# SK JACK (for Rack 1.0)

# Where is it now?

- Rack: 0.6.3c
- Custom binding layer
- Audio input/output
- Win/Mac/Lin cross-platform
- ~~MIDI input/output~~
- ~~Transport control~~
- ~~Sessions~~

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We support about 27% of what JACK can do.

We still need:

- ▶ Better lockstep (lag reduction w/ multiple clients)
- ▶ Midi in
- ▶ Midi out
- ▶ Transport (time) in
- ▶ Transport out
- ▶ Sessions (JACK, LADISH, non)

# In three months?

- Rack 1.0
  - Total API breakage
  - Polyphonic cables
  - Undo/redo
  - Relicensing

## Total API breakage

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And we're doing things that rely on Rack internals (black magic.)

## Relicensing

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Unlike almost every program that has a plugin API, open or not.

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41 unique commit-work hours.

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Or *297.25$* compared to flipping burgers on minimum wage.

This means we have (naive projection) another 151 commit-work hours to full support.

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Or 164 if we include upgrading to a new version of Rack.

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We also haven't tipped our artist :(

# Going forward

JACK support is *infrastructure work*.

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But there isn't a company or government absorbing these costs.

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*Krita* holds regular crowd-funding events to cover their full-time dev.

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(Octoprint's developer was hired by a company for a full year to this end.)

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I don't have a cushy job.

SK JACK and Skylights have worked on a purely donation model since inception.

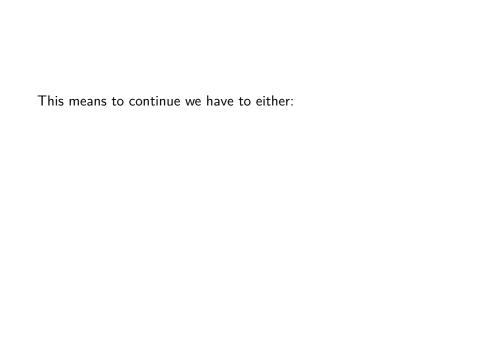SK JACK and Skylights have worked on a purely donation model since inception.

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( Thanks for the spotlight, Omri! :) )
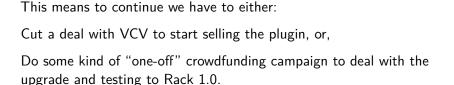
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(And possibly expanding in to supporting MIDI, Transport control, . . . )