



## EigenD System Release Notes

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Release: **2.1.0-experimental**

Release Category: Experimental

Download location: <http://www.eigenlabs.com/downloads/releases>

### Release Chronology:

- Release 2.1.0      2<sup>nd</sup> June 2014      First Experimental Release.

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# 1 – Introduction

The 2.1 series of EigenD is the first release to move community-driven development. The infrastructure has been put into place for external contributors to work with the entirety of EigenD's sources. All the features of the Pro version have become available to every EigenD user.

The contributors to EigenD are:

- Mark Harris
- Ferdinand Strixner
- Duncan Foster
- John Lambert
- Jim Champan
- Geert Bevin

The official documentation for EigenD can be found on the wiki:

[http://www.eigenlabs.com/wiki/The\\_Official\\_Documentation/](http://www.eigenlabs.com/wiki/The_Official_Documentation/)

As with the 2.0 release, the core elements of 2.1 are built from the open source EigenD repository which can be found on github:

<https://github.com/Eigenlabs/EigenD>

The initial phase of EigenD 2.1 was still on under the auspices of Eigenlabs and created the foundation for a clip-based real-time performance environment, called the Conductor. Many required internal EigenD changes were implemented but the Conductor agent and Stage widget are not in a state yet where they are generally useful. The community is taking over this development now and it will be improved with later releases of EigenD 2.1.

## 2 – New features

### EigenD

- Basic support for VST 3 hosting
- Improvements to MIDI time-stamping
- Workaround for MacOSX Mavericks AppNap
- AudioUnit parameter change event improvements
- AudioUnit parameters now take min and max bounds into account
- AudioUnit parameters can now be configured with negative base values
- Added dedicated Bypass button to the AudioUnit hosting window
- New MIDI Processor agent allowing for filtering and re-mapping of MIDI messages
- Routing Matrix parameter boundary knobs now support holding Cmd/Ctrl for fine-grained control over the values
- Added support for '*midi clock start*' and '*midi clock stop*' verbs to the Midi Converter agent to directly send those commands through talkers without having to run a MIDI clock.
- Support for HiDPI screens
- The Resources and Runtime packages have been updated to latest media versions and have been split into two independent installers. Allowing for the installation of EigenD with just the smaller Runtime download for users that are not interested in the additional media resources.
- Underlying foundation for the Conductor
- EigenD can now be built on MacOSX Mavericks and using Visual Studio 2012, including the Express edition

### Workbench

- Tabs can individually be closed
- Rendering performance improvements
- Support for HiDPI screens

### Stage

- Support for HiDPI screens

### 3 – Bug fixes

- Release 2.1.0-experimental (since 2.0.74)
  - EigenD
    - Stability improvements to AudioUnit and VST hosting
    - Fixes to decimation for per-note MIDI CC messages
    - Fixes to load verb for factory setups
    - Fixes to MIDI note off decoding

## 4 – Known issues in this release

- EigenD
  - EigenD should prompt user to save setup before quitting
  - Sometimes scaler lights don't change until key press
  - Creating a second interpreter makes EigenD unstable
  - EigenD 2 doesn't launch properly when another user has installed the resources
  - EigenBrowser and EigenCommander are not behaving correctly on MacOSX Mavericks
- Workbench
  - Property editor requires better layout and various improvements
  - Wiring trunks is fiddly
  - Audio buffer size incorrectly shown as zero
  - Drawing for hooks and trunks is wrong when dragging a group of items
  - Trunks should be hidden if only used by hidden wires
  - Can't make a port on a rig gateway a reverse connection
  - Boxes moved automatically do not remember more than 1 level of position
  - Can't shrink a trunk round a corner in a single drag