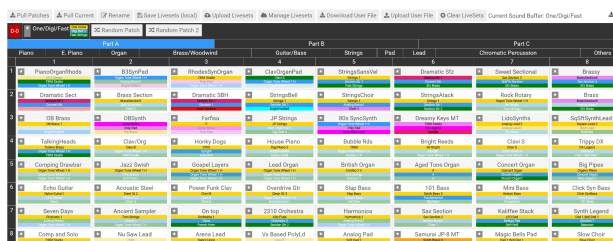


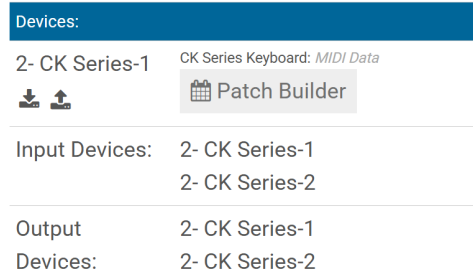
General Information

- The MusicianIO Yamaha CK 61/88 MIDI Tools (CK Ninja) is a web-based application for Yamaha CK keyboards.
- It allows you to create Live Sets quickly using existing Parts, generate random Live Sets, or random parts from the CK voice library.
- Runs in your browser (no software to install). Relies on the Web MIDI API (most modern browsers). Unfortunately IOS devices (iPhone and iPad) don't support Web MIDI API, so it won't work on those (Apple's rules, not mine).
- The application is written by me (Randy Gonzalez). I'm a retired web application developer who worked as a professional musician back "in the day." I'm still playing out a couple times a month and still writing software (cause I love to do both). This is a "passion project" and I'll do my best to keep this doc updated as I make changes or add features.
- If you have feedback, please leave it in our [Musician IO CK61/88 Tools Users](#) Facebook user group.



System Requirements

- **Compatibility:**
 - The application functions on computers or tablets with browsers supporting the Web MIDI API (e.g., Chrome, Edge, Firefox).
 - iOS devices (iPads/iPhones) are not supported due to the lack of Web MIDI API support (an Apple restriction).
- **Hardware Requirements:**
 - A Yamaha CK Series Keyboard (CK61 or CK88) is required.
 - Connect the keyboard to the computer using a USB cable from the CK's TO HOST port to an available USB port.
- **Browser Permissions:**
 - The browser must be authorized to "Control and reprogram MIDI devices." Locate the piano keyboard icon in Chrome's address bar (right side) to grant permission.
 - Assuming you've got a proper setup in place, you should see a Patch Builder button on the main page. See Troubleshooting section if it ain't workin'!



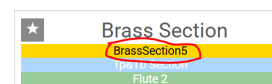
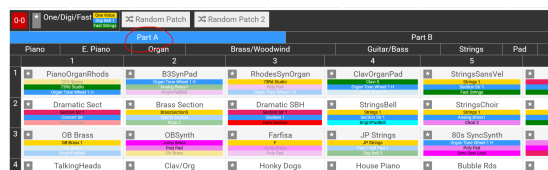
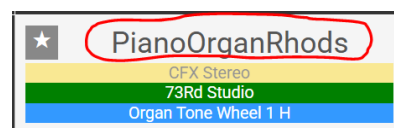
- **General CK Settings:**

- For full functionality, you may need to set some settings so that your CK sends and receives all appropriate MIDI data.
- On the CK's front panel:
 - Menu/General/MIDI/MIDI Port/USB: set to On
 - Enables the CK to send/receive MIDI via USB port
 - Menu/General/MIDI/MIDI Channel/Transmit: make sure NOT Off
 - Ensure the MIDI messages are being set out from the keyboard
 - Menu/General/MIDI/MIDI Control: set to On
 - MIDI messages sent when you turn the knobs/sliders
 - Menu/General/MIDI/Advanced/TX/RX Pgm Change: set to On
 - MIDI messages sent/received for Live Set changes.
 - Menu/General/MIDI/Advanced/TX/RX Bank Change: set to On
 - MIDI messages sent/received for Live Set Page changes.

Patch Builder

- **Quick Start:**

- On your first time load of the Patch Builder, you'll be presented with a complete set of sample Live Sets for you to experiment with. Hover your mouse over buttons and parts of the page for tooltips.
- Let's play around a bit before we dig into all the details:
- Each Live Set has the Live Set Name and then the three Part's voices listed.
- Click on the patch name to send that patch to your CK's current active Live Set's buffer (this does not store the patch on your keyboard, it just basically virtually turns all the knobs on your keyboard to edit the currently active Live Set to reflect the selected Live Set. If you want to store it, that Live Set would need to be saved using the CK's front panel STORE functionality.
- With the initial sample (PianoOrganRhods), the Part A (CFX Stereo) is turned off. Go ahead and turn Part A on (press the ON/OFF button above the A button on the CK).
- Note that Part A is the currently selected target part. Now, any Part on the entire grid that you click on will send just that Part to the current Live Set sound buffer's Part A.
- Click on any existing Part (Brass Section5 in the example). That Part will be sent to the current Live Set's Part A. The Part will include all Filter, EG, Drive and Effect settings of the source Part. Play the keyboard and check out the new patch. Go ahead and click on other parts in the grid to try other combinations.



- Now click on the Part B header bar to make Part B the active target, and click a few more parts to hear any changes.
 - Go ahead and try some different sounds on Part C while you're at it.
 - Boom! You've made a completely new custom Live Set.
 - Go ahead and click the Rename button at the top of the screen and give your new Live Set a new name (again, this won't be saved until you go through the standard STORE procedure on the CK's front panel interface). Yes, this is way easier than menu diving on the keyboard!
- Instant Inspiration
 - Now that you've tried building your own Live Set. Here's two quick ways to get instant inspiration.
 - Click on the Random Patch button (Shortcut key: 1)
 - The application will create a complete Live Set from 3 random Parts and generate a name to let you know what's there.
 - Click on the Random Patch 2 button (Shortcut key: 2)
 - Ooh, another completely different random Live Set
 - What's the difference?
 - Random Patch: Produces a random Live Set from Parts in the current Patch Grid (i.e. Parts that are proven from your current library).
 - Random Patch 2: Produces a random Live Set from all available Part Voices in the CK keyboard (i.e. Parts based on Voices that you may have never used before). Various Filter, EG, Drive and Effect settings may also be applied to each voice. If you're looking for something "outside the box", click this button a few times and see what you get.
 - Again, with either of these buttons, if you find something you like, you'll need to manually save it to a Live Set on the keyboard using the STORE button on the CK's front panel.

Troubleshooting

- Connecting the CK
 - Try refreshing the CK application web page.
 - Is the CK keyboard on? Or have you tried power cycling it (turn it off, then back on).
 - Is there an appropriate USB cable between the CK Keyboard and the computer?
 - Is the CK's volume slide all the way down? If you're using a FC type volume pedal in Pedal2, is it all the way down?
 - Try refreshing the CK application web page (after checking all above).
 - Are there any other applications or web pages accessing the device?
 - Have you tried rebooting the computer to potentially reset the MIDI bus?
 - Does your CK keyboard MIDI name have "CK Series" in its MIDI input/output device name? The application is looking for that text string to identify a CK keyboard.
- Live Set Select Doesn't Work

- On the CK's front panel:
 - Menu/MIDI/Advanced/TX/RX Pgm Change: set to On
 - Menu/MIDI/Advanced/TX/RX Bank Change: set to On
 - Note: I can do this programmatically in the tool, but I'm committed to not changing your keyboard settings, so for now the fix is to adjust the settings yourself.

Notices

- This software is provided as is and no warranty is expressed or implied as for it's usability or functionality. I don't care if it works for you or not. It'll be in perpetual Beta testing going forward and its use is at your own risk. It's just available if you're interested and find it useful. I'm not entering any agreement with you for any purpose as a result of you using this site.
- I don't track you or anything about you (I may put Google Analytics on the site at some point in the future just to get some ideas on whether it's worth spending any time on, but for now, it's just a web page you can use if you want, or not).
- The site does not intentionally upload or pull any of your keyboard's patches up into our servers/cloud. This site isn't intended to be a user patch sharing site and the application keeps your patches in your local session. Your patches are transmitted from your CK keyboard to the web browser's local memory and are maintained in the browser's session while you are on the page. This site does use your web browser's built in local storage functionality to hold its local patches between sessions (this is managed by your local web browser, that data is stored on your local hard drive and we have no access to it).
- This site does not intentionally save any patches or data to your CK devices storage memory. All changes are sent to your device's current sound buffer via MIDI Control Change commands (the functional equivalent of turning all the knobs on the keyboard's front panel). The application is not intended to transmit SysEx data that will cause any data to be stored in memory on your CK keyboard. If you want to save a patch created with the application, use the CK's normal STORE functionality from the keyboard's front panel. Use of this application is at your own risk and I assume no responsibility for your equipment or any damage the application's use may cause. Your use of this application indicates your agreement with these terms.
- The random patch names are generated based on the internal Yamaha voice names. Any patch name that happens to match anybody else's patch names are purely coincidental and not intended to reflect ownership or infringe on any copyright you have on the crappy patch you think is so special.
- Some of the sample patches provided may have come from Yamaha's Soundmondo website, if you're interested in getting more involved in the Yamaha CK community, you should definitely go check that site out.
- The random patch names are derived from the Yamaha CK internal voice names. They are typically truncated to the first 4 letters of the voice name, so yeah, you're going to

see an interesting patch name if you combine Finger Bass and Analog Brass. It makes me giggle, if you're offended, I'll probably giggle more! Teehee!

Change Log

- 6/25/2025
 - Initial Google Document Created and Published
- 7/1/2025
 - Added troubleshooting section.
- 7/7/2025
 - Added CK keyboard settings to ensure MIDI appropriate messages are sent/received to/from the CK.
 - Added shortcut keys to Random Live Set button instructions