BRUTE VRS

User Manual • Version 1.0 • November 2014

AMAZING MACHINES

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INTRODUCTION

Thank you, and congratulations on your choice of the Amazing Machines' Brute VRS.

The BRUTE VRS is a Virtual Recall Sheet for the MINIBRUTE Analog Synth, it was built as an Ensemble that runs inside the Native Instruments' Reaktor Software.

You must accept the license agreement to use this product. Please see www.amazingmachines.com.br/software_eula.html for details.

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CHAPTER 1 - SYSTEM REQUIREMENTS

Windows

Windows 7 or Windows 8 (latest Service Pack, 32/64 Bit)
Intel Core Duo or AMD Athlon 64 X2, 2 GB RAM (4 GB recommended)

Mac

Mac OS X 10.7 or 10.8 (latest update)
Intel Core 2 Duo, 2 GB RAM (4 GB recommended)

General System Requirements

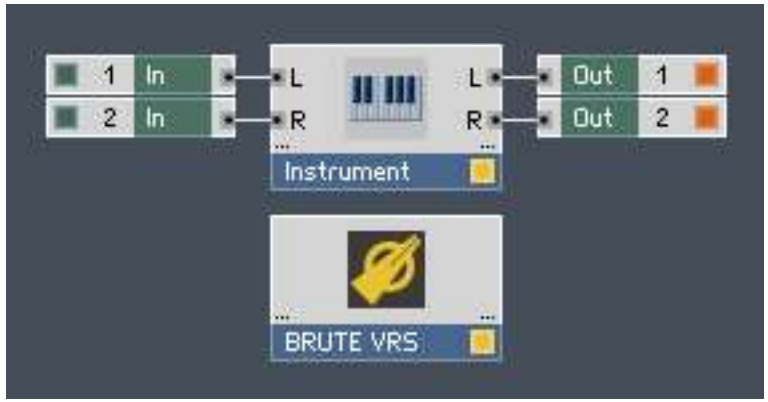
Native Instruments' Reaktor or Reaktor Player, version 5.8 or newer

CHAPTER 2 - INSTALLATION GUIDE

To install and use the BRUTE VRS Ensemble, simply extract the contents of the provided ".ZIP" archive to your prefered location on your Computer, using an extraction tool such as WinZip. Then open the BRUTE VRS Ensemble from the Reaktor Browser to start using the product.

To merge the BRUTE VRS Ensemble to an existing Ensemble, copy the BRUTE VRS Instrument Structure:

Then paste it inside your Ensemble as pictured below:



Interface Overview

Although the BRUTE VRS does not generate any sound on it's own, special attention to detail has been taken to achieve visual feedback that is as close as possible to the hardware instrument, including the LEDs for Octave Selection, Envelopes, LFO and Arpeggiator Tempo. The Pitch and Mod Wheels respond to incoming MIDI Data from your MINIBRUTE, while the Envelopes' LEDs blink in a simlar fashion to your hardware unit when notes are played, depending on how the Envelopes are set. The Arpeggiator Tempo can be Synced to your DAW's Tempo using the Clock Source Switch:

This level of detail may sound trivial at first, but it's essential to allow the end user to store and load patches fast and easy.

General Controls

To set a Fader, Knob, Selector, Switch or Wheel back to it's Default Position, control+click the desired Controller and select "Set to Default" from the Drop Down Menu. You can also double click a Controller to set it back to it's Default Positon.

BRUTE VRS MIDI Implementation

Note On - 0 to 127
Note Off - 0 to 127
Pitch Bend - Pitch Wheel
1 (Modulation) - Mod Wheel
2 (Breath) - Gate Source
3 (Ctrl 3) - Clock Source
9 (Ctrl 9) - Sub Osc Wave
14 (Ctrl 14) - Sub Osc Oct
15 (Ctrl 15) - Ultrasaw Amt
16 (General #1) - Ultrasaw Rate
17 (General #2) - Pulse Width
18 (General #3) - PW Env Amt
19 (General #4) - Metalizer Amt
20 (Ctrl 20) - Metalizer Env Amt
21 (Ctrl 21) - Cutoff
22 (Ctrl 22) - Filter Env Amt
23 (Ctrl 23) - Resonance
24 (Ctrl 24) - KBD Tracking
25 (Ctrl 25) - Filter Mode
26 (Ctrl 26) - Env Speed
27 (Ctrl 27) - Brute Factor
28 (Ctrl 28) - Fine Tune
29 (Ctrl 29) - Phones
30 (Ctrl 30) - Master Volume
31 (Ctrl 31) - Mixer Sub
32 (Bank LSB) - Mixer Saw
34 (#02 LSB) - Mixer Pulse
35 (#03 LSB) - Mixer Triangle
36 (#04 LSB) - Mixer Noise
37 (#05 LSB) - Mixer Audio In
38 (#06 LSB) - Filter Env Attack
39 (#07 LSB) - Filter Env Decay
40 (#08 LSB) - Filter Env Sustain
41 (#09 LSB) - Filter Env Release
42 (#10 LSB) - Amp Env Attack
43 (#11 LSB) - Amp Env Decay
44 (Effect #1 LSB) - Amp Env Sustain
45 (Effect #2 LSB) - Amp Env Release
46 (#14 LSB) - Oct Down
47 (#15 LSB) - Oct Up
48 (#16 LSB) - Mod Wheel Dest
49 (#17 LSB) - Bend Range
50 (#18 LSB) - Aftertouch Dest
51 (#19 LSB) - Glide
52 (#20 LSB) - Vibrato Wave
53 (#21 LSB) - Vibrato Rate
54 (#22 LSB) - LFO to PWM & Metalizer
55 (#23 LSB) - LFO Wave
56 (#24 LSB) - LFO to Pitch
57 (#25 LSB) - LFO Rate
58 (#26 LSB) - LFO to Filter
59 (#27 LSB) - LFO Clock
60 (#28 LSB) - LFO to Amp
61 (#29 LSB) - Arp Octave
62 (#30 LSB) - Arp Off/On/Hold
63 (#31 LSB) - Arp Mode
71 (Resonance) - Arp Step
72 (Release Time) - Arp Swing
73 (Attack Time) - Arp Tempo
74 (Brightness) - Arp Tap

To set a Fader, Knob, Selector, Switch or Wheel to respond to a specific MIDI Continuous Controller, control+click the desired Controller and select “MIDI & OSC Learn” from the Drop Down Menu, then move the desired MIDI Controller to assign.


REAKTOR
0.4 %
44100
Gate Source
Audio Hold KBD
Clock Source
Internal
MIDI
AMAZING MACHINES
OSCILLATOR
Sub Osc
Wave
Octave
-1
-2
Ultrasaw Amt
Ultrasaw Rate
Pulse Width
50%
90%
ENV Amt
Metalizer
ENV Amt
FILTER
Cutoff
ENV Amt
Resonance
KBD Tracking
Off
200%
Mode
LP
BP
HP
Ntch
Fast
Slow
ENV Speed
Brute Factor
Fine Tune
Phones
Master Volume
BRUTE VRS
VIRTUAL RECALL SHEET
OSCILLATOR MIXER
Sub Osc
Audio In
FILTER ENVELOPE
Attack
Decay
Sustain
Release
AMPLIFICATION ENVELOPE
Attack
Decay
Sustain
Release
Max
Min
Pitch
Modulation
OCTAVE
-2
-1
0
+1
+2
Down
Up
CONTROLS
Cutoff
Vibrato
LFO Amt
MOD Wheel
Cutoff
Vibrato
Off
Aftertouch
Bend Range
Glide
VIBRATO
Rate
LFO
PWM & Metalizer
Pitch
Filter
Amp
Wave
Rate
Arpeg
Free
Clock
Octave
ARPEGGIATOR
Hold
On
Off
Step
Tempo
Up
Down
Up/Down
Rndm
Mode
Swing
Tap