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## Introducing the **BLACKBOARD** - the Elk Pi Breakout / Controller board

At the end of 2019 Swedish tech company **Elk** released an open-source version of their award winning **Elk Audio OS**, together with a custom **Elk Pi audio Hat** for Raspberry Pi. In short, Elk Audio OS allows you to run existing **VST** and other plugin formats on hardware instruments and audio devices in real time with ultra low latency. Together with the **Elk Pi Hat**, one of the most advanced pro audio Hats on the market, you get down to 1 ms latency, multichannel audio and support for **Raspberry 4**.

The **Elk Pi kit** has been a huge success, with developers across the world using the **Elk Audio OS** to create new exciting instruments and audio devices.

Now to make it even easier to get started with the **Elk Audio OS**, we give you the **BLACKBOARD - the Elk Pi Breakout / Controller board**.

*“We are overwhelmed by the success our development kit has reached so far. Now we want to lower the threshold even more for people to get started. With the **BLACKBOARD**, absolutely no soldering or experience of building hardware is needed. Just put it on top of your Elk Pi and you have a small desktop synth or FX unit ready to go. With all the pre ported open-source software we have made available for the Elk Pi you could build your own synth or multi FX unit with the Elk Pi and **BLACKBOARD** in a very short time.” - Michele Benincaso, CEO Elk*

The **BLACKBOARD** fits on top of your **Elk Pi** and gives you easy solderless access to:

- 6 audio in (2 switchable between audio / cv)
- 6 audio out (2 switchable between audio / cv)
- 2 fixed cv out
- 4 gate out
- 2 gate in
- MIDI in/out (minijack)
- 4 faders with LEDs on top
- 9 buttons with LEDs above each
- 1 potentiometer
- 1 encoder with push button
- 128x64 monochrome OLED display

The **BLACKBOARD** was meant to be revealed and on display at this year's cancelled Superbooth, but can now be ordered from [www.elk.audio](http://www.elk.audio) now.

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**Elk** is a Stockholm based company that develops technologies enabling a new generation of connected musical instruments and audio devices. **Elk's** ambition is to create new ways to bridge the gap between musicians and technology, changing how to learn, create, record and share music.

**Elk Audio OS** is Elk's patent-pending core technology. Elk is a Linux based Audio Operating System developed to deliver ultra low latency audio performances in embedded systems and over remote networks. Elk allows you to leverage the power of software technology in a new generation of smart musical instruments and online services that will connect musicians around the world.

## Photos



Print-ready, hi-res image: <https://elk.audio/about-us/gallery/>