

# OWNER'S MANUAL of ASR211 MULTIMODE VCF & VCA



A modern, universal multimode VCF and VCA combined in a single module, featuring an integrated mixer and overdrive functionality. Four selectable filter modes are available: 4-pole low-pass, 2-pole low-pass, 2-pole band-pass, and 2-pole high-pass.

In low-pass modes, Q-compensation is not only switchable but also adjustable, allowing you to fine-tune how much low-frequency content is restored after resonance boost.

For filter frequency control, in addition to a switchable V/OCT input (OFF / 1/2 / FULL tracking), there are three individually controllable frequency modulation inputs:

FCV1 directly modulates the filter. FCV2 has a selectable modulation source: it can be the FCV2 input, the audio signal before the VCF (from the mixer), or the audio signal after the VCF. FCV3 also directly modulates the filter, but can be switched so that the incoming ENV signal controls the post-filter VCA. The VCA also has its own dedicated CV input.

Additionally, there is a controllable RESO CV input for resonance modulation.

The VCF features three controllable audio inputs. The pre-filter mixer stage can be overdriven, indicated by an LED – this results in an overdrive effect inherent to the mixer's design.

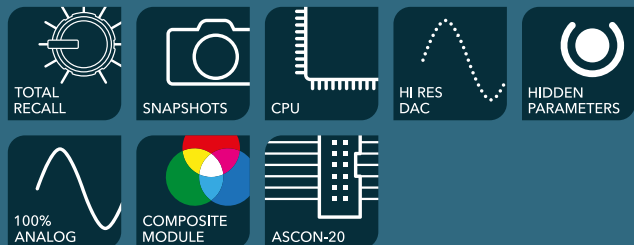
The module provides separate outputs for the VCF, as well as both input and output for the VCA.

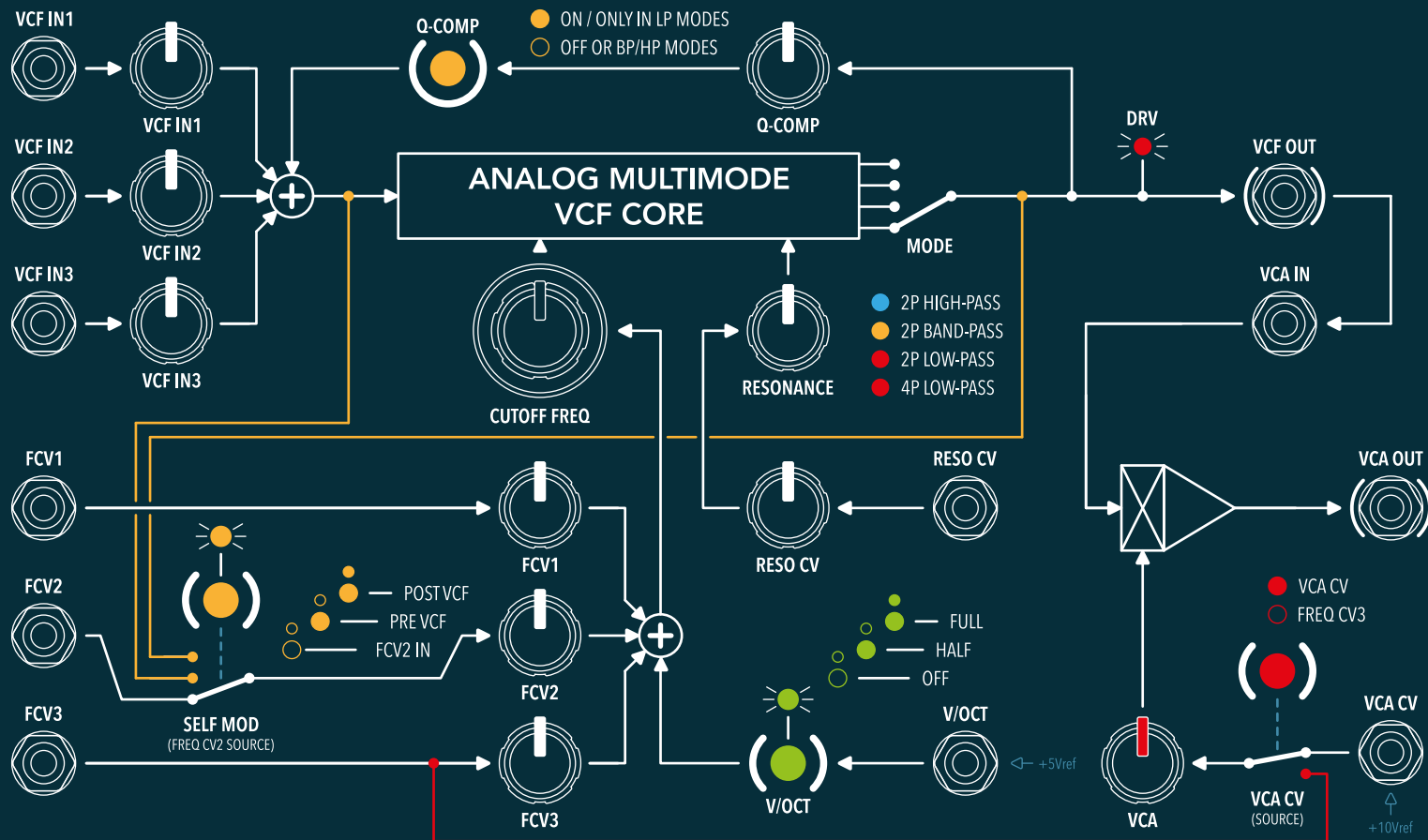
## Hidden Parameters of MULTIMODE VCF & VCA

This menu contains calibration parameters for filter resonance:

Reso level of 4PLP, 2PLP, 2BPB, 2PHP

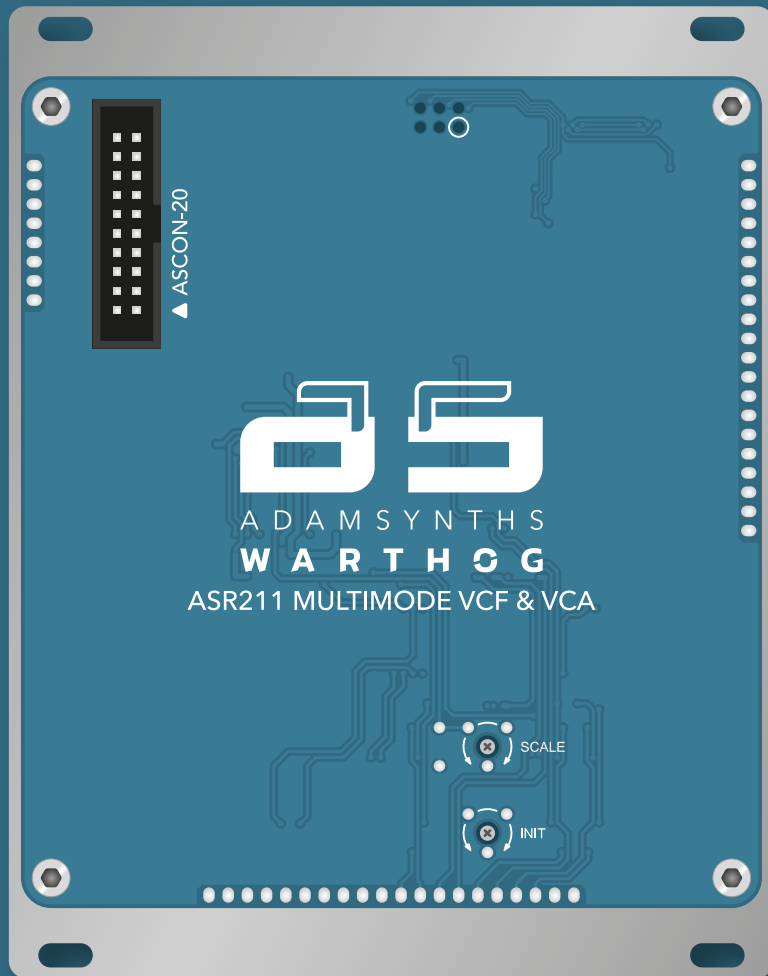
## Features:







Recommended signal level for VCF IN1 & IN2 & IN3: 10Vpp.



## BACK PANEL of ASR211 MULTIMODE VCF & VCA



Power Consumption: -12V / N/A mA, +12V / N/A mA, +5V1 / N/A mA, +5V2 / N/A mA,  
System Connector: ASCON-20 (Use only Adamsynths ASR-PSU & ASR-RAILS for this module.)  
Module Dimension: 20HP / Depth: 33mm, Module Weight: N/A g

### SAFETY AND WARRANTY GUIDELINES

Please follow the instructions below regarding the use of Adamsynths™ devices, as only these ensure proper operation and the validity of the Adamsynths™ warranty.

- Use Adamsynths™ modules exclusively with the power supply (ASR-PSU) and rails (ASR-RAILS) provided with the Adamsynths™ system. Using power supplies or rails from other manufacturers may result in malfunction or permanent damage.
- No liquid substances (such as water or alcohol) or solid, conductive materials may enter the Adamsynths™ modules, as these may cause electrical short circuits or permanent damage. If this occurs, immediately disconnect the device from power and contact us via the SUPPORT page at [www.adamsynths.com](http://www.adamsynths.com).
- Never attempt to repair the device or modify, delete, or hack the control firmware or software, as these actions will result in immediate loss of warranty.
- Do not expose Adamsynths™ modules to temperatures above +40°C or below -10°C. If the device has been transported at a temperature lower than room temperature, allow it to acclimate until all moisture has evaporated. This may take several hours. Only then should you connect it to power and begin operation.
- Always transport Adamsynths™ modules with care. Never allow them to fall or tip over. The warranty does not cover visually damaged products.
- Modules must be transported only in their original packaging. Products returned for replacement and/or warranty repair must be sent in their original packaging. All other shipments will be rejected and returned to you. Please ensure you retain the original packaging and technical documentation.

Adamsynths™ modules may become warm during several hours of operation – this is normal and not a cause for concern.

**CLEANING AND MAINTENANCE:** Clean the device daily. Always use a dusting brush and a soft, dry or slightly damp, non-abrasive cloth. Then wipe the device with a soft, dry cloth. Never use alcohol, benzene, thinner, acetone, or other solvents, nor alkaline or acidic cleaning agents, as these may cause discoloration or deformation.

**WASTE DISPOSAL:** Adamsynths™ devices comply with EU directives and are manufactured without the use of lead, mercury, cadmium, or chromium. They meet RoHS requirements. Nevertheless, these products are considered special waste and should not be disposed of with household waste.

Copying, distributing, or using the user manual for any commercial purpose is strictly prohibited and requires written permission from Adamsynths™. Specifications are subject to change without prior notice.

If you have any questions, feel free to contact us via the SUPPORT page at [www.adamsynths.com/support](http://www.adamsynths.com/support)

Detailed safety and warranty information is available at [www.adamsynths.com/support](http://www.adamsynths.com/support).

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