synthesizers AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module](#) [pdf]
] User Manual

AS201 Lowpass VCF and VCA Analogue Filter and Amplifier Module, AS201, Lowpass VCF and VCA Analogue Filter and Amplifier Module, Filter and Amplifier Module, Amplifier Module

References

- [User Manual](#)