MASTER HAMMOND B3 VSTi

version 2.1 (DEMO)

Syntheway.net

n **This document contains the following topics:**

1. Description

Overview

MASTER HAMMOND B3 is a Virtual Hammond VST plug-in with a rich and authentic sound based on the legendary B3. The result is a warm and powerful sound over the entire range of the keyboard. The MHB3 is capable of all the variations one expects from this type of organ, and is suitable for any flavor of music, be it Rock, Jazz, Blues, Gospel, etc.

Features

l **B3 Mode Selector:**
   n **B3 Standard**
   n **Fast Bright**
   n **Slow Bright**
   n **Fast Dark**
   n **Slow Dark**
   n **Full Bright**
   n **B3 Blues Type 1 to 4**

l Authentic sound based on an intelligent VSTi engine and Sample Playback, which provides virtually unlimited dynamic expression for your performances.

l Modeled on mastered samples (normalized and noise-reduced). Based on PCM recordings of a Hammond B3 organ.

l To achieve such a remarkably authentic B3 sound, has full length sustain samples, no loops (natural decay), stored in 16 bits and 44.100 KHz.

l	The size has been significantly reduced. Great quality and reasonable small size: 7.48 MB

l	**ADSR** envelope generator with Attack, Sustain, Decay and Release parameters and several modulation targets.

l	10 Acoustic Ambience presets.

l	**Portamente/Glide** control: affects pitch transitions. A gliding effect that allows a sound to change pitch at a gradual rate, rather than abruptly, when a new key is pressed or MIDI note sent.

l	**Reverb built-in**: free variation of acoustic ambience thanks to complete separation of organ and room. Small rooms can be modeled just as accurately as larger spaces.

l	**MIDI Automation**: Added complete MIDI CC#.

2. System Requirements

Before you install VST instruments & Effects, please make sure your computer fulfills the following requirements:

l	Operating System : Windows® 98/ME, Windows® 2000, Windows® XP.

l	Processor: Pentium®, Celeron® or equivalent - 500 MHz or more.

l	RAM: 64 MB of memory (128 MB recommended)

l	VST 2.0 Host application like: FL Studio 5.xx, 4.xx, Steinberg Cubase VST 5/32, Cubase VST 5 Score, Cubase VST 5 Standard, Cubase SL 1.xx, 2.xx, Cubase SX 1.xx, 2.xx, 3.xx, Synapse Orion Pro 4.xx, Synapse Orion Platinum 5.xx, Mackie Tracktion 2.xx, Audio Mulch 0.9xx, Steinberg Nuendo 1.xx, 2.xx, 3.xx, Samplitude 7.xx and more ...

l	Graphics (minimum): 16-bit 800x600

l	Work with other hosts, as a **DirectX plug-in** using the FXpansion Vst-Dx V3/4 adapter or running DirectiXer 2. Is the easiest way to gain access to the hundreds of VST plug-ins from your DirectX audio application. Compatible with the Cakewalk Audio line (v6 and higher), FASoft N-Track, Sonic Foundry ACID, Sound Forge and Vegas (as an Aux effect only, in Vegas), Syntrillium Cool Edit Pro, SEK'D Samplitude and Samplitude 2496, etc. (More about VST 2.0 compatible host application)

l	Other Components: PC configured according to the specifications of the host application

l	An ASIO soundcard is recommended for low latency real-time play.

3. Installation

The files must be in a directory where the VST host is looking for VST plugins.

Unzip and extract ***.RAR file** into **VST Plug-ins Folder**.

Note: RAR file contains *.dat & *.dll files.

More info about RAR format at **http://faq.syntheway.net**

4. MIDI Implementation Chart for MHB3:

The following MIDI Continuous Controllers (MIDI CC) messages are recognized and affect the described parameters:

```
# Decimal        /      Controller Name


CC# 05 - GLIDE - Portamento Time -
CC# 07 - MASTER VOLUME

CC# 71 - DECAY - ENVELOPE GENERATOR
CC# 72 - RELEASE - ENVELOPE GENERATOR
CC# 73 - ATTACK - ENVELOPE GENERATOR
CC# 74 - SUSTAIN - ENVELOPE GENERATOR

CC# 88 - REVERB SIZE ROOM
CC# 89 - REVERB WIDTH ROOM
CC# 90 - REVERB DAMPING FACTOR ROOM
CC# 91 - REVERB MIX LEVEL
```

5. Version History

v2.1: Changes:
- Added Full Bright B3 Mode.
- Added Portamento/Glide control.
- Added MIDI Automation.
- Some GUI modifications.
- Some bug-fixes and smaller improvements.

v2.0: Improvements:
- Improved sound engine.
- Add ADSR envelope generator with Attack, Sustain, Decay and Release parameters and several modulation targets.
- Sample playback optimized for better performance.
- Patch selector improved
- Redesigned GUI graphics
- Updated built-in 4 patches Blues B3 Hammond Organ.
- Add Knobs (Volume and MIDI Chanel Selector)
Bugfix:
- Some problems when used in Cubase SX fixed
- Small bug fixes.

v1.0: Initial version.

v1.0rc1: Release Candidate.

v0.91/0.92: Beta released.

v0.90: Alpha released.

6. Technical Support and Contact

Free Technical Support to Registered Users:

Please take a look at the FAQ (Frequently Asked Questions) at **http://faq.syntheway.net** , before you contact customer support.
If you have any problems with instruments and effects, you can contact us by e-mail (English and Spanish languages allowed). Support requests are answered as quickly as possible, if you send the following information:

- **Syntheway Product**
- **Host Application (Name & Version number)**
- **A very detailed description of the problem**

Your inquiry will be answered in the order in which it is received. Due to the volume of e-mail, sometimes, these may not be able to respond immediately.

Contacting Syntheway	
Information	**info@syntheway.net**
Contact	**contact@syntheway.net**
Sales	**sales@syntheway.net**
Tech-support	**support@syntheway.net**
Webmaster	**webmaster@syntheway.net**

7. FAQ (Frequently Asked Questions)

Here you will find answers to the most frequently asked questions: please take a look at the FAQ webpage:

http://faq.syntheway.net

8. Updates:

Please check for updates to this software at:

http://download.syntheway.net

Benefits Registered Users:
Updates within version numbers (e.g. 2.0 to 2.xx) are free of charge. They get distributed electronically after their release.

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10. Evaluation & Registration

The DEMO VERSION is full functional. You can do anything you can do with the full version, you can even save your presets. Also in the demo are some presets included to demonstrate the instruments capabilities. The only restrictions are, that the demo emits a decent noise about every 10 seconds. The full version does not have this intermitting noise.

The program is a SHAREWARE. You are hereby licensed to use this software for evaluation purposes without charge for a period of 30 days. If you use this software after the 30 day evaluation period a registration fee is required.

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11. Plug-in Credits

Concept, Design, DSP and GUI by Daniel Alberto Laiseca

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