



EigenD System Release Notes

Eigenlabs Ltd.
+44 (0) 1392 823000
support@eigenlabs.com

Release: **1.3.16-testing**
Release Category: Testing

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

Release Chronology:

- Release 1.3.8 23th December 2010
- Release 1.3.9 10th January 2011
- Release 1.3.11 28th January 2011
- Release 1.3.13 4th February 2011
- Release 1.3.14 10th February 2011
- Release 1.3.16 9th March 2011

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1 – Introduction

The 1.3 branch is the first branch to introduce the Stage tool in EigenD. It's now considered feature complete and has been promoted to the 'testing' status. New features will now be added in the 1.4 branch. The 1.3 branch will receive bug fixes only.

1.1 – Stage

Stage is a graphical user interface for accessing parameters in EigenD setups. Stage allows users to create customized layouts of on-screen controls, such as sliders and knobs, to manipulate the setup parameters that they would like to control.

To open stage, click Tools->Stage in the main EigenD menu.

For more details and instructions on using Stage, see the Stage Documentation Wiki:
<http://www.eigenlabs.com/wiki/Stage/>

1.2 – New routing matrix

As of release 1.3.7, the controller routing matrix for the AU/VSTs is now also capable of configuring which MIDI messages should be sent. This MIDI routing functionality is also available for the MIDI output instruments and will appear as 'Midi Converter' in the 'Window' menu of EigenD.

The capabilities of the new routing matrix are much more versatile than before. For details and instructions on how to use the new routing matrix, see the corresponding documentation in the wiki:

http://www.eigenlabs.com/wiki/Routing_Matrix/

2 – Bugs fixed in this release

The 1.3 branch contains all bug fixes from Release 1.2.8 onwards.

- Release 1.3.16-testing
 - ASIO compatibility improvements.
- Release 1.3.14-testing
 - Fixes to Belcanto interpreter.
 - Better error handling for early startup problems.
- Release 1.3.13-unstable
 - Fix to polyphonic aftertouch not sending out data at times when multiple keys are pressed.
 - Fixes to rate decimation where only the first key would send out fine-grained data.
 - Fixes to AU, VST and Midi Converter settings loading with regards to properly restoring rate decimation, note on/off and pitchbend states.
 - Fixes to automation parameters for AUs that expose them late. This fixes parameters not displaying for some Arturia plugins.

- Fixes to controllers; values can be controlled by both Stage and the keyboard again.
- Scripts now support comments.
- Release 1.3.11-unstable:
 - Fix to legato trigger in case less than 16 MIDI channels are in use.
 - Fix to relative strip signals to allow the last zero value to come through.
 - Make Alpha/Tau headphones more resilient with respect to different sample rates and block sizes.
- Release 1.3.9-unstable:
 - Stage widget steps set to appropriate default values in factory setups.
 - Fix to tabs not updating correctly when switching setups.
 - Fix to widgets being duplicated when exporting and importing tabs.
 - Fix to small steps on rotary knobs not working for large ranges (e.g. metronome tempo with a rotary knob with a step of 1).
 - Fix to Stage crash on exit in fullscreen mode.
 - Minor Stage UI fixes.
 - Fixes to setup upgrades from previous stable and testing releases.
 - Routing matrix UI stability fixes.
 - Routing matrix mapping improvements by making all bounds individually settable through the UI.
 - Fixes to MIDI packet timestamps for physical and virtual outputs. This should improve compatibility with Ableton Live.
- Release 1.3.7-unstable:
 - Fix to EigenD not starting if more than one network interface is in use, e.g. wireless and a VPN connection.
 - Fixed bugs in agent tree and widget updating when agent and atom names are changed using Belcanto.
- Release 1.3.6-unstable:
 - Fixes to crashes whilst changing setups for both Stage and EigenD.
- Release 1.3.3-unstable:
 - Fix crash in Stage when dragging an agent onto the canvas with no sub-tree.

3 – Bugs and known issues in this release

- Alpha and Tau are not supported under Windows.
- Windows Vista is not supported yet.
- Some non looping AIF's will still not play.

4 – Changes and Improvements

- Release 1.3.14-testing
 - Stage now includes tabs for the Factory Alpha Setups.
- Release 1.3.10-unstable
 - Stage now includes a progress status dialog to show the progress when it is busy

- receiving agents or tabs from eigenD.
- Stage will only now receive agents from eigenD in the create or help tool modes. This improves the start up time to use a setup in perform mode.
- The console mixer has a 'prefader' option for effect sends which allows sends to be routed before the channel volume when set. By default, the previous send functionality of routing the sends after the channel volume is used.
- Routing matrix improvements:
 - instead of allowing a negative scale, an invert button has been added
 - added per-mapping data rate decimation
 - added minimum global data rate decimation
 - kept MIDI CC routings in a dedicated panel, while extracting the other MIDI routings to a MIDI Behaviours panel
 - added per-routing fixed MIDI channel support
 - added 'always return to base' support for individual routings
 - added clear matrix button for each individual tab
 - added toolbar buttons for global settings and clearing all the mappings
 - added settings for enabling/disabling MIDI notes and pitch bend
 - added settings for configuring the MIDI channels through the GUI
 - improved help text and added it for the MIDI converters
- Release 1.3.8-unstable
 - The steps in which Stage slider, rotary knob or +/- widget values change by can be set in the widget properties dialogue.
 - Bug fixes and improvements to the new routing matrix.
 - Additional of 'legato mode' for selecting the same MIDI channel when an Eigenharp controller is active. This allows notes to temporarily be sent to the same MIDI channel even if polyphonic channel cycling is activated.
- Release 1.3.7-unstable
 - Stage tabs can be moved by selecting the Move Left and Move Right options in the tab menu which is opened by right clicking on the widget canvas.
- Release 1.3.6-unstable
 - Stage widgets can be user enabled and disabled in the widget properties dialogue. As for the widgets of removed agents, any user disabled widgets can be connected to a new agent port by dropping an agent port in the current setup on them from the agent tree.
 - Adjustable Pan curves in the mixer. There are some scripts available which set various pan curves.
- Release 1.3.5-unstable
 - Tab imports support importing across setups. Any widgets that connect to agents with the same name in the setup they were exported from and the setup they are being imported to, will be connected. If the setup they are being imported to does not contain agents the widgets were connected to, then they will be disabled.

- Widgets are shown as disabled by being 'greyed out'. Any disabled widgets can be connected to a new agent port by dropping an agent port in the current setup on them from the agent tree. In addition to widgets becoming disabled through importing tabs, a widget will become disabled if an agent is removed from the current setup.
- The horizontal and vertical slider widgets now draw the track from a '0' position to represent pan types of controls correctly.
- You can now change the quality of the resampling used for the Microphone and Headphone interfaces on the Alpha and Tau. This can have a quite large effect on CPU usage.

```
Keyboard 1 hey microphone quality to N set
Keyboard 1 hey headphone quality to N set
```

Where N is from 0 (lowest) to 4 (highest)

The default is 0 for the headphones, and 2 for the microphone.

- Release 1.3.4-unstable:
 - A single tab can be exported with the tab name as the default file name. The tab file import will show an error dialog if the tab file can not be read. The extension for tabs files is now '.els'.
 - Talkers now expose a port which enables the talker to be triggered from Stage. When you browse a talker agent, you'll see a list of keys, and under each key you'll see an 'activate' port. Drag this onto the canvas. Each key contains a number of actions; these are the actions performed by that key. The tool tip for each action will give some clues as to the purpose of the talker.
- Release 1.3.3-unstable:
 - Create tool now stays active when a widget is created rather than switching to the resize tool. Now the agent tree selection is cancelled after creating a widget.
 - Tabs can be imported and exported from the 'File' menu to an XML file. Importing tabs will append the tabs to the current setup tabs.
 - The rotary widget now draws the circular track from a '0' position to represent pan types of controls correctly.
- Release 1.3.2-unstable:
 - Includes first version of Stage tool in EigenD.
 - To open Stage, click Tools->Stage in the main EigenD menu.
 - For instructions on using Stage, see the Stage Documentation Wiki: <http://www.eigenlabs.com/wiki/Stage/>