
DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/06 16:34

Somewhere behind 7 mountains, in the deep forest of an Elektron Lounge thread, I mentioned that I uploaded a program called "Machinedrum Morphor". Now this announcement gets its own thread :)

The Machinedrum Morphor uses the power of Lemur iPad to take sounds you can get out of a Machinedrum to another level. It features CTR-AL for not all but just some selected tracks with a slider similar to (or at least inspired by) the Octatrack's crossfader. I think that it is quite powerful and might be interesting for those of you who use a Machinedrum and have an iPad.

The Lemur app is quite expensive, but worth every cent when equipped with an appropriate template. Except my own template I'm only aware of one other template that can be found in the net: the MDC template. The MDC template has other nice features, e.g., control of FX settings without menu diving and multi-ball fields. If you like, the Machinedrum Morphor can be combined with the MDC template via copy&paste of container objects. You should just make sure that no global scripts/variables get lost.

Original thread: Elektron Lounge thread

The file can be found in the DL section, incl. a short documentation.

I'm looking forward to hearing how you set up/use the Machinedrum Morphor. Science lab thread: Lemur science lab

There you can also find a sound demo made by myself. However, I'm more of a straight-forward techno beat creator. I'm sure that this thing can do a lot more than just manipulate some straight-forward techno beats! :)

Have fun!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by Veets - 2013/04/07 08:57

Seems like a great tool and might tip me over into getting Lemur...

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by biologik - 2013/04/07 14:02

I'm integrating this into my current Lemur setup. Right now I have it controlling a bunch of gear but the ability to use CTL-AL machines on selected tracks is mind-blowing!

I have a gig on May 11th and will record the mayhem.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/07 15:47

biologik wrote:

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I have a gig on May 11th and will record the mayhem.

nice :)

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/07 19:36

Does anybody know, if the Novation Nocturn controller works with an iPad? Looks great for the needs of the Machinedrum Morphor. If not, do you have suggestions for a small controller? I'm going to add MIDI input.

Or maybe just that thing: LPD 8.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by void - 2013/04/07 20:08

I wish I had the cash for the Lemur app :laugh:

I haven't tried to connect multiple USB-MIDI devices to the iPad... is this possible with just the Camera Connection Kit and a USB hub?

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/07 20:46

void wrote:

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I think so, but didn't try it yet.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by biologik - 2013/04/08 01:56

I'll give it a shot if I can dig out my hub!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by bafonso - 2013/04/08 10:00

void wrote:

I wish I had the cash for the Lemur app :laugh:

I haven't tried to connect multiple USB-MIDI devices to the iPad... is this possible with just the Camera Connection Kit and a USB hub?

Yep, it sees all sorts of USB-MIDI devices at the same time.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by void - 2013/04/08 17:53

great!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by sicijk - 2013/04/08 19:41

Hey there MK7 ! :cheer:

Got the template up and running on my LegacyLemur

Anyway....i'm starting really right now to test all the functions/buttons...let you know!
But, is there a way to let MD to send a sort of snapshot of its Tracks' settings?

So Lemur immediately knows where to point all the Pads and Faders on the touchscreen.

Last two words....congratulations a lot for your programming...i wish i could 1/10th of yours...(do you do lessons =) ?)

Do you know Antonio Blanca?

P.S.
is for the example's sake allowed to use FUNCT+CLASSIC to reload?
CheerZ
d^_^b

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/08 19:42

btw, I have a version 1.1 in the pipe :) enhanced workflow, especially regarding auto mode (incl. changing track focus in the MD), and MIDI input. however, I'm going to test the workflow for a while and think about it to avoid update spamming..

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Sysex Question ** DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/09 22:52

I'm currently working on bidirectional communication between Lemur and Machinedrum. Sending track selections from Lemur to Machinedrum works quite well (this makes the workflow much more comfortable), parameter changes are easy to be implemented in a bidirectional way, but I don't understand how a transmission of track selections from Machinedrum to Lemur works. In the manual, there are 3 relevant sysex commands: Sysex status request, Sysex set status, Sysex status receive. For the other way round (Lemur -> MD), I use Sysex set status. Does the MD only communicate track changes upon request, not in case of a change?

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Re:Sysex Question ** DL // Machinedrum Morphor for iPad Lemur

Posted by sicijk - 2013/04/10 21:44

Hope it Will be implemented! The template is fucking funny...

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Re:Sysex Question ** DL // Machinedrum Morphor for iPad Lemur

Posted by void - 2013/04/10 22:11

MK7 wrote:
Does the MD only communicate track changes upon request, not in case of a change?

yes! you gotta ask it.

beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/11 01:12

the new version is almost done and has some nice new algorithms under the surface, for instance, smoother handling (no parameter jumps) whe pages or track selections are changed. however, these more complex implementations increase the risk of bugs. would any of you guys like to do some testing before I post the new version in this forum? please send me a pm.

i think the new version kicks ass, but maybe i'm just biased :)

@sicjik: Such a kit request would be nice but seems impossible due to a vector-length restriction.

@void: thx for the info. now i take incoming cc information as an indicator about the track from which it has been sent.

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/11 05:38

Test run of the new version, which is capable of much smoother automations:

<https://soundcloud.com/marc-und-moritz/10-04-13-another-lemur>

Every instrument follows its own route. For instance, when you tweak the pitch of one instrument up, deselect it, tweak the pitch of another instrument down, select both instruments and jump to a scene with medium pitch, they converge to medium pitch, but one instrument starting from high pitch, the other from low pitch (different morphing directions).

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by brucewayne - 2013/04/11 08:50

Wicked sounds you have there. I'll be glad to help testing the new template. Parameter morphing sounds great!

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by Ozone - 2013/04/11 09:22

I think I am gonna purchase iLemur and give this ace sounding template a whirl... just wondering if anyone has tested this with a midi merger for running external clock/program change messages from OT into MD or something along those lines at same time as Morphor? Guess if not i may have to jump in deep end anyhow :).

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/11 14:04

I combine it with clock from A4, bidirectional midi (sending midi from MD to Lemur), and a midi controller additionally sending data to Lemur, via usb hub plus merger plus splitter because the MD also controls a MBase, works fine.

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by previewlounge - 2013/04/11 15:34

i wonder if it would be possible to connect via MK7 template on iLemur on the iPad3 -> connection lead to macbook -> Ableton (or C6 app?) -> FF400 midi out -> Machinedrum midi in ... and then back along the loop from MD out to iLemur in via the macbook?

sorry for party rockin the convoluted question :D

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/11 16:18

Yes should be possible. You could even control other stuff on the route, e.g., Ableton live via a second Lemur page.

@brucewayne: I'm gonna send you an email tomorrow. Thx :)

EDIT: btw, the morphor can be set up to also take care of (some) internal synth machines. Just use 8 mode, selecter parameter page 1 and define some machine-specific parameter scenes to which you can always return when you would like to reset just that track. A lot can be done with that tool in its current state. Several feature ideas came into my mind that can already be achieved with the current interface.

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by ipassenger - 2013/04/11 16:49

MK7 wrote:

Test run of the new version, which is capable of much smoother automations:

<https://soundcloud.com/marc-und-moritz/10-04-13-another-lemur>

Every instrument follows its own route. For instance, when you tweak the pitch of one instrument up, deselect it, tweak the pitch of another instrument down, select both instruments and jump to a scene with medium pitch, they converge to medium pitch, but one instrument starting from high pitch, the other from low pitch (different morphing directions).

Still not managed to check out yr patch yet but the description of yr development sounds fantastic!

So you've managed to get the patch settings from the md to be loaded into lemur? So yr not facing a blank patch but the one actually set up on the md? I really need to take some time out to take a look at that. I'd heard that lemur couldn't handle long enough sysex streams to make it work.

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/11 16:52

No, I just save the last states of all instruments inside lemur. No sysex receive by lemur implemented so far, it just receives knob tweaking data and draws conclusions about track and page where the cc came from.

Re:beta testers? DL // Machinedrum Morphor for iPad Lemur

Posted by previewlounge - 2013/04/11 16:59

MK7 wrote:

t just receives knob tweaking data and draws conclusions

hmm... sounds sentient. o_0

it's aliiiiive!

Re:DL // Machinedrum Morphor for iPad Lemur

Posted by yourmama - 2013/04/11 20:42

hey there,

thanks for mentioning my MDC template.

can't wait to try morphor this evening, very looking forward to it!

cheers

Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/12 04:07

yourmama wrote:

hey there,

thanks for mentioning my MDC template.

can't wait to try morphor this evening, very looking forward to it!

cheers

nice to meet you!

previewlounge wrote:

MK7 wrote:

t just receives knob tweaking data and draws conclusions

hmm... sounds sentient. o_0

it's aliiiiive!

think carefully before you invite that thing to your home! :D

Re:DL // Machinedrum Morphor for iPad Lemur

Posted by Ozone - 2013/04/12 11:14

Hey MK7... been reading through the documentation and getting my head around the scope of this template.... Looks great 'as is'... but some more questions developed:

I understand there are 3 levels of scenes...

"8 x parameter scenes".... for the synth, fx and routing pages. Great.

"8 x arrangement scenes"... for tk selection, tk mutes & tk volumes. Cool.

"8 x Master scenes"... each slot stores 8 parameter scenes, 8 arrangement scenes & slider speed. Means u can access total of 64 parameter & 64 arrangement scenes. Sweet.

My questions regarding...

I wonder can these scenes be saved to a file of some sort, to be recalled in the heat of a live situation? I guess there is no way to tie Master scenes to particular MD patterns/kits but if we could name files as pattern number/kit name then that might be a workaround.

Otherwise do you tend to build scenes on the fly as your jamming?

If so I imagine a one "Master scene" would go quite a long way before needing to move to another.

Wondering if there is any way to access the Delay, reverb, compression and eq effects on another page and setting up an "effect scenes" group also. Just a thought. Might increase the possibility of Midi overload, but a way to mess with delay and reverb parameters specially would be awesome.

Anyway I have got Lemur up and running, and plan to mess around with this over the weekend. Thanks for the hard work.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by previewlounge - 2013/04/12 11:50

something that really jumped out from YM's MDC template was the multiball/pinball functionality ... looked amazing, and the sound previews of these wild pinball screens effecting the MD machine params was super awesome..

still on the fence about Lemur ... one day, one day...

love this extremely rad 'scenes' approach to the Machinedrum ... next level thinking ... Octatrack visits the house of the Machinedrum!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/12 12:49

@ozone: master scenes only store the selection of parameter and arrangement scenes, so it's only 8 par scenes and 8 arr scenes atm. I'm gonna think about your idea to approach master scenes like banks. My idea of master scenes was different: being able to very quickly select a combination of some buttons&the speed slider (I also add the 24 to the set of stored variables), precisely for the heat of a live situation. right now, the morphor is very much geared towards live tweaking, not just store a large amount of presets. I'm gonna think about your interpretation nonetheless, thx for posting!

@previewlounge: you're right, the MDC template makes sounds very alive with its multiballs. however, multiballs don't really fit into my approach, where all parameter automations are controlled by one single variable: slider position. I'm thinking about another way to get sounds more alive: a forth parameter page which controls the settings (wave, dest) of those nice 16 LFO's in the MD! this feature will come for sure but not sure if in v1.1 morphing lfo destinations, yummy :)

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by Ozone - 2013/04/12 13:56

Thanks MK7 for clearing that up.... wasn't entirely sure I was interpreting your readme correctly regarding the Master scenes.

So your saying that the Morphor will always store in memory (stored variables) the settings.

Thats good news, as is the possibility of morphing lfo dests :-D

I have some other questions regarding what happens when patterns change but will hold off until I get some first hand experience and see what floats.

Cheers!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/12 14:55

The Morphor ignores pattern changes in v1.0. In v1.1 it also ignores pattern changes :D but when pressing the init button, the last states (lower position of the slider) get back to default settings.

@Lfo discussion: i got an idea, it's so obvious that I didn't see it - the morphing process needs alternative waveforms.

EDIT: now I have the slider swinging on screen like a sine wave, pumping massive amounts of data (all CC's on all tracks if you prefer) like the diesel engine of a ship.. :D this mechanism definitely needs to be handled with care!

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/15 00:23

btw the new version is almost done, currently being tested by some friendly forum colleagues.

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by bafonso - 2013/04/15 06:01

Hi mk7

I recently got a MD and I'm still trying to figure out how to use it in conjunction with my mpc, etc. could you tell me what this lemur template provides or enhances the MD experience ?

I'm asking because I've been thinking about getting lemur for other duties for a long time now but this could tip me over... :)

Cheers
b

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Re:DL // Machinedrum Morphor for iPad Lemur

Posted by MK7 - 2013/04/15 15:46

Hey Bafonso,

The MD Morphor adds some features that the MD can't do by itself or which just can't be done on the MD because it's impractical to click so many things in a short period of time.

It reaches from something like CTR-AL to wild modulations which almost sound like audio effects although it's all just MIDI.

@CTR-AL: with bidirectional MIDI in V1.1, you can select tracks on the iPad, say High Tom, Mid Tom, Low Tom, tweak one of them on the MD and all of them are changed simultaneously. For instance, turning the filter knob on one of the toms applies a filter tweak to all three toms, but not all the other tracks on the MD. When using "conventional" CTR-AL (which is one of the greatest features of the MD in my opinion), all tracks are modified, including kicks. This makes CTR-AL difficult to use. My solution is easy and straight-forward, once you have all the MIDI cables plugged in.

Additionally, you can plug an external MIDI controller into the iPad (I use an USB hub plus MIDI merger/splitter). The MD uses quite a lot of CC's and doesn't have an auto track MIDI channel as can be found on OT/A4. With my solution, you just need 8 knobs (e.g., LPD8) and the iPad translates commands from these 8 knobs to MIDI CC and channel needed to tweak a specific track/page.

@effects: just listen to my posts on soundcloud. they don't even use the latest features, where the slider is LFO-modulated. these posts contain enough modulations to even convince long-time MD users ;)

In sum, I think it's a quite sophisticated tool which fills some gaps of the MD. However, if you're completely new to the MD, it might make sense to spend some time just with the MD first and then add the iPad.

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Re:DL // Machinedrum Morphor for iPad Lemur

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.....
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In sum, I think it's a quite sophisticated tool which fills some gaps of the MD. However, if you're completely new to the MD, it might make sense to spend some time just with the MD first and then add the iPad.

Holy Words!

:know:

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