AM105 QUAD VCA

User Manual • Version 1.0 • August 2016

AMAZING MACHINES

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INTRODUCTION

Thank you, and congratulations on your choice of the AM105 module.

AM105 is a Block module for use with the Native Instruments' Reaktor Blocks Modular System.

A highly flexible Quad VCA. Sporting Continuously Variable VCA Curves that range from Exponential to Logarithmic and anything in between, AM105 can Link VCA 1 to VCA 2 and VCA 3 to VCA 4, allowing for complex Amplitude Modulation Paths such as Tremolo Effects, Overall Volume Control and Effect Sends.

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TABLE OF CONTENTS

Windows

- Windows 7, Windows 8 or Windows 10 (latest Service Pack, 32/64-bit).

- Intel Core 2 Duo or AMD AthlonTM 64 X2, 4 GB RAM.

Mac

- Mac OS X 10.9, 10.10 or 10.11.1 (latest update, 64-bit only).

- Intel Core 2 Duo, 4 GB RAM.

General System Requirements

- Native Instruments' Reaktor 6.0.1 or Newer.

To install and use AM105, simply extract the contents of the provided ".ZIP" archive to your prefered location on your Computer, using an extraction tool such as WinZip. Then, using the Reaktor Browser, load the "AM105 Quad VCA v1.0.ism" Block to an existing Ensemble.
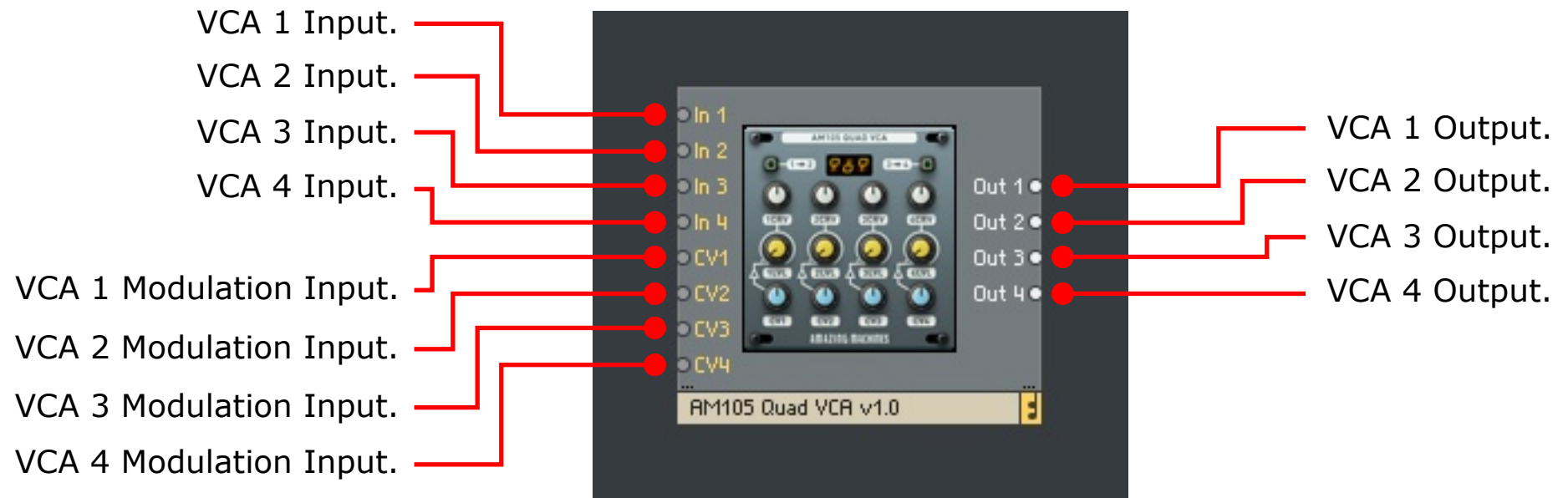

Alternatively, the provided "AM105 Quad VCA v1.0.ens" file can be used to copy and paste AM105 between Ensembles.

AM105 is a highly flexible Quad VCA. Sporting Continuously Variable VCA Curves that range from Exponential to Logarithmic and anything in between, AM105 can Link VCA 1 to VCA 2 and VCA 3 to VCA 4, allowing for complex Amplitude Modulation Paths such as Tremolo Effects, Overall Volume Control and Effect Sends.

Connections

VCA 1 Input.

VCA 2 Input.

VCA 3 Input.

VCA 4 Input.

VCA 1 Modulation Input.

VCA 2 Modulation Input.

VCA 3 Modulation Input.

VCA 4 Modulation Input.

VCA 1 Output.

VCA 2 Output.

VCA 3 Output.

VCA 4 Output.

Controls

VCA 2 Curve:
-100 = Exponential Curve [EXP]
0 (Default) = Linear Curve [LIN]
100 = Logarithmic Curve [LOG]

VCA 3 Curve:
-100 = Exponential Curve [EXP]
0 (Default) = Linear Curve [LIN]
100 = Logarithmic Curve [LOG]

Enables VCA 1 and VCA 2 Link,
when switched ON, the Output
of VCA 1 is connected to the
Input of VCA 2, disabling the
External Input on VCA 2.

Enables VCA 3 and VCA 4 Link,
when switched ON, the Output
of VCA 3 is connected to the
Input of VCA 4, disabling the
External Input on VCA 4.

VCA 1 Curve:
-100 = Exponential Curve [EXP]
0 (Default) = Linear Curve [LIN]
100 = Logarithmic Curve [LOG]

VCA 4 Curve:
-100 = Exponential Curve [EXP]
0 (Default) = Linear Curve [LIN]
100 = Logarithmic Curve [LOG]

VCA 2 Level.

VCA 3 Level.

VCA 1 Level.

VCA 4 Level.

Controls the amount of CV1
Modulation that is applied to
the VCA 1 Level.

Controls the amount of CV4
Modulation that is applied to
the VCA 4 Level.

Controls the amount of CV2
Modulation that is applied to
the VCA 2 Level.

Controls the amount of CV3
Modulation that is applied to
the VCA 3 Level.

Mouse Areas, Value Display and Modulation Indicators

Unified Value Display, the Controls on the AM105 GUI report their current Status to this Display.

The areas marked in red are Mouse Areas, they activate the Value Display for the selected Control, everytime a Knob or Switch is changed the Value Display automatically updates the Status of the Control, but sometimes you may want to check the Status of a Control without changing its current position, the Mouse Areas serve this purpose.

The white dots that circle around the 1LVL, 2LVL, 3LVL and 4LVL knobs are Modulation Indicators, they move away from the knobs indicators depending on how the CV1, CV2, CV3 and CV4 Inputs are set.

General Controls

To set a Knob or Switch back to it's Default Position, control+click the desired Knob or Switch and select "Set to Default" from the drop down menu. Double-clicking a Knob will also set it back to it's Default Position.

MIDI Learn

To set a Knob or Switch to respond to a specific MIDI Continuous Controller, control+click the desired Knob or Switch and select "MIDI & OSC Learn" from the drop down menu, then move the desired MIDI Controller to assign.

5

AM105 Flow Chart