Convert - this

into something like this!

KeyMce
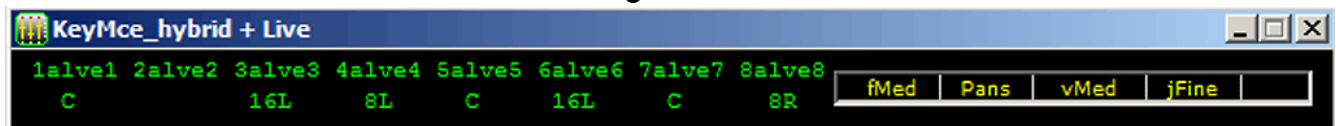
by

OneLeaf Sofware

Table of Contents

Description

Create/Mix your music without an external midi controller!

Control - faders/pans/sends/mutes/solos/arms in banks of 8 tracks (as many tracks as you have) along with a jog wheel on your mouse wheel, without mapping anything. Keep reading, there is more.

Designed for laptop - but works great with desktop too!

What it does -

KeyMce changes your PC computer keyboard into a midi controller, sending midi messages similar to the Mackie Control Universal (tm mackie) *to daw* (digital audio workstation) to control.
> *If you don't understand, watch a [video](#) of a bcr2000 emulating a mackie with Ableton Live.*

Faders, pans, sends, mutes, solos, arms, jog wheel, and more all pre-mapped for ease of use.

Just select the control surface in daw, along with setting up KeyMce midi ports *(virtual*

midi port required), reload project and enjoy.

Introduction –

KeyMce continues a series of PC midi tools (including GenMce – Redux) from OneLeaf Software (Kip Chatterson).
It grew out of the developer's obsession with mackie emulation - creating GenMce, as well as several mackie emulation presets for the BCR/BCF2000, and the desire to combine functions of several similar programs developed 10+ years ago - Tobybear's Midi Control Center as well as Norsez Orankijanan's Relaykb, with mackie emulation.

More information on how **KeyMce** was created, as well as thanks to many people who helped on this project, is at the end of this document.

This program was designed to work in **Cubase/Nuendo, Ableton Live and Reaper**. It may work in other programs, your mileage may vary. Use of this program means you agree to the KeyMce_EULA.txt. No official support provided, forum will be developed, if needed, contact keymcesupport@gmail.com for help.

Trial Beverageware –

KeyMce is Trial – Beverageware **-** See KeyMce_EULA.txt.

- Evaluation period is 10 days, from first run – use that time to determine if KeyMce is compatible with your hardware/software/workflow/os etc...

    - KeyMce is fully functional – however, it will *expire after 10 days*.

    - After 10 days, you must register to continue using.

- As per Keymce_EULA.txt there are two levels of licensing.

    - Commercial use – donate $20 (six quality beverages).

    - Non – commercial use – donate $5 (one quality beverage).

        - This barely compensates developer for writing this document, let alone KeyMce.

        - It does say "thank you".

- Use paypal "send money" to k5kip_1999@yahoo.com or use paypal button on site. *All donations guaranteed to be used for a beverage purchase.*

System Requirements

- Windows XP. Vista or Win7 (see next bullet).

- Midiyoke or some other virtual midi port driver is required to use this program.
  Apparently, midiyoke does not install on Win7 easily.
  **Troy says - "manual install of midiyoke worked for him on Win7. "*
- **US English, qwerty/German qwertz, keyboard layout.** QWERTZ (German) supported - with encouragement from Wolfgang. *(If you desire something for another country or language contact the developer, it may be possible)*

Features – KeyMce – ver.0.80

*All of the following are automatically mapped for you.

- Built in LCD emulation!
- 8 Faders + 1 Master fader
    - Multiple/simultaneous faders possible (total depends on your computer)
    - Fader feedback - eliminates fader jumps
    - Fader speed adjustment
    - Bankable in groups of 8 to 48 tracks
    - Fader reset to 0db
    - Master fader
        - Reset to zero db
        - Set to -inf db (mute master)
- 8 vpots (pans/sends/eq/plugins/returns) dependent on daw
    - Mulitple/simultaneous vpots (total depends on your computer)
    - Vpot speed adjustment
    - Bankable in groups of 8, when set to *pan*, to 48 tracks
    - Reset to center, for pan
    - Pans – faders *can* be used at the same time
    - Vpot mode selection (pans/sends/eq/plugins/returns) dependent on daw
        - Reaper = pans
        - Live = pans/sends/plugins/returns
        - Cubase/Nuendo = pans/sends/EQ/plugins
        - Other daws - contact developer to help test and setup
    - Sends - work on *selected track* - 8 sends per track, possible
- 8 Multifunction mutes
    - Mutes/solos/arms
        - Single press = mute
        - Double press = solo
        - Triple press = arm track
    - bankable in groups of 8 to 48 tracks
- 8 channel selects / vselects bankable.
- Jog wheel -
    - located on mouse wheel
        - when left win key held down
        - external wheel mouse highly recommended or this is useless!
    - Jog speed adjustable
- Extensive support for Cubase - EQ, insert and plugin
- Extensive support for Ableton Live
    - Live - sends/plugins
    - Returns - wow - hard to explain - but very very cool - Returns = faders/vpots/multifunction mutes now automatically mapped to control your return tracks
- Autodaw detection for Reaper/Cubase(nuendo)/Live/Adobe* Audition/Sonar* (Sonar requires a system exclusive message to be sent "leftControl" + "backspace" sends it)

*Need testers for other DAW software!

Installation

Before you run this program - *you must have a virtual midi port driver installed. Midiyoke is good choice.*

KeyMce *does not* include an installer program.
It *does not* write anything to the registry.
It *will not* ever access the internet at any time. (if it does you have a hacked version)... Except for check website, when you tell it to.

Steps to install

- Open the archive (zip file).

- Copy folder KeyMce to program files (or location of your choice).

- Run KeyMce_xx.exe. When KeyMce is run for the first time, the filename.ini file will be created inside folder.

    - The first time this program is run, it will complain with an error message and prompt you to select your midi ports.

    - *The routing example will show automatically.*

        - *The hardest part of using KeyMce is setting your midi ports correctly.*

        - *Settings as shown in example, strongly encouraged.*

    - Select your midi ports.

    - Once ports selected, settings will be saved (Keymce will create filename.ini file in it's own folder) you will not be prompted again, unless there is an error.

    - Be aware – if you add/remove midi devices to your computer (ex:*Illustration 1: Port Selection* unplug a usb midi device) you *must* change your midi settings in KeyMce.
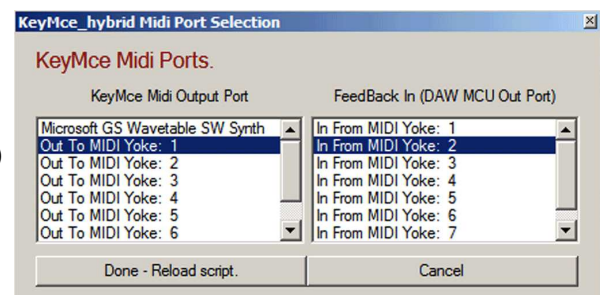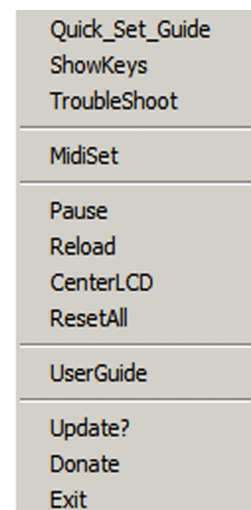
Tray Menu

You can modify your setup, as needed, using the tray menu icon by *right clicking* on the menu icon.

- Quick_Set_Guide – image to to help setup. (needs revision)

- ShowKeys – shows keyboard layout. (not finished)

- Troubleshoot – shows common problems.

- MidiSet – sets midi ports (see image above)

- Pause – pauses program

- Reload – will reload this program

- CenterLCD – will recenter the display to top center.

- ResetAll will delete ini file, all settings will be lost.

- About – just about version, etc...

- UserGuide – opens pdf file.

- Update? - Will open browser to home site of KeyMce.

- BeverageWare – if you use program this, buy me a beverage!

- Exit – exits program.

Reaper Setup

Options > Preferences > Control
Surfaces (near the bottom)

Add

- Mackie Control
  Universal(see image)

- Select **Reaper MIDI
  input** (*KeyMce
  output*)

- Select **Reaper MIDI
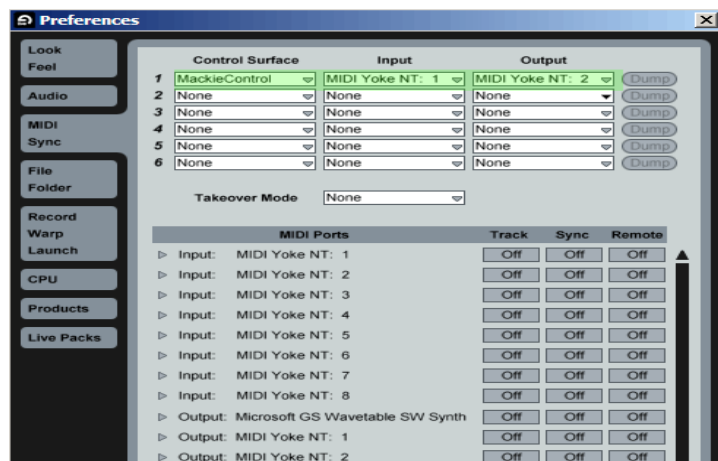 output** (*KeyMce
  input*).
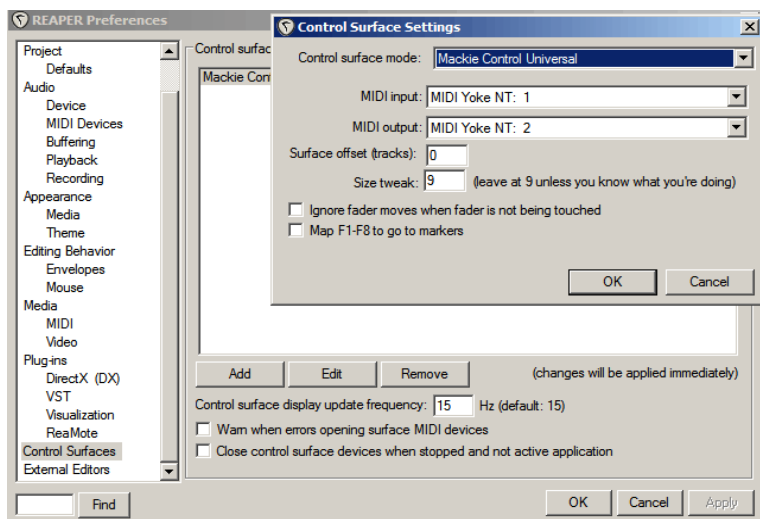
*If faders drop to inf dB when you try to control them, confirm your midi ports are
configured properly by checking (right click on KeyMce icon in taskbar). Also – make
sure you reload the project.*

Ableton Live Setup

On the menu select

Options>Preferences>MIDI Sync

- Set the control surface to
  "MackieControl"

- Set the Input port to the
  same Output port you have
  defined for KeyMce.

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- Set the Output port to the *same* Input port you have defined for KeyMce.

Start up order *is* important!

This program has *fader feedback* to avoid fader jumps when faders are moved. The only way for this to work is to follow this order.

1. **<u>Always, start KeyMce first.</u>**

2. Then, open file/project in daw.

3. If your faders drop to inf db or are not tracking properly, reopen the *project file* and *check your midi ports - the midi input port in KeyMce and the midi output port from daw <u>must match</u>.*

Main display

Active tray icon (may change in future)

The main display shows status of several controls, use it for reference when working, as needed.

(need new image here)

f*Fine*	This indicates the speed setting of the faders.
	Use the "left shift + f9." key combination to set fader speeds.
PAN:	This indicates the vpot mode. "Single tap *f12"* = pan, double tap *f12* = sends.
	Single tap *f11* = EQ (cubase only), Double tap f11 = plugins
j*Med*	This indicates the speed of the vpots (explained below).
	Use the "left ctrl + f9." key combination to set vpot speeds.
j*Fine*	This indicates the current jog speed *"left alt + f9." key combination to set jog speed. (Fixed for Reaper)*
shift	This indicates which modifier key is on; "Right Shift" = shft, "Right ctrl + R shift" = Alt, "/" = Opt and "Right Ctrl" = Ctrl. (modifiers need an explanation - todo)

Key Commands –

Bank Left and Bank Right

- The "[" key banks back in groups of 8 tracks at a time. (qwerty)
- The "]" key banks out in groups of 8 tracks at a time. (qwerty)
- Banking groups: as many as you need.

Multi Function Mutes (mfms) (Mute, Solo, Arm)

F1 thru F8
> *F1 = track 1.*
> *F8 = track 8.*

> *Single press* = mute

Double press = solo
Triple press = arm.

Channel Select/Vpot select – same keys as mfm+leftwin

Related – "leftwin" + "F1 – F8"

Single press = channel select or chselect
　　　Channel Selects – select channels/tracks.
　　　Example – leftwin + F2 will select track #2 if on first bank.
Double press = vpot select or vselect

-
- Press and hold "left win" and press "F1" to select track 1,
- Vselects " 　　　　 " and double press F1 to vselect track 1.
- Vselect on when vpots are on Pan will recenter the pan.

Example -Using left win + double tap F2 will *recenter* pan on track 2, if your bank is on TR 1-8.

Vpots - What are vpots?

Vpots – are controls that have multiple functions -

*Keys "1" - "8" value up or left.*

Keys "Q" - "I" value down or right.

Function depends on vpot mode – possible modes:

- **Pans** (**only function that works with Reaper).* Unless you use Klinkle's plugin (untested).

- **Send** levels – control the send levels of the selected track.

- **Plugin** (editable parameters for vst devices) – Control the selected track's, vselected plugin's parameters. (This is hard to explain – add video link to the bcr2000 demo of preset)

- *Returns* – control the return tracks vpots/faders/mfm's (depending on daw (this works only in Live))

- **EQ** – control eq values for daw (not tested – author does not have a daw this works with) (does not work in Live does in Cubase).

Vpot Mode - functions (stated above) are changed by the pc hotkey assigned to F10, F11 and F12.

Pans
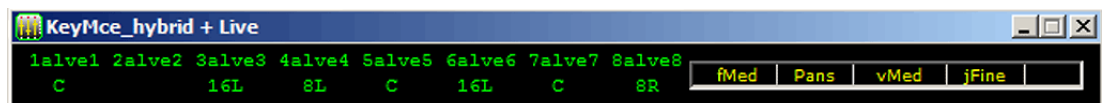
- Keys "1" - "8" move pans left
- Keys "Q" - "I" move pans right
- You know you are in pan when the "Pans" word shows.

- Also – not the pan postions on the LCD. *pans indicator (yellow word) may disappear in future versions.*
- Track 2 (above) does not show pan because it is a midi track in Live.

Sends

Description may come soon.

Plugins

Same here.

Returns

Ableton Live allows control of the Return tracks, faders vpots mutes are automatically   mapped to the return tracks!

- Returns only work in Live.

- F10 double tap – will bring above screen.

- LCD will display return tracks (above image has two).

- Vpots will control pans/plugins/sends of the return tracks now. (above example shows pans. F12 couble press to change to sends or f11 single press for plugin single f12 always brings back to pans.)

- Faders will control the level of the return tracks.

- Now that is awesome! Good design by Ableton!

- *This can get confusing – so play with it.*

Track Faders

- Keys "A" - "K" move faders up.
- Esc + "A" - "K" reset track fader to 0db.
- Keys "Z" - "," move faders down.
- Multiple simultaneous controls work; number of simultaneous keys depends on computer and keyboard. *The dell d520 laptop,* **KeyMce** *was written on, can do 8 simultaneous faders or pans or a mix of them.*
- If faders do not seem to be working properly, reload your project, if necessary reopen daw, and check midi ports.

Master Fader

- "<mark>Esc + arrow up</mark>" combo moves the master fader up.
- "<mark>Esc + arrow down</mark>" combo moves the master fader down.
- "<mark>Esc + arrow left</mark>" combo moves the master fader to inf dB.
- "<mark>Esc + arrow right</mark>" combo moves the master fader to 0dB.

Flip
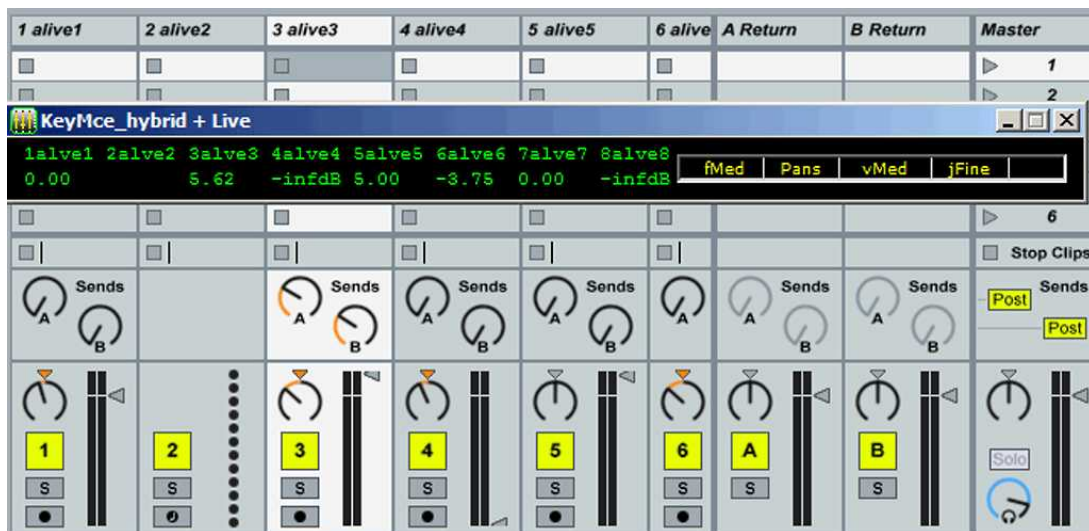
- The "<mark>F10</mark>" key activates flip function. (when flipped display shows volume amounts
- When flip is active pans and faders trade functions.
- *Note track2 above is a midi track, no fader or pan or send (therfore not shown on display either) it is not a bug.*

<mark>Pause</mark>

Tray Pause Icon

Main display shows controls are suspended (paused)
When you press the "<mark>pause</mark>" key on your keyboard –
KeyMce is suspended and you can type. Press it again
and program reactivates. (Pause also available on tray
menu)
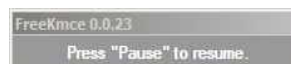
Pause Display

As mentioned the "pause" key suspends KeyMce's operation and allows all keys to pass.

Tips

You can move as many faders or vpots as your keyboard will allow at the same time, up or down, left pan or right...

- Play with it.
- If faders drop to inf db you should reopen the project.
- In getting used to using KeyMce, make sure to work in a project you are not worried about or that is backed up. As always, use this program at your own risk.
- RTFM (you already did), nice work!
- Make sure you understand banking. Not the financial industry!
- Remember if Pans and Faders seem exchanged hit "F10" to flip back to normal function.

Keymce - History

This program grew out of the developer's experience -

- Learning about what a mackie can do on the Ableton Live Forum - If you don't know click here.
- Work with Art Hunkins on vbs scripts for midiox for the Tascam Tmd-1000 in 2006 which was pivotal to my obsession with mackie emulation for controlling audio software.
- The desire to combine functions of two similar programs developed 10+ years ago - Tobybear's Midi Control Center and Norsez Orankijanan's Relaykb, with mackie emulation. (ascii to midi cc)
- Generating several mackie emulation presets for the BCR/BCF2000.
- Creating GenMce with Synthedit.
- Collaboration with Rockum on FreeMce beta (released by Kip Chatterson and Rock Kennedy – *Rockip Launch* 4.2009) which ended in November 2009 and is no longer available.
- This program is the end of this obsession with mackie emulation. OMG I wish that were true.
- See GenMce – Redux!

KeyMce appears similar to FreeMce beta, however, this program is not *FreeMce* - as Word and Open Office (writer) are similar, but not the same.

Development -

This program was created with, Autohotkey, a free scripting program, from information posted at the autohotkey forum.

Here are 2 threads pivotal in KeyMce development – midi out and midi in.

Snippets of code, have been posted as well as source of older KeyMce 0.56 is available. At this time this program is *not* open source. If you are working with ahk and midi and have a question, or *if you know how to handle sysex midi messages in ahk* – Dorfl68 has solved this problem, see thread above.

Automation. Hotkeys. Scripting.
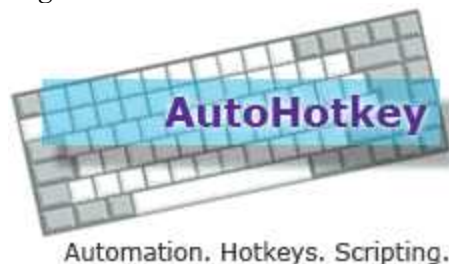
Special thanks to many people at the ahk forum – including but not limited to Rockum (for his awesome work with me on FreeMce), Dorfl68 (LCD emulation), Troy (for the much needed encouragement and gui code troubleshooting), JimF (QWMidi creator – for solving several problems), Kudos – for software protection (not used in this version), Laszlo (what

can one say – his contribution is huge), TomB (the midi output process), orbik (the midi input process), and robcheese (combining the midi in and midi out into one script). Outside the forum – thanks to Nicholas and Wolfgang – the ONLY ppl to donate when this was beverageware (cheers!). Without these contributions, this program would not be possible. Finally, a big thanks to Art Hunkins for getting me interested in mackie emulation in the first place back in 2006 with his work on the vbs scripts for midi ox. Now the question is why have I wasted 4 years of my life on this and why did I not just start with java to do this?

No warranty of any kind offered, as is, use at your own risk.