

# AM106 RING MODULATOR

User Manual • Version 1.0 • September 2016



# INTRODUCTION

Thank you, and congratulations on your choice of the AM106 module.

AM106 is a Block module for use with the Native Instruments' Reaktor Blocks Modular System.

An advanced Ring Modulator, with features such as Dry / Wet Mix Control, Polarity Flip Switches and Continuously Variable X Axis Curves, AM106 takes Audio and CV Mangling to a whole new level.

You must accept the license agreement to use this product.

Please see [www.amazingmachines.com.br/software\\_eula.html](http://www.amazingmachines.com.br/software_eula.html) for details.

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## Windows

- Windows 7, Windows 8 or Windows 10 (latest Service Pack, 32/64-bit).
- Intel Core 2 Duo or AMD Athlon™ 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.

## CHAPTER 2 - INSTALLATION GUIDE

To install and use AM106, simply extract the contents of the provided ".ZIP" archive to your preferred location on your Computer, using an extraction tool such as WinZip. Then, using the Reaktor Browser, load the "AM106 Ring Modulator v1.0.ism" Block to an existing Ensemble.

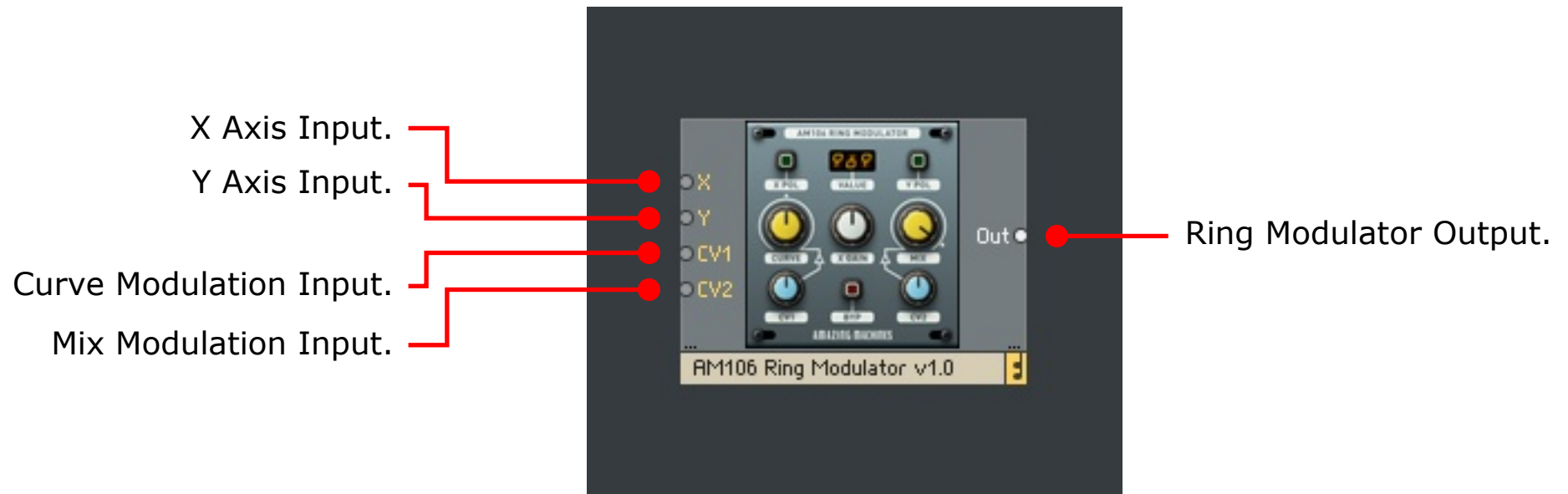


Alternatively, the provided "AM106 Ring Modulator v1.0.ens" file can be used to copy and paste AM106 between Ensembles.

## CHAPTER 3 - CONNECTIONS AND INTERFACE

AM106 is an advanced Ring Modulator, with features such as Dry / Wet Mix Control, Polarity Flip Switches and Continuously Variable X Axis Curves, AM106 takes Audio and CV Mangling to a whole new level.

### Connections



# Controls

X Axis Gain Control:  
0 = Mute  
100 (Default) = 100%  
200 = 200%

X Axis Polarity.

Y Axis Polarity.

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

Ring Modulator Dry / Wet Mix.

Controls the amount of CV1  
Modulation that is applied to  
the X Axis Curve.

Controls the amount of CV2  
Modulation that is applied to the  
Ring Modulator Dry / Wet Mix.



Bypasses the whole Block  
except for the X Gain Control.

# Mouse Areas, Value Display and Modulation Indicators

Unified Value Display, the Controls on the AM106 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 CURVE and MIX knobs are Modulation Indicators, they move away from the knobs indicators depending on how the CV1 and CV2 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.



# CHAPTER 4 - MODULE FLOW CHART

AM106 Flow Chart

