



Point Blank

www.pointblanktutorials.com

Welcome to Point Blank Online Tutorials

Introduction to Production - Session 2

System requirements

Our tutorial movies are in QuickTime format, QuickTime 6.5 minimum required. Follow these links to install the latest version of QuickTime on your computer.

Windows XP <http://www.apple.com/quicktime/download/win.html>

Mac OS X (10.3.9 or Later) <http://www.apple.com/quicktime/download/mac.html>

Native Instruments – Battery 2

Windows XP

Minimum Requirements:

- Pentium III / Athlon 400 MHz or faster
- 256 MB RAM
- 4 GB free space on your hard disk
- A sound card compatible with Windows XP

Recommended:

- Pentium III or 4 / Athlon XP 1.2 GHz or faster
- 512 MB RAM

MacOS X

Minimum Requirements:

- Apple PowerMac G3 500 MHz or faster
- OS X 10.2.6 or later (make sure you have the latest version of Battery 2 for 10.4 (Tiger) compatibility)
- 256 MB RAM
- 4 GB free space on your hard disk
- An audio interface compatible with Core Audio

Recommended:

- G4 1.0 GHz or faster
- 512 MB RAM

Steinberg – Cubase SX

Windows XP

Minimum Requirements:

- A 800 MHz Pentium / Athlon processor or faster
- 384 MB RAM
- A sound card compatible with Windows XP that meets the following basic specifications
Stereo – 16 bits – Support at least 44.1 kHz sample rate – ASIO, DirectX or Windows
Multimedia compatible driver

Recommended:

- Pentium / Athlon processor 2.8 GHz or faster
- 512 MB RAM

MacOS X

Minimum Requirements:

- Apple PowerMac G4 867 MHz or faster
- OS X 10.3.3 or later (make sure you have the latest version of Cubase SX3 for 10.4
(Tiger) compatibility)
- 256 MB RAM
- 4 GB free space on your hard disk
- An audio interface compatible with Core Audio

Recommended:

- G5 dual 1.8 GHz or faster
- 512 MB RAM

RAM

Audio work requires a lot of RAM. The amount of available RAM you have is directly related to:

- The number audio channels that you can run in your sequencer
- The amount of samples that you can load in your Virtual Instruments such as Halion, EXS24, Battery, Kontakt, Trilogy, etc....
- The number of applications running simultaneously
- Overall performance of the computer

As general guideline, we recommend 1 or 2 GB of RAM installed in your computer to be able to run few different virtual instruments. The MORE the BETTER.

HARD DISKS

It is recommended to use a separate hard disk to record audio into your computer, that way you can reformat the audio disk when it gets fragmented without having to rebuild your whole system if something goes wrong. If you only have one hard disk, you still can partition it into 2 volumes.

The size of the hard disk determines how many minutes of audio you will be able to record. Recording. Recording 1 minute of stereo CD quality (16 bits, 44.1 kHz), requires 10MB of hard disk space.

The speed of the hard drive also determines the number of audio tracks you can run. That is the quantity of information that the disk can read/write, usually expressed as 'sustained transfer rate'.

There are different types of hard disk suitable for audio recording/playback such as:

- Internal Hard disks IDE, ATA, SATA
- Firewire 400 or 800 harddisks
- USB 2 hard disks
- SCSI hard disks

Important Notes

Make sure to download the latest update for Battery2 from

http://www.nativeinstruments.de/index.php?id=support_us (Currently 2.1) as many features have been improved or integrated in this update, such as the possibility to configure separate outputs, much improved Import Browser, Improved REX import, etc...

Without this update you might not find some of the features demonstrated in this tutorial.

Content

This series of tutorials is based on the course module '**Introduction to production**' available at our music colleges (London – Sheffield). Designed for beginners, the content of this course module includes:

- Drums Programming & Song Arrangement skills using Cubase SX, LM7, Battery2
- Learn the art of sampling on software samplers Battery2, Halion
- Covers synthesis level one and multi-sample synths using virtual instruments inside the computer (eg, FM7, VB1, CS40, Neon, B4, Groove Agent, Pro 53)

Need more information about the courses & content? Please click here

http://www.pointblanklondon.com/music_college/brochure_london/course_brochure.asp

Session 2 – Battery 2 Part 1

This session shows you how to use midi files in Cubase SX and how to use basic functions in Battery 2 Software instrument, so you can quickly make great sounding rhythm tracks.

What's included in the **zip** file?

- A 45 mins video tutorial in QuickTime format.
- Tutorial **Cubase file**
- A Drum & Bass **Kit** for Battery 2 (including 2 extra midi files), taken from the Point Blank sample CD Volume 1
- This Read me **pdf** file

Additional notes for this session

1 Battery interface

Loading kits & Sounds

There are several ways to load kit into Battery, starting with the File menu :

- 'New' Use this if you want to create a new blank kit. The cells have no contents, and use default parameters settings
- Open takes you to a file selection box that recognises all file types supported by Battery 2. If you load a Battery kit, it will replace the previous kit loaded (you can have only one kit @ a time). If you load samples (AIF, Wave files) it will load them into different cells starting from the one selected.

Battery 2 supports, battery 1 & 2, kontakt instruments, wave audio, AIF audio, MPC samples, Halion programs, Samplecell banks, LM4 kits, Soundfont container, Giga sampler container, REX/REX2, sound designer & Akai S1000/S3000, so easy to transfert any existing library that you might have.

The other way to load kits & sounds is using the 'Import' menu. Those who like to browse, drag & drop will probably prefer the import function. All supported files can be loaded from this window.

The Library fast find section is located under the file, edit, and view menus, it browses the kits located in the Battery Library folder (located within the Battery 2 program folder). Click on the name for a drop down menu of kits within the Library.

2 Load Midi File & Battery kit

Midi Files

Musical Instrument Digital Interface file. A set of instructions for a computer or synthesizer to play a certain musical composition. The MIDI file does not include actual sounds, but information on how to make the sounds. The MIDI instructions include the notes played, length of notes, instruments, volume, rhythm, midi channel, tempo etc
MIDI files are usually given the extension “.MID”.

5 About Cells & 6 Move / Copy Cells

Each cell contains up to 128 samples (layered and/or velocity split) and a set of parameters that affect the sound. These include key range, volume, pan, tuning, compression, modulation, etc.)

Important Notes about how samples relate to cells in aspect of their tuning and how they are mapped on a midi keyboard

Root key (found at the bottom of the Map tab / Edit pane): This sets the original pitch, which usually equals the pitch at which the sample was recorded. For example, let's assume that you have a sample of a bass sound played at C2 on a midi keyboard, once loaded in Battery, you should set the root key to C2, so it plays back at the same pitch in Battery.

Key range (found in the Cell tab / Edit pane): This determines the Midi note range that will trigger the cell. Let's take back our previous example, a bass sample with a root key at C2, if we assigned that cell a key range C2-C2, it will play only upon receiving midi notes C2. If set to C1-C3, it will then respond to all midi notes played within that range.

Track (found in the Cell tab / Edit pane): Using our previous example of a bass sample with a root key at C2 and key range C1-C3. If track is disabled, no matter which notes you play within that key range C1 or A2, the bass sample will always playback at the same pitch (the one determined by the root key, in our example C2)


When Track is selected and the key range exceeds one note, all samples in the current cell will change pitch in response to the midi input. Back to our example, if you play D2, the pitch will be 2 semitones higher.

Moving & Copying cells

Move Cells (default): Click on the source cell you want to move, and drag it to the destination cell. The destination cell's key range will be used. This method is great to quickly change the sounds in a cell, for example if you have a cell on B10 playing a snare sound with a key range A4-A4 and you want to change that sound, select another cell with a snare sound (in our example the cell B4 with a key range D#2-D#2) and drag it to the cell B10. Now in B10 you have the cell that was in B4 but still playing with the key range of B10.

Move a cell with key range to another cell: PC Alt+drag / Mac ⌘+drag on the source cell you want to move, and drag it to the destination cell. This moves the cell, the key range & root key. This method allows you to reorganise your cells without affecting their key range, taking our previous example, cells B4 & B10 would swap so B4 becomes B10 & vice versa, but they still respond to the same midi notes.

Copy a cell to another cell: PC Ctrl+drag / Mac Alt+drag on the source cell you want to copy, and drag it to the destination cell. This method allows you to copy a cell to another one using the destination cell's key range. In our example we copy cell D11 (key range A#4-A#4) to the cell D10 (key range A4-A4), now in D10 we have the same sound as in D11 but playing with the key range of D10 (A4-A4), that way by modifying slightly on of these two cells, we can emulate a more realistic sound (in our example a tambourine pattern).

Copy a cell with key range to another cell: PC Alt+Ctrl+drag / Mac +Alt+drag on the source cell you want to copy, and drag it to the destination cell. This copies the cell, the key range & the root key.

8 Tuning a Loop

Modify section (in the edit pane)

Saturation, this function can give your sounds a lot more punch & attack. With standard drums sound, saturation can shave off the peaks, creating a more harmonically rich attack while bringing up the overall level.

Note that you can use negative values, in this case you can decrease 'punch', this helps to lighten up drum mixes.

Bits, this parameter allows you to change the Bit Resolution from 16bits to 1bits
You could use this parameter to emulate the 12 bit sound of the classics SP12 EMU sampler, Akai MPC 60, S900 or go to extreme lo fi.

Hertz, this parameter allows you to change the sample rate, from 15.8 Khz down to 1 Khz. It can produce metallic type sounds, and if swept with modulation produces almost ring modulated type FX.

HAVE FUN!!!

Support

Email: support@pointblanktutorials.com

Explain your problem and we will get back to you as soon as possible..

Contact Details

Online Tutorials

Point Blank

23-28 Penn St

London

N1 5DL

TEL: 00 44 (0)20 7729 4884

For all questions, comments, and suggestions, email: studio@pointblanklondon.com

Returns Policy

DISCLAIMER OF WARRANTIES YOU EXPRESSLY UNDERSTAND AND AGREE THAT: POINT BLANK ENDEAVORS TO DELIVER YOU PRODUCTS OF THE HIGHEST QUALITY. THE GOODS AVAILABLE FROM THIS SITE ARE DIGITAL DOWNLOADS WHICH YOU CAN PREVIEW BEFORE PURCHASING. IF AFTER PURCHASING YOU FIND YOU ARE UNABLE TO DOWNLOAD A TUTORIAL FROM THIS SITE DUE TO HAVING A SLOW CONNECTION OR A SERVER FAULT, WE WILL SEND YOU A CD CONTAINING THE PURCHASED FILE. IN THE UNLIKELY EVENT THAT THE FILE ON THE CD IS CORRUPTED, RETURN IT TO US IN ITS ORIGINAL PACKAGING WITHIN 14 DAYS AND WE WILL CHECK IT. IF WE FIND THE FILE TO BE CORRUPT WE WILL OFFER YOU EITHER A. ANOTHER CD OR B. A REFUND WHICH YOU CAN EXPECT WITHIN ONE MONTH OF US RECEIVING THE RETURNED FAULTY CD. NB: CORRUPTED DOES NOT INCLUDE PHYSICAL WEAR AND TEAR IE SCRATCHES.

Point Blank Online Terms and Conditions

Acceptance of Terms. Welcome to <http://pointblanktutorials.com/>, which is published and maintained by Point Blank Ltd ("Point Blank"). Point Blank provides its service to users of the Web site ("you"), subject to the following Terms and Conditions ("T&Cs"), which may be updated by Point Blank from time to time without notice to you. Please read these Terms and Conditions ("Agreement") and Privacy Policy carefully before using. Your use of the Web site is subject to your acceptance of this Agreement, and when you access, browse, or use this Web site, you accept, without limitation or qualification, the T&Cs Agreement as if you had signed it. Also, when using particular Point Blank services, you and Point Blank are subject to any posted guidelines or rules applicable to such services which may be posted from time to time.

1. **RESTRICTIONS ON USE.** Any materials posted on the Web site that you copy, print, or download are licensed to you by Point Blank for your personal, non-commercial use only, provided that you do not change or delete any copyright, trademark, or other proprietary notices. You agree not to reproduce, duplicate, copy, sell, resell or exploit for any commercial purposes, any portion of the Web site, use of the Web site, or access to the Web site. Point Blank reserves the right at any time and from time to time to modify or discontinue, temporarily or permanently, the Web site (or any part thereof) with or without notice. You agree that Point Blank shall not be liable to you or to any third party for any modification, suspension or discontinuance of the Web site. Recognizing the global nature of the Internet, you agree to comply with all local rules regarding online conduct and acceptable Content. Specifically, you agree to comply with all applicable laws regarding the transmission of technical data exported from the United States or the country in which you reside.

2. **INFORMATION SHARING WITH NONAFFILIATED THIRD PARTIES.** Because Point Blank values all customer relationships, it will not disclose customers' nonpublic personal information to nonaffiliated third parties, except as described in this policy or as otherwise permitted by law. We DO NOT allow any email harvesting. If you feel you have been contacted in error by a party other than Point Blank, please contact customer service at studio@pointblanklondon.com

3. **LICENSE.** You acknowledge and agree that the Website and any necessary software used in connection with the Website ("Software"), as well as all course materials and content provided by Point Blank for the Point Blank online courses (the "Course Content") contain proprietary and confidential information that is protected by applicable intellectual property and other laws. You further acknowledge and agree that Content contained in sponsor advertisements or information presented to you through the Website, Course Content, or advertisers is protected by copyright, trademarks, patents or other proprietary rights and laws. You agree not to modify, rent, lease, loan, sell, distribute or create derivative works based on the Website, the Course Content, or the Software, in whole or in part. Point Blank grants you a personal, non-transferable and non-exclusive right and license to use the course content on a single computer; provided that you do

not (and do not allow any third party to) copy, modify, create a derivative work of, sell, assign, sublicense, grant a security interest in or otherwise transfer any right in the course content.

4. INDEMNITY. You agree to indemnify and hold Point Blank, and its directors, employees, agents, affiliates, and co-branders, or other partners, and other users, harmless from any claim or demand, including reasonable attorneys' fees, made by any third party due to or arising out of your use of the Web site, your connection to the Web site, your violation of the TOU, or your violation of any rights of any third party.

5. LINKS. The Web site may provide, or third parties may provide, links to other World Wide Web sites or resources. Because Point Blank has no control over such sites and resources, you acknowledge and agree that Point Blank is not responsible for the availability of such external sites or resources, and does not endorse and is not responsible or liable for any Content, advertising, products, or other materials on or available from such sites or resources. You further acknowledge and agree that Point Blank shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by or in connection with use of or reliance on any such Content, goods or services available on or through any such site or resource.

6. DISCLAIMER OF WARRANTIES YOU EXPRESSLY UNDERSTAND AND AGREE THAT: YOUR USE OF THE ONLINE SERVICE IS AT YOUR SOLE RISK. THE WEB SITE IS PROVIDED ON AN "AS IS" AND "AS AVAILABLE" BASIS. POINT BLANK EXPRESSLY DISCLAIMS ALL WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. POINT BLANK MAKES NO WARRANTY THAT (i) THE WEB SITE WILL MEET YOUR REQUIREMENTS, (ii) THE WEB SITE WILL LEAD TO EMPLOYMENT OR GIGS (iii) THE WEB SITE WILL BE UNINTERRUPTED, TIMELY, SECURE, OR ERROR-FREE, (iv) THE RESULTS THAT MAY BE OBTAINED FROM THE USE OF THE WEB SITE WILL BE ACCURATE OR RELIABLE, (v) THE QUALITY OF ANY PRODUCTS, SERVICES, INFORMATION, OR OTHER MATERIAL PURCHASED OR OBTAINED BY YOU THROUGH THE WEB SITE WILL MEET YOUR EXPECTATIONS, AND (vi) ANY ERRORS IN THE SOFTWARE WILL BE CORRECTED. * ANY MATERIAL DOWNLOADED OR OTHERWISE OBTAINED THROUGH THE USE OF THE WEB SITE IS DONE AT YOUR OWN DISCRETION AND RISK AND THAT YOU WILL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR COMPUTER SYSTEM OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOAD OF ANY SUCH MATERIAL. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY YOU FROM POINT BLANK OR THROUGH OR FROM THE WEB SITE SHALL CREATE ANY WARRANTY NOT EXPRESSLY STATED IN THE TOU.

7. LIMITATION OF LIABILITY YOU EXPRESSLY UNDERSTAND AND AGREE THAT POINT BLANK SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, INCLUDING BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFITS, GOODWILL, USE, DATA OR OTHER INTANGIBLE LOSSES (EVEN IF POINT BLANK HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES), WHETHER BASED ON CONTRACT, TORT OR STRICT LIABILITY, OR OTHERWISE, RESULTING FROM: (i) THE USE OR THE INABILITY TO USE THE WEB SITE; (ii) THE COST OF PROCUREMENT OF SUBSTITUTE GOODS AND ONLINE SERVICES RESULTING FROM ANY GOODS, DATA, INFORMATION OR ONLINE SERVICES PURCHASED OR OBTAINED OR MESSAGES RECEIVED OR TRANSACTIONS ENTERED INTO THROUGH OR FROM THE WEB SITE; (iii) UNAUTHORIZED ACCESS TO OR ALTERATION OF YOUR TRANSMISSIONS OR DATA; (iv) STATEMENTS OR CONDUCT OF ANY THIRD PARTY ON THE WEB SITE; OR (v) ANY OTHER MATTER RELATING TO THE WEB SITE. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF CERTAIN

WARRANTIES OR THE LIMITATION OR EXCLUSION OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. ACCORDINGLY, SOME OF THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

8. TERMINATION. You agree that Point Blank, in its sole discretion and without prior notice to you, may terminate your registered account (or any part thereof) or use of the Web site, and remove and discard any Content within the Web site, for any reason, including, without limitation, for lack of use or if Point Blank believes that you have violated or acted inconsistently with the letter or spirit of the T&Cs. Point Blank may also in its sole discretion and at any time discontinue providing the Web site, or any part thereof, with or without notice. Termination, suspension, or cancellation of this Agreement or your access rights will not affect any right or relief to which Point Blank may be entitled in law or in equity. Upon termination of this Agreement all rights granted to you will automatically terminate. Paragraphs 3, 5, 8, 9, 10, 11 and 13 shall survive termination of this Agreement.

9. TRADEMARK INFORMATION. Point Blank Music College, Point Blank Tutorials, Point Blank Music, 'Learn, Participate, Create' trademarks, logos and product and service names are trademarks of Point Blank Music College. Without Point Blank's prior permission, you agree not to display the above or use in any manner.

10. GENERAL INFORMATION. The T&Cs agreement and any posted operating rules constitute the entire agreement between you and Point Blank and govern your use of the Web site, superceding any prior agreements between you and Point Blank with respect to the subject matter of this Agreement. You also may be subject to additional terms and conditions that may apply when you use affiliate services, third-party content or third-party software. You may not assign your rights under this Agreement to any third party. The T&Cs and the relationship between you and Point Blank shall be governed by the laws of the UK without regard to its conflict of law provisions. You and Point Blank agree to submit to the personal and exclusive jurisdiction of the courts located within the city of London, England. The failure of Point Blank to exercise or enforce any right or provision of the T&Cs shall not constitute a waiver of such right or provision. If any provision of the T&Cs is found by a court of competent jurisdiction to be invalid, the parties nevertheless agree that the court should endeavor to give effect to the parties' intentions as reflected in the provision, and the other provisions of the T&Cs remain in full force and effect. You agree that regardless of any statute or law to the contrary, any claim or cause of action arising out of or related to use of the Online Service or the T&Cs must be filed within one (1) year after such claim or cause of action arose or be forever barred. The section titles in the T&Cs are for convenience only and have no legal or contractual effect.

11. VIOLATIONS. Please report any violations of the T&Cs to: studio@pointblanklondon.com