

DJBB Midi Loopster

User Guide



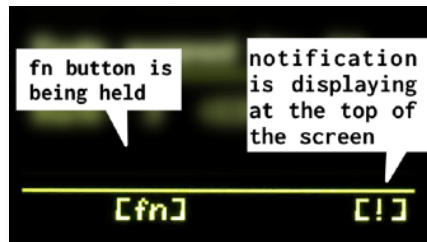
The DJBB Midi Loopster is a simple MIDI controller with a very simple looper feature. It does not care about tempo, can't save loops, and isn't precise - but all of this makes it quick and fun to use and experiment with.

The hardware and software are open source, but I also sell kits and full units @ djbajablast.com

[More on the design / build / background process here](#)


General Interface

To move between setting pages, click the encoder. The  icon on the bottom of the screen indicates that turning the encoder switches menus.

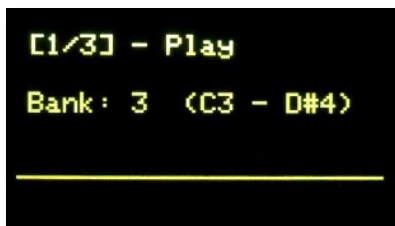


Function button held and notification icons.

Screens / Settings

Make sure you are not in  screen navigation mode, otherwise, encoder function will be overridden by screen navigation function.

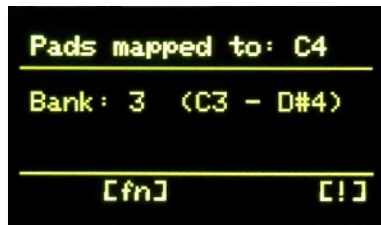
Play Screen



Play screen

Standard Mode

- To **Play Notes**, press the 16 pad buttons.
- To **Change Banks**, Turn the encoder.
- To **Set pad velocity**, hold pad(s) and turn the encoder.
- To enter **Single Note Mode**, hold **[fn]** and click a pad.
 - The pad's note will be mapped to all 16 pads with a gradient of velocities from 1-127.
 - To exit this mode, hold **[fn]** and click any pad.



Single note mode notification

Encoder Play Mode

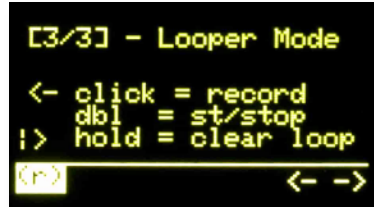
All functions from standard mode still apply, except for the velocity set function.

- To **Switch Between Standard and Encoder Play Modes**, double click [fn].
- In **Encoder Play Mode**, you can still play the pads as usual, but now if you hold a pad and turn the encoder, it sends a note for each “click”.
- Note that an off note will only be sent if you release the pad, or if you turn the encoder backwards, which immediately sends off notes for all pads.

Scale Screen

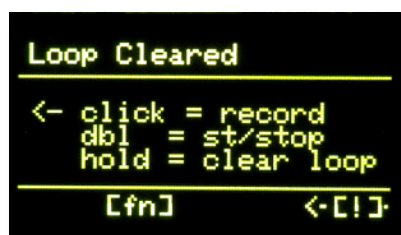
Turn the encoder to change between scales. In future versions of the software I want to flesh this out more. I hope to add a chord mode.

Looper Screen



Looper mode main screen

- To **Begin Recording** or **Stop Recording**, click [fn]
- To **Start** or **Stop** loop, double click [fn]
- To **Overdub** - add more notes to the current loop - click [fn] while the loop is playing. Click it again to disarm recording.
 - Only 50 notes can be recorded at a time
- To **Delete The Loop**, hold [fn].



Loop cleared notification after holding [fn]

Contact / Links / Etc.

Getting started with the Pico:

<https://learn.adafruit.com/getting-started-with-raspberry-pi-pico-circuitpython/overview>

Github Repo for this project:

<https://github.com/derrickthomin/DJBB-Midi-Loopster>

Support, questions, ideas?

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