

Creating a Blackbox sample pack from a Kontakt Instrument

Kontakt is sampling powerhouse that allow you to create all sort of sample library as an Instrument. Kontakt Instruments are a great source of sounds and sometime available for free.

I come across a beautiful choir on the [Pianobook](#) site: Micah's Choir, that was available only as a Kontakt Instrument. So, I decided to convert it to a multisamples pack for my 1010music Blackbox.

That is the origin of this guide that I hope can be useful for others.

The Tools

Kontakt Player 6

Available for free on Native Instrument website:

<https://www.native-instruments.com/en/products/komplete/samplers/kontakt-6-player/free-download/>

Kontakt Player will be use to play the Kontakt Instrument.

Important to note, Kontakt Player will timeout after 15min. So, you might want to review the process and reload the plugin once you're ready.

MPC Beats 2.8

Also available for free on Akai site: <https://www.akaipro.com/mpc-beats> MPC Beats will be use a VST host and also include a great "Auto-Sampler".

The Process

Set up the VST

Once both installed, make sure Kontakt can be open from the MPC Beats. On MPC Beats:

- [Hamburger button](#) (top left)
- Edit
- Preferences
- Open the "Plugins" section
- Ensure the location that store your Kontakt VST is listed. If not, add it and press "Rescan All"

Set up the Project

On the MPC Beats, if not already done, create a new project:

- Hamburger button
- File
- New Project
- MPC Beats will list you different Template, select the "Empty" one

One on the "Main Mode" window, under the Track 1, click on the little plug icon ("Plugin"). This is show a new menu in the "Program" section. Click on the "Plugin" parameter and select Kontakt.

Set up your Kontakt instrument

- Open Kontakt by clicking on the tiny **window** icon present on the right of the "Plugin" parameter.
- Load your Kontakt instrument, with the "Micah's Choir", I simply drag&drop the .nki to the Player.
- Adjust the volume if necessary

Ensure that in the "Accept all notes off / all sounds off" is disable on the instrument. If not done, Auto Sampler might not play notes (cf.

<https://www.mpc-forums.com/viewtopic.php?p=1766014#p1766014>)

- Click on the wrench, to access the instrument options
- Click on the "Instrument Options"
- Go to the "Controller" section
- Disable the "Accept all notes off / all sounds off" check-mark

Disable loop (Optional)

The "Micah's Choir" instrument was set to loop the sample when notes were sustain for a long time. I didn't want that to happen so I disabled it on the Wave editor. To do so, in the KontaKt instrument:

- Click on the wrench, to access the instrument options
- Click on the Mapping editor
- Go to the Mapping editor (you might have to scroll down to see it)
- Select all the zone from left to right
- Open the Wave editor
- In the "sample Loop" tab, click on the power button, that will disable loop on the last wave.
- click on the gear icon
- Select "to all selected zones/copy current zone loop settings"

We're ready to create the samples.

Run the Auto Sampler

Back to the main MPC Beats window

- Hamburger button
- Tools
- Auto Sampler
- Configure Auto Sampler

In this scenario, I used the following options. Feel free to adjust them to your need. Track Name: Track 1 Program Name: Plugin 001 Record from: Resample L+R

- Min note: G1
- Max note: E4
- Note Stride: 4
- Extend min/max notes: Off
- Velocity Layers: 1: 127
- Note length: 6.0s
- Tail: 0.0s
- Base Name: Micah's Choir
- Enable looping: Off

Click on "Do it".

MPC beats will play the notes, create sample for each of them. It will also set the right Root note for the sample and the velocity tag (not working as of now with Blackbox).

Collect the samples

Back to the MPC Beats main window, in the Project window:

- Right click on the newly create Program
- Select Save
- Chose a location to save the files.

Instrument hacking: map velocity to parameter (Optional)

Velocity layer don't seems to be compatible between MPC Beats and Blacbox, so this won't work. According to Aaron, both note and velocity are store on the "inst" tag.

<https://forum.1010music.com/forum/general-topics/19862-wav-tags-we-support>

<https://sites.google.com/site/musicgapi/technical-documents/wav-file-format#inst>

Micah's Choir have a great parameter that allow to adjust the archness of the voice using the modwheel. I wanted to map this to the velocity and create a multiple velocity pack. This is an totally optional step.

In Kontakt Player, open the Script Editor and the "Performance View" tab.

The parameter was handle by the \$Dynamics So, I:

- modified the \$Dynamics range from (0,100) to (0,127) during its declaration.
- Remove the *on controller* portion of the code
- Add the *on note* portion of the code (to associated the velocity to harshness)

```
declare const $Dynamics_CC := 1

  declare ui_slider $Dynamics (0,127 )

  make_persistent($Dynamics)

  set_control_par(get_ui_id($Dynamics), $CONTROL_PAR_ALLOW_AUTOMATION, 0)
end on

on note
  $Dynamics := $EVENT_VELOCITY
end on
```

Once done, I re-run the Auto-Sampler with multiple velocity layers:

- 1: 127
- 2: 96
- 3: 64
- 4: 32

Load the pack in the Blackbox

Once your samples are created, copy the folder to the SD card.

- Start your Blackbox
- Go to "Pads"
- Select an Pad
- Tap "Info"
- Tap "Load"
- Navigate inside your sample pack folder
- Tap "File"
- Tap "Load all"

Et voila!!

2026/07/19 11:32 · domo

Learning Python 3

Python is a great scripting language known to be both powerful and simple.

I recently start to re-learn it and use the occasion to look at Python 3. I found the following resources

really useful so let share them with world:

A byte of Python <https://python.swaroopch.com/> Clear and simple, nice beginner book that walk you through all the basics. Its short enough to let you learn really fast what you need to know to start writing your own script

Dive into Python update for Python 3 <https://diveintopython3.net/> "Python from novice to pro" as they say. More detailed than "A byte of Python", it also take longer time to go through. It is a good read once you get use to the basic of the language

Python 3 Documentation <http://docs.python.org/py3k/> The official documentation. You will love its Library Reference

Module of the Week <https://pymotw.com/3/> Really good blog that explore all the module available in Python. The code examples, recently switch from Python 2.6 to 3 \o/

Happy coding!

2020/09/24 17:56

Find large folder in command line

As the *info du* command state:

"du reports the amount of disk space used by the specified files and for each subdirectory (of directory arguments)."

It's really helpful when a partition get fill-up and you need to free some space.

If you want to check the size of folders present in your home directory for example, you can run this command: `du -max-depth=1 -h ~`

This is great, but it would be even better if the output what sorted by size.

Of course *sort* is the tool you need here and it now include the *-human-numeric-sort* option in it. This option is only new (it was had at the end of 2009) and present on the version 7.5 and above of *core-utils* (the package that contain *du*).

Here how to use it: `du -max-depth=1 -h ~ | sort -rh`

I like to combine all this with the *head* command to limit the output to display the by the command `du -max-depth=1 -h ~ | sort -hr | head -n 10`

2020/09/24 17:56

Début

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Morbi commodo commodo diam, vitae adipiscing eros facilisis sed. Sed auctor magna a diam viverra ac iaculis diam hendrerit. Vivamus

suscipit dignissim ligula, eget sagittis lacus porta eu. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Praesent ultrices sem a lacus bibendum vitae feugiat ante posuere. Aliquam pulvinar ligula lacinia felis rhoncus sit amet vestibulum odio venenatis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Duis pretium augue at eros pellentesque dapibus pretium augue aliquet. Pellentesque enim dui, consectetur tristique fringilla ac, bibendum non odio. *Nulla egestas ante sed diam gravida congue. Maecenas tincidunt magna sit amet sapien consequat sed lacinia nibh hendrerit.*

Donec pulvinar dolor eget nisi feugiat non blandit leo euismod. Nulla vulputate hendrerit sagittis. Aliquam consequat sagittis nisi ac dapibus. Nullam mauris sapien, dictum quis tempus sed, malesuada sed erat. Duis nec hendrerit erat. Morbi elit sapien, placerat ut lacinia vel, sodales dictum tortor. Praesent sed risus libero, sit amet auctor leo. Nulla facilisi. Donec tellus ante, suscipit eu dignissim eu, vehicula ac odio. Duis viverra facilisis risus non scelerisque. Vestibulum semper elit eu sem porta sagittis. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Curabitur vel eros nec diam dictum ultrices.

In hac habitasse platea dictumst. Ut vel est ullamcorper ipsum rutrum convallis at non orci. Pellentesque lobortis faucibus ornare. In est nunc, aliquam at vulputate sed, facilisis non nisi. Maecenas a lacus odio, nec rutrum sem. Aenean id turpis odio. Integer id dolor sit amet dolor blandit venenatis a id augue. Morbi laoreet arcu a lectus fermentum nec molestie felis pulvinar. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec vehicula, neque vitae accumsan accumsan, eros nibh vestibulum ipsum, placerat faucibus elit turpis vel lacus. Integer dictum interdum leo, non ultrices sem ultrices et. Vivamus adipiscing vehicula metus ut blandit. Aliquam vel velit risus, a scelerisque metus. Vivamus rutrum eros in lectus sollicitudin accumsan. Quisque suscipit magna sapien. Donec eleifend auctor turpis pretium vehicula. Aliquam at libero eros, at porta dui. Duis tristique ante quis massa tempor dignissim. Aenean sit amet nisl nec nisl malesuada ultrices.

Duis velit ante, consectetur vitae scelerisque eget, elementum et quam. Integer egestas bibendum nulla, ut varius nulla mollis sit amet. Donec dignissim rhoncus lectus commodo convallis. Duis posuere turpis vel dolor bibendum a hendrerit lectus faucibus. Aenean bibendum sapien convallis mauris pellentesque non varius libero auctor. Fusce tincidunt hendrerit dui, sit amet ultrices enim iaculis non. Suspendisse et enim mi, sit amet lacinia felis. Mauris eget augue velit, ac commodo mauris. Vestibulum auctor turpis arcu, vel imperdiet neque. Sed tincidunt sollicitudin ultricies. Aliquam sem turpis, semper placerat aliquam at, condimentum sit amet lorem. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Praesent egestas, lacus eget adipiscing sagittis, ligula quam molestie turpis, sed dapibus metus nibh vel magna. Cras sed turpis nibh, nec fringilla justo. Nunc a nunc magna. Morbi euismod justo at ligula consequat tincidunt mattis mauris vehicula.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Etiam lacinia sapien ut erat elementum at accumsan tortor rhoncus. Curabitur ultricies, nisl id hendrerit lacinia, lorem quam pellentesque odio, et pulvinar purus odio a eros. Nunc mattis vehicula dapibus. Pellentesque vel massa a est euismod euismod pharetra id ligula. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos himenaeos. Nunc nec nulla et turpis sodales bibendum in et nibh. Vestibulum sed neque in quam facilisis tincidunt. Nam elementum purus sit amet arcu sodales euismod. Ut sit amet felis lacus, in commodo augue. Pellentesque massa lacus, euismod a aliquam sed, adipiscing sit amet sem. Donec id lorem sit amet eros elementum accumsan vel id tortor. Suspendisse venenatis nisi vitae tortor tempor faucibus. Vivamus id scelerisque erat. Donec a velit diam, eget aliquet sem. Sed nulla

odio, pellentesque quis tincidunt sit amet, tempus eu leo. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis tempus, lectus id malesuada consectetur, diam leo accumsan nibh, vel porttitor sapien augue id sapien. Nam luctus ultricies enim at luctus.

2020/09/24 17:56

From:

<https://wiki.ciorcal.eu/> - **Ciorcal no Cearnog**

Permanent link:

<https://wiki.ciorcal.eu/doku.php?id=blog>

Last update: **2023/06/09 13:57**

