

FonaDyn v3.1.2 release notes

These release notes are shorter than usual. FonaDyn version 3.1.2 is a minor new release with only a few bug fixes and a few improved features. If you did not update to FonaDyn 3.1.0, have a look at those Release Notes as well (included). The latest public version of FonaDyn is always available at <https://www.kth.se/profile/stern/>.

IMPORTANT: SuperCollider version

Version 3.13.0 of SuperCollider, released in February 2023, contained some breaking changes and new features. Versions 3.1.x of FonaDyn rely on a few of these changes, and therefore require SuperCollider 3.13.0 or later. If you need to update SC and/or FonaDyn, please follow the instructions in the file UPDATING.md in the distribution repository.

On Apple MacOS, when running FonaDyn for the first time, the computer must be connected to the Internet, or Apple's safety checks may not work.

New features

Signal window: when you have made a manual selection with the mouse, you can left-click on it to hear it (as before), and right-click on it to mark the corresponding cells in the map with a diagonal hatch pattern (new).

Drag-and-drop of cluster files and map files can now be done to the corresponding graph windows, not just to the buttons Load Clusters or Load Map. For clusters, one still has to press Unload first, if shown.

Changed behaviours and formats

While loading a long file for listening, FonaDyn now displays a wait message in its own Signal window, rather than in the ScIDE post window. All controls are locked until the load has finished.

Moving EGG window: this window is now blanked when the audio signal is below the clarity threshold. This reduces screen clutter, and gives you a better idea of what actually gets analyzed.

The synchronization between the audio and the visuals during analysis from file has been improved. When recording, the visuals will lag slightly behind the sound.

When plotting difference maps, the background 'underlap' maps are now rendered with a thin diagonal hatch pattern. It looks less obtrusive than did the earlier solid fill.

The source code change log was getting long; it has been moved from VRPMain.sc to the new file FonaDynChangeLog.sc.

Bug fixes since 3.1.0

- Occasional "quoted" values could occur in context scripts, causing the script to fail
- Scripts would not set the Output Directory
- EGG cluster maps would sometimes be inappropriately cleared
- Signal synths were not being freed (not noticeable to the user)

Known issues

On some high-resolution MacOS displays, FonaDyn sometimes displays an awkward mix of font sizes. This is due to a bug in the binding between SCLang and the Qt graphics library.

On Windows, the main window maXimize/Restore operations can be done only using Alt+space followed by X or R. Double-clicking the window caption does not work; we do not yet know why.

On Mac, the pop-up menu for controlling the layout does not show the keyboard shortcuts. Please find them in Table 5 on page 48 of the FonaDyn Handbook.

In some circumstances, the **Source:** list becomes unresponsive to mouse and key actions. Workaround: click its scroll bar, and the list will work again.

On a laptop running in power-save mode (slower CPU), there could be aberrant behaviour, such as incorrect updating of cluster colours. This is because the internal data refresh cycle may not have had time to complete in one frame (24 frames per second). If the colour bar looks wrong, just right-click on the map, and it will be corrected.

Discontinued features

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System and installation aspects

FonaDyn versions from 3.1.0 require SuperCollider **3.13.x** or higher. Please see the file UPDATING.md for how to do the update.

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