

OWNER'S MANUAL of ASR311

DUAL VC ENV



A single module combining an ADSR and a DADSR-type, CV-controllable envelope generator. The envelope generators operate in either GATED or TRIGGERED mode, which determines LEGATO or STACCATO playing behavior.

- Gated - The envelope remains active as long as the gate signal is held. In legato playing, it does not retrigger.
- Triggered - The envelope restarts with every new note, regardless of the gate signal state.

Both generators offer selectable linear or exponential curve shapes. Each envelope has separate GATE and TRIG inputs, which can be linked.

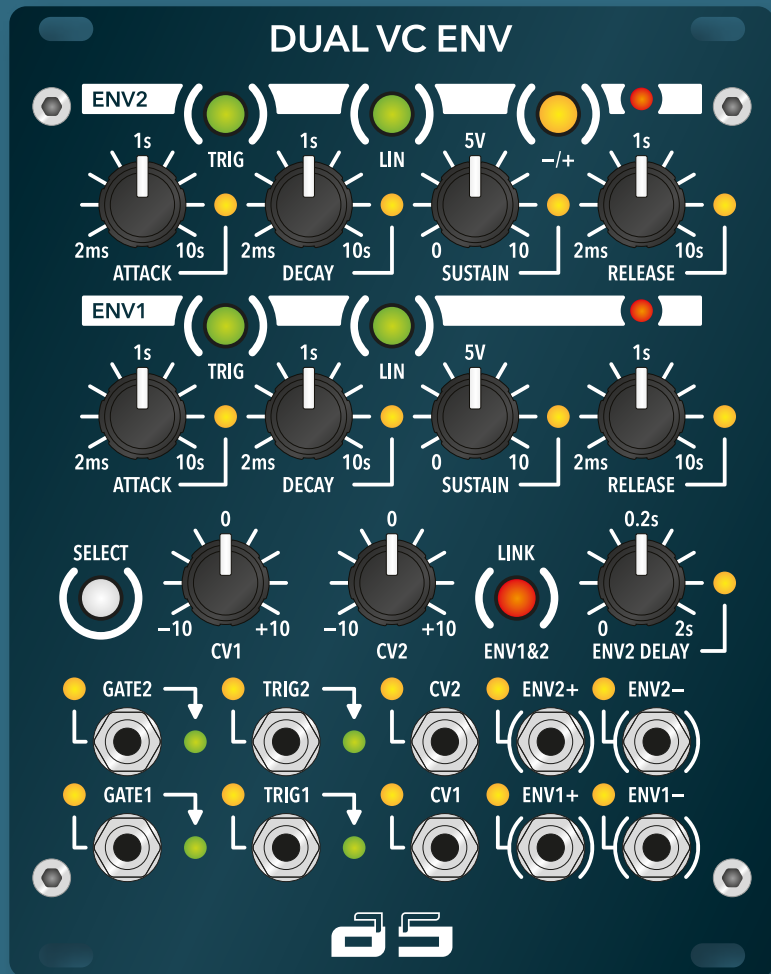
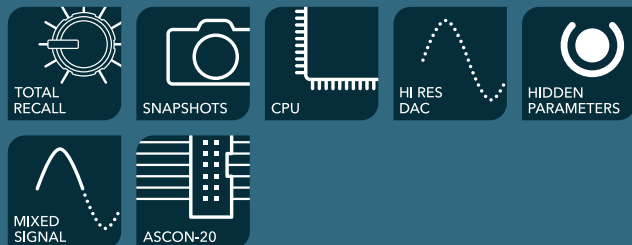
The second envelope, of the DADSR type, can be delayed between 0 and 2 seconds, and its output can be switched from 0-10 V to ± 5 V. The first envelope has a default output range of 0-10 V, and both envelopes feature inverted outputs.

Attack, Decay, and Release times are adjustable between 2 ms and 10 s, while the Sustain level ranges from 0 to 10 V.

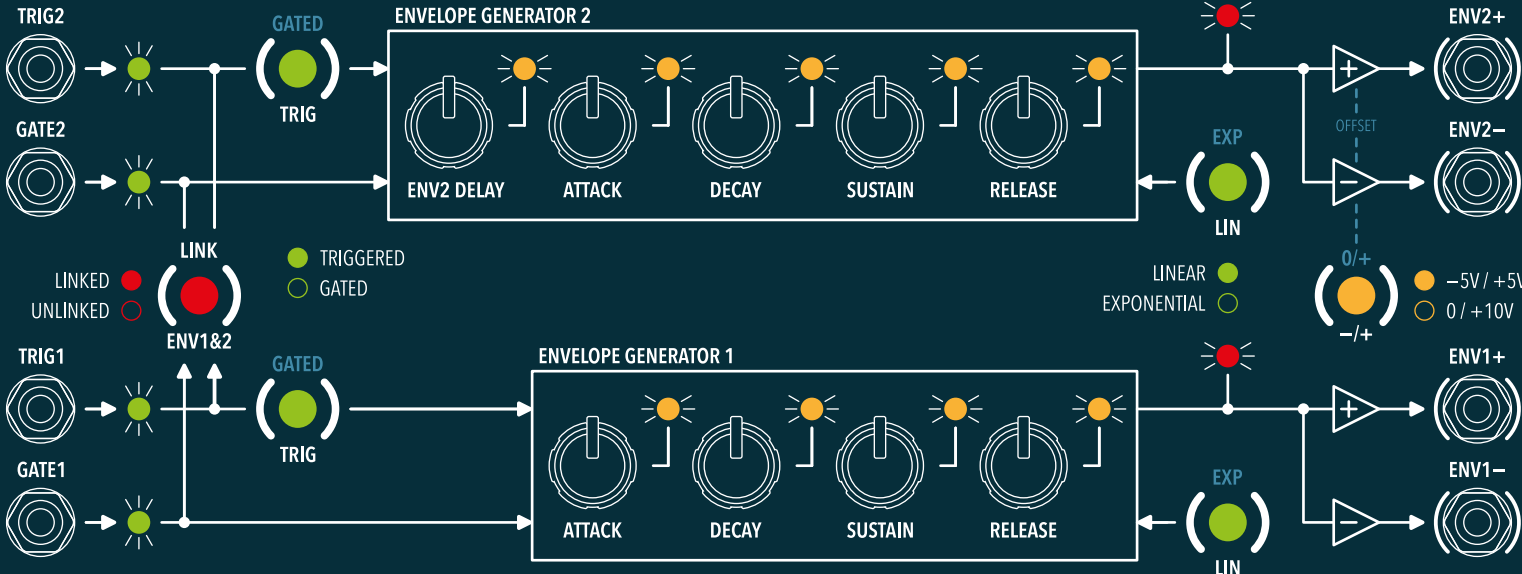
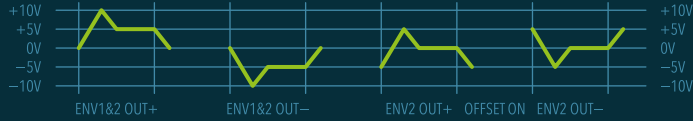
The Dual VC ENV module features two independent, assignable CV inputs that can be mapped to various parameters via the Hidden Parameters menu.

- ENV1: ATTACK, DECAY, DECAY & RELEASE, SUSTAIN, RELEASE, OUTPUT LEVEL
- ENV2: ATTACK, DECAY, DECAY & RELEASE, SUSTAIN, RELEASE, OUTPUT LEVEL

Features:



BLOCK DIAGRAM of ASR311
DUAL VC ENV



CV1

CV1

CV1 TARGETS IN HIDDEN PARAMETERS	
ENV1 - ATTACK	ENV2 - ATTACK
ENV1 - DECAY	ENV2 - DECAY
ENV1 - DEC & REL	ENV2 - DEC & REL
ENV1 - SUSTAIN	ENV2 - SUSTAIN
ENV1 - RELEASE	ENV2 - RELEASE
ENV1 - LEVEL	ENV2 - LEVEL

CV2

CV2

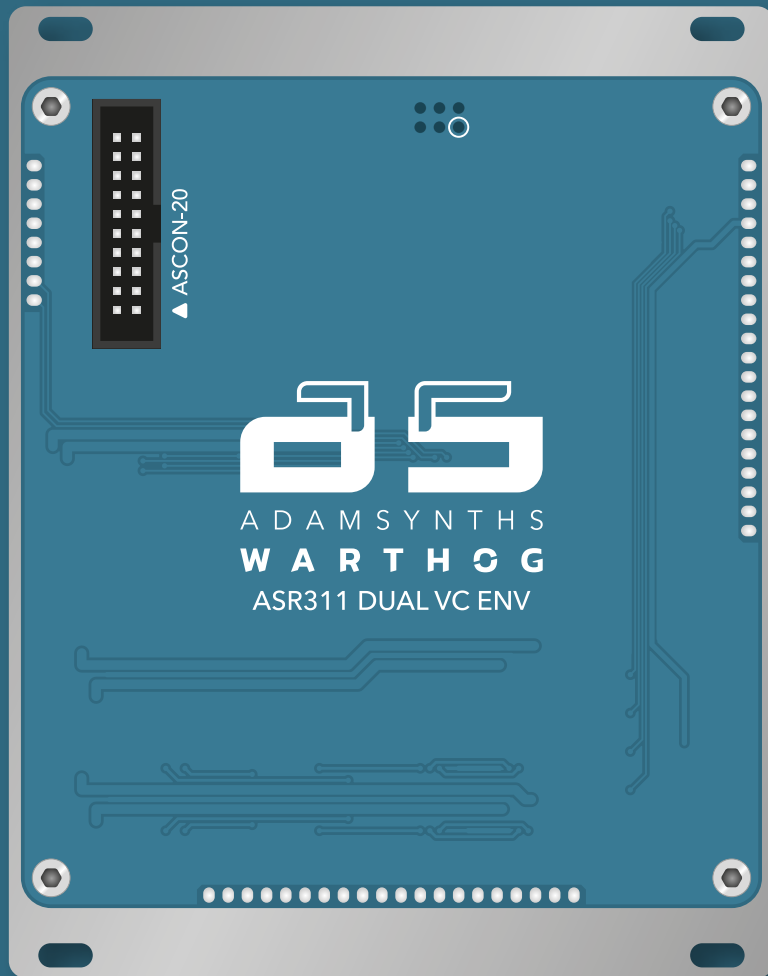
CV2 TARGETS IN HIDDEN PARAMETERS	
ENV1 - ATTACK	ENV2 - ATTACK
ENV1 - DECAY	ENV2 - DECAY
ENV1 - DEC & REL	ENV2 - DEC & REL
ENV1 - SUSTAIN	ENV2 - SUSTAIN
ENV1 - RELEASE	ENV2 - RELEASE
ENV1 - LEVEL	ENV2 - LEVEL

FRONT PANEL of ASR311 DUAL VC ENV



- ENV1 Gate Input (TTL) & Indicator
 - ENV1 Trig Input (TTL, min. 1ms) & Indicator
 - ENV2 Gate Input (TTL) & Indicator
 - ENV2 Trig Input (TTL, min. 1ms) & Indicator
 - Link Envelopes
(Gate 1 to Gate 2 & Trig 1 to Trig 2)
 - CV1 Input (-5V to +5V) & Ammount (-100% to +100%)
 - CV2 Input (-5V to +5V) & Ammount (-100% to +100%)

Targets of CV Inputs accessible in Hidden Parameters
 - ENV1 Positive Output (0V to +10V)
 - ENV1 Negative Output (0V to +10V)
 - ENV2 Positive Output
(0V to +10V / -5V to +5V)
 - ENV2 Negative Output
(0V to +10V / -5V to +5V)
 - ENV1 Mode (Triggered / Gated)
 - ENV1 Curve (Exponential / Linear)
 - ENV1 ADR Times (2ms to 10s) & Satete Indicators
 - ENV1 Sustain Level (0V to 10V) & Satete Indicator
 - ENV1 Output Indicator
 - ENV2 Mode (Triggered / Gated)
 - ENV2 Curve (Exponential / Linear)
 - ENV2 Delay Time (0s to 2s) & Satete Indicators
 - ENV2 ADR Times (2ms to 10s) & Satete Indicators
 - ENV2 Sustain Level (0V to 10V) & Satete Indicator
 - ENV2 Output Offset
(0V to +10V / -5V to +5V)
 - ENV2 Output Indicator
 - Select This Module
(Access to Hidden Parameters & CV Target Menu)
- The yellow LEDs by the Jack Sockets show where to plug the cables when loading patch.



BACK PANEL of ASR311 DUAL VC ENV



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.
- 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

Detailed safety and warranty information is available at www.adamsynths.com/support.

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