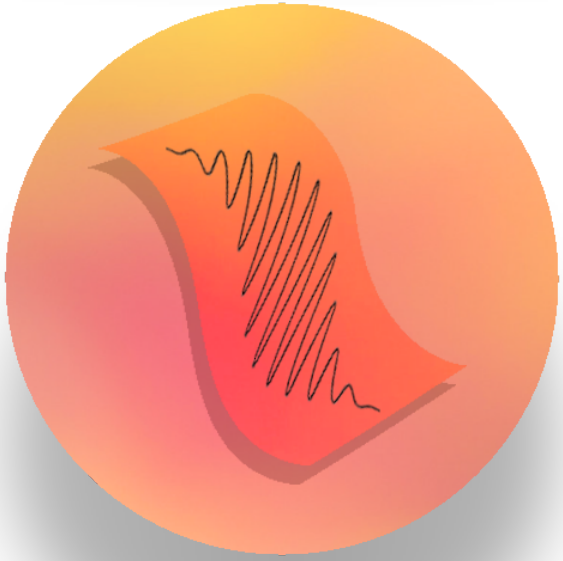
GraphApp User Manual



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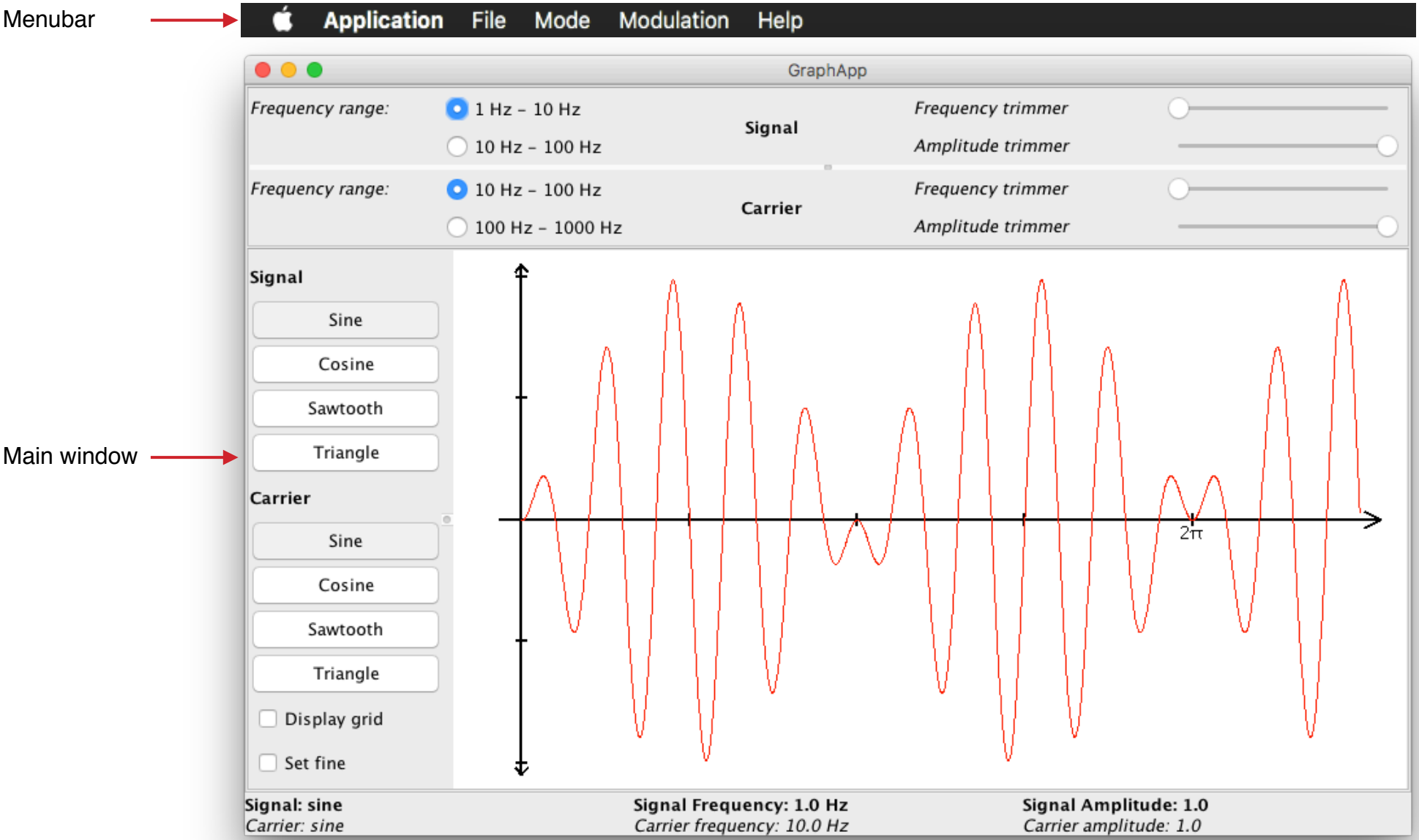
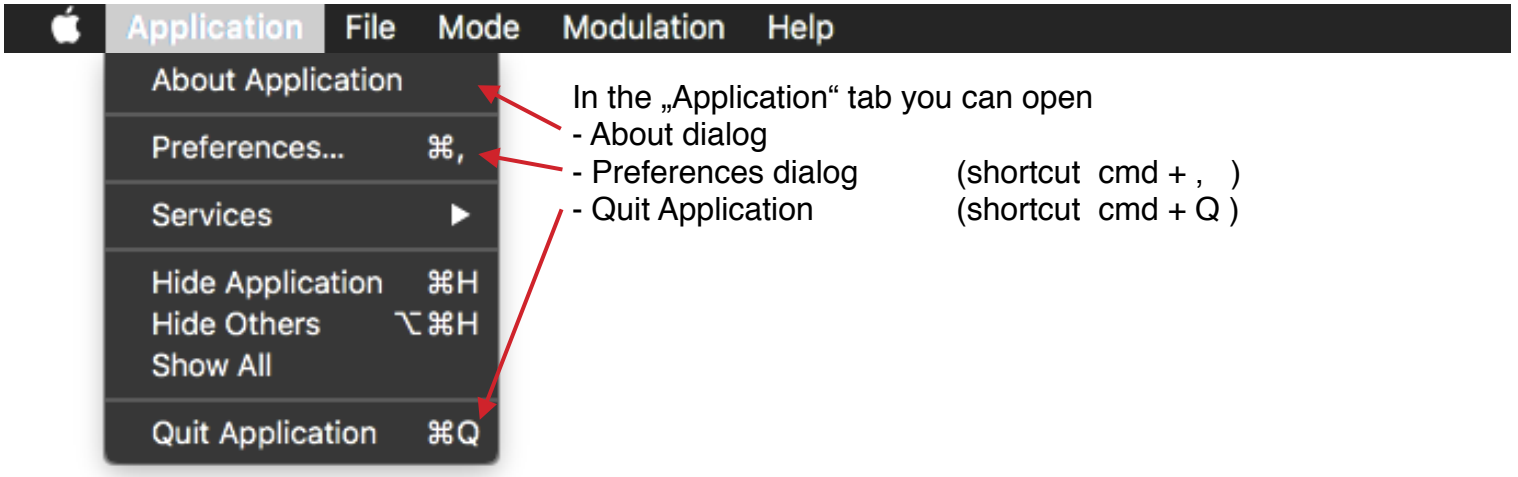
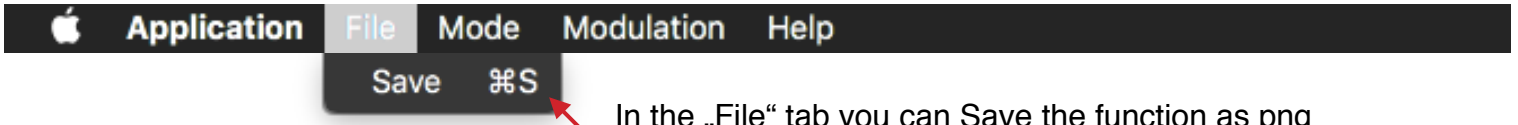
Overall Look



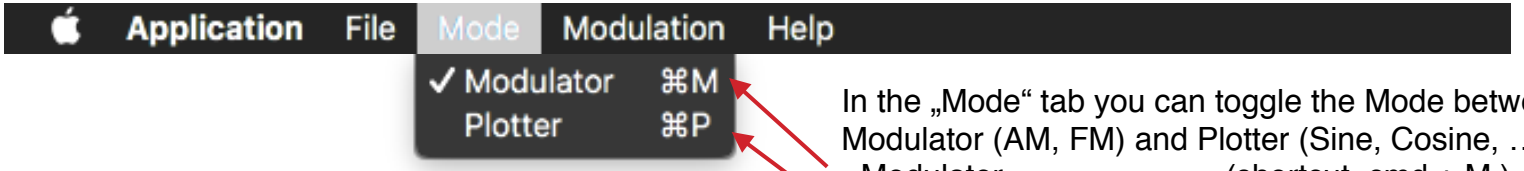
Menubar



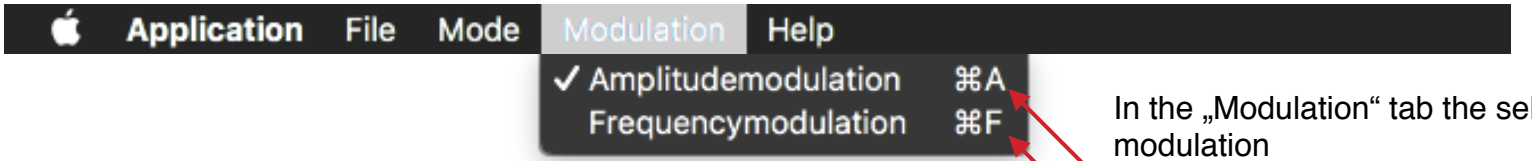
In the „Application“ tab you can open
- About dialog
- Preferences dialog (shortcut cmd + ,)
- Quit Application (shortcut cmd + Q)



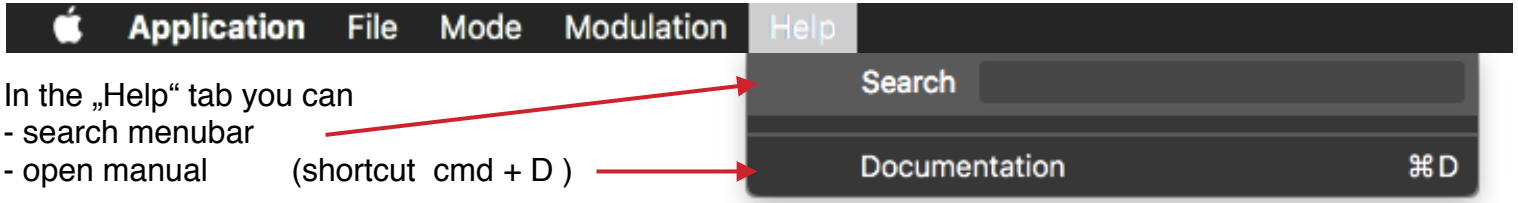
In the „File“ tab you can Save the function as png
- Save (shortcut cmd + S)



In the „Mode“ tab you can toggle the Mode between Modulator (AM, FM) and Plotter (Sine, Cosine, …)
- Modulator (shortcut cmd + M)
- Plotter (shortcut cmd + P)

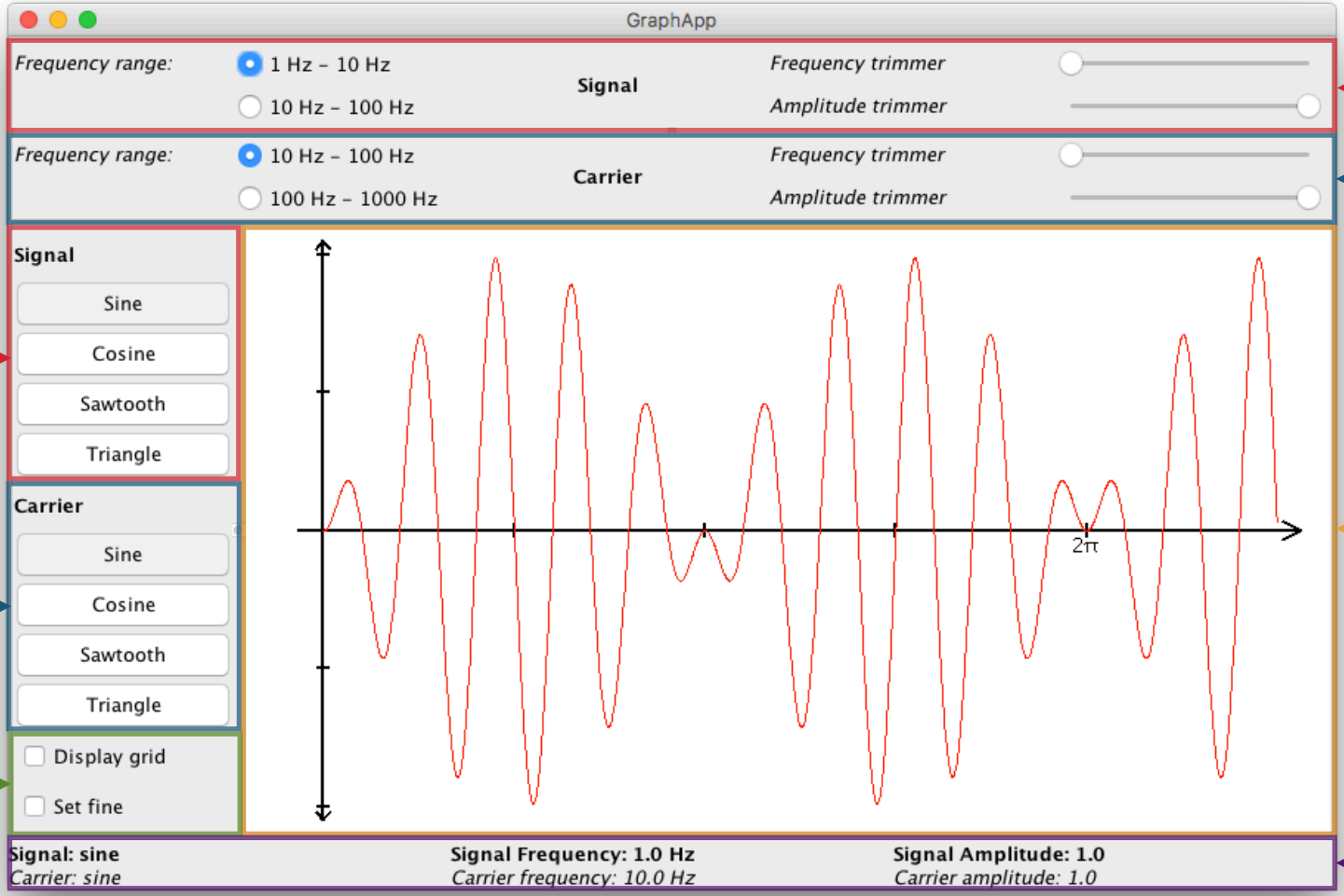


In the „Modulation“ tab the select between two kinds of modulation
- Amplitude modulation (shortcut cmd + A)
- Frequency Modulation (shortcut cmd + F)



In the „Help“ tab you can
- search menubar
- open manual (shortcut cmd + D)

Main Window



Choose between four different function types for the signal

Choose between four different function types for the carrier signal

Enable display grid
Enable fine mode for the slider in the top right corner

Signal settings

Carrier settings

Function canvas

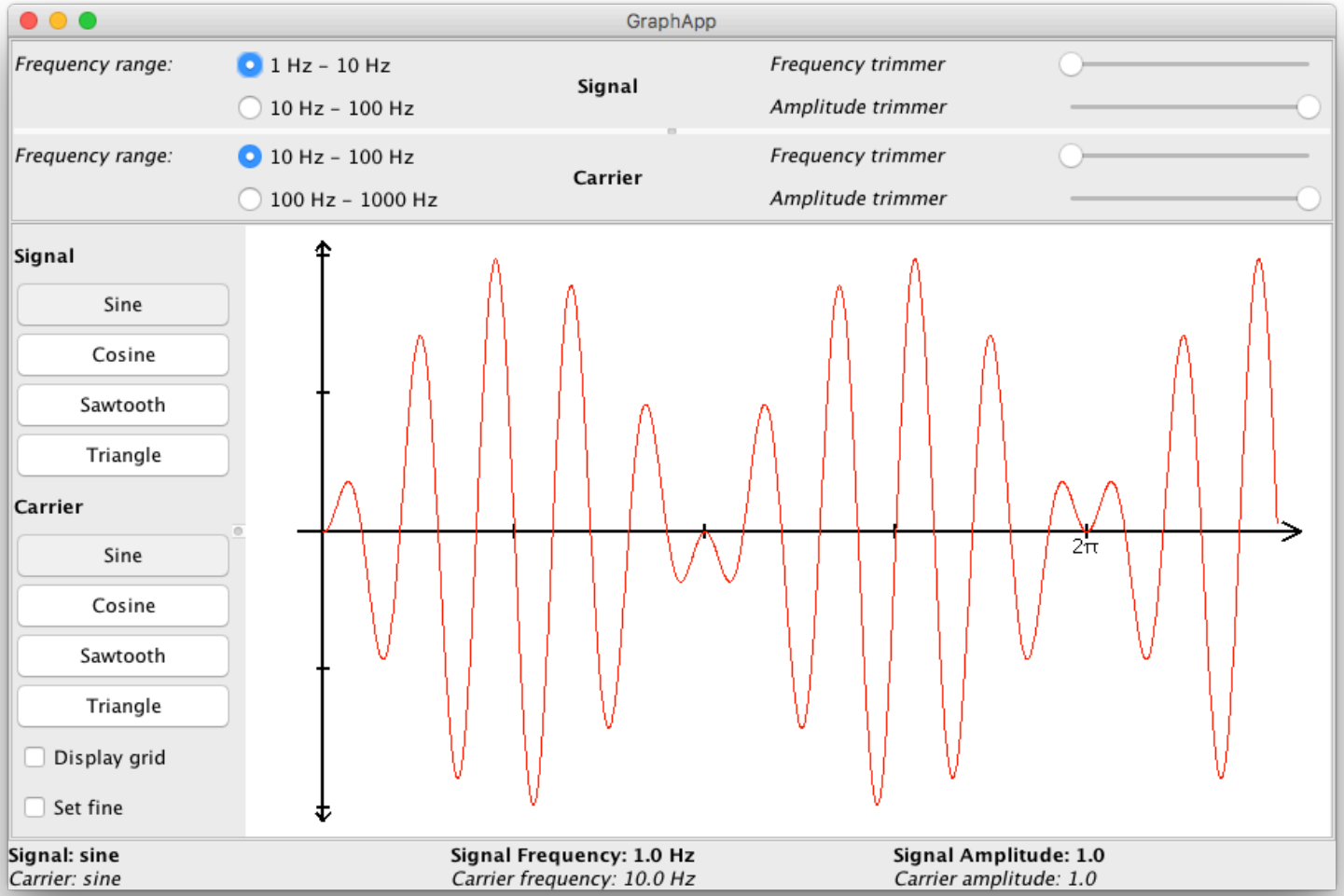
Info pane which displays current signal and carrier settings

Modes

Modulation mode

In the modulation mode you can choose between frequency and amplitude modulation by changing the check in the „Modulation“ tab or with the shortcuts:
cmd + F for frequency
cmd + A for amplitude modulation

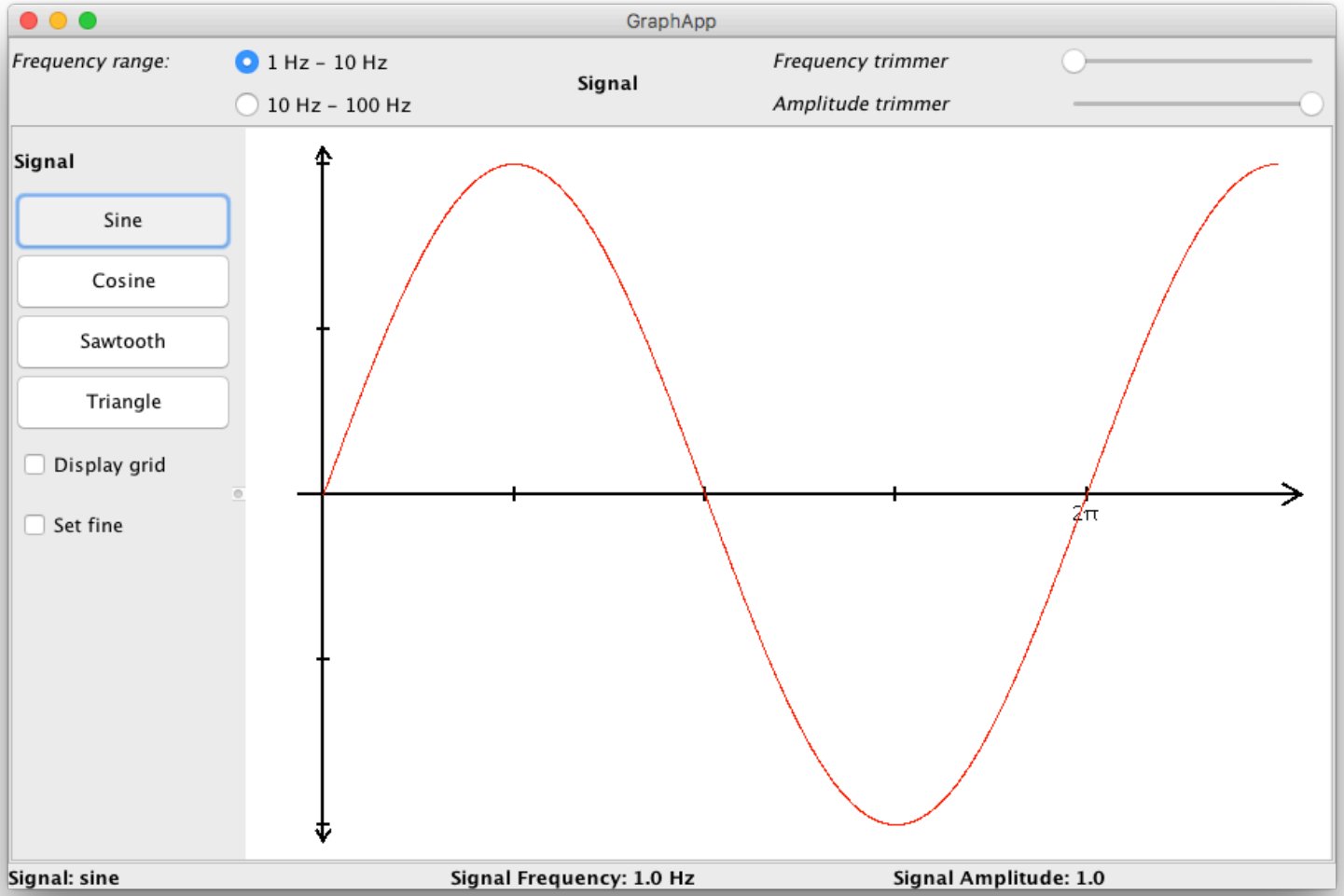
The frequency and amplitude of the signal and the carrier can be modified in the top right corner with the sliders and the radio buttons on the top left



Plotter mode

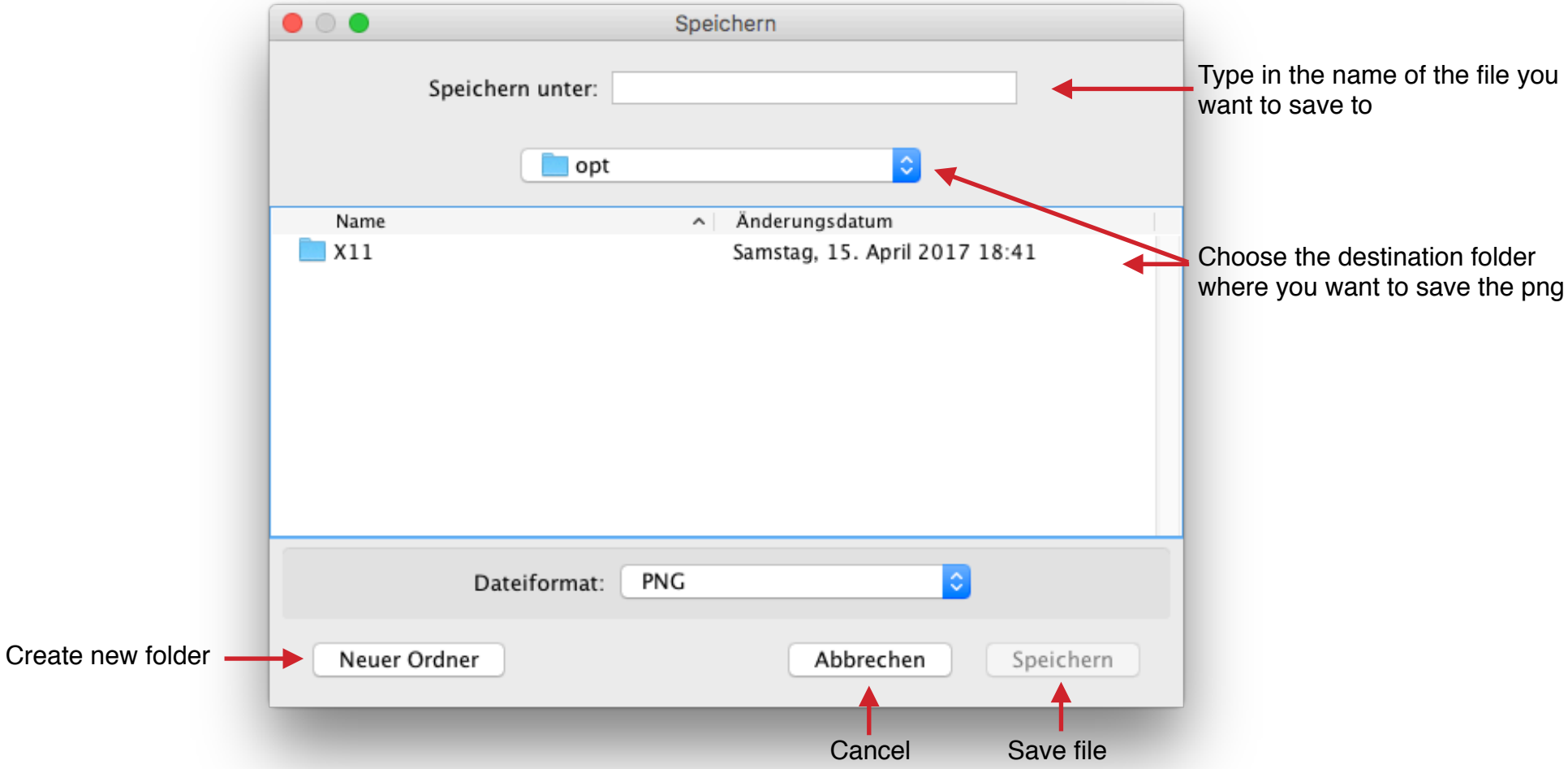
In the plotter mode you are able to plot four different functions:
- Sine
- Cosine
- Sawtooth
- Triangle

Also in this mode the frequency and amplitude can be changed with the sliders in the top right corner and the radio buttons on the top left



Save Dialog

Open the save dialog in the File tab or with the shortcut cmd + S



Preferences Dialog

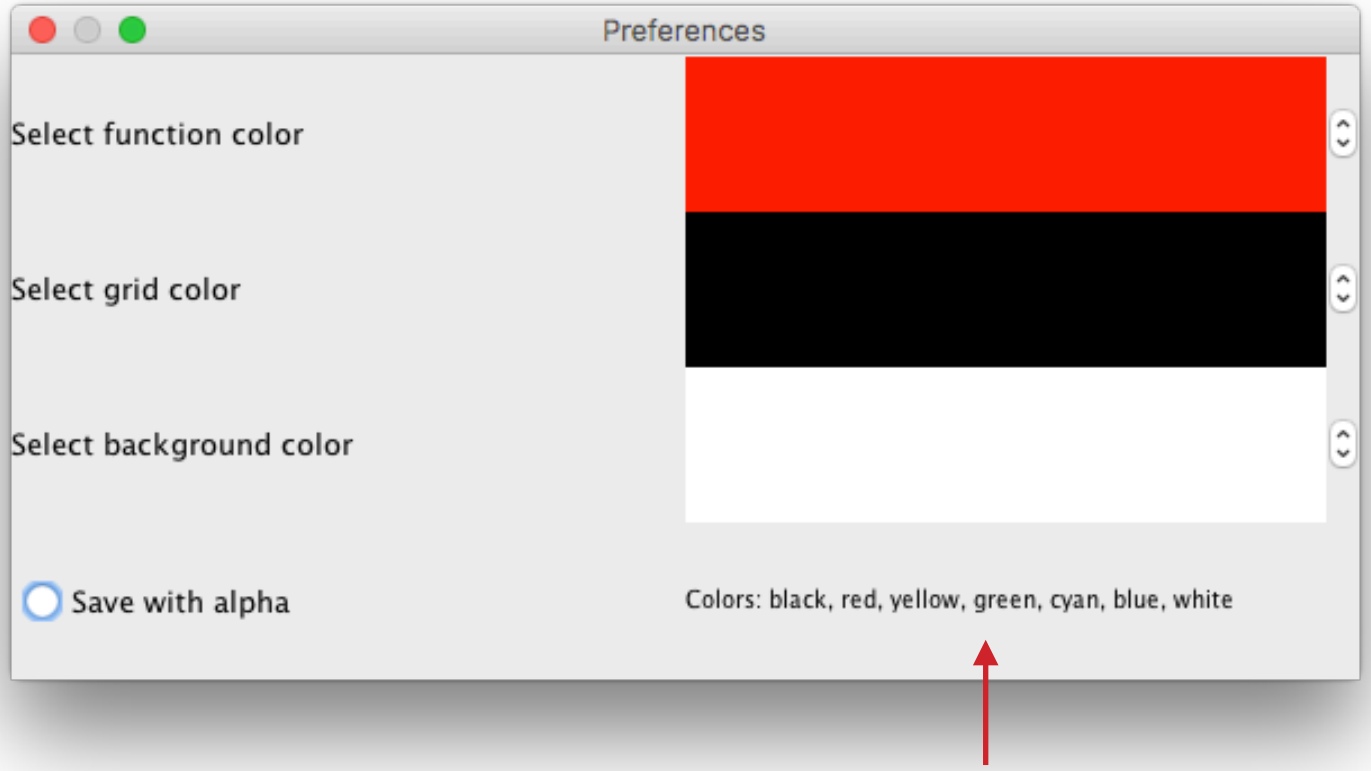
To open the preferences dialog either use the menu bar under the tab „Application“ and then „Preferences“ or access the dialog with the shortcut cmd + ,

With these spinners on the right the colours of the canvas can be adjusted

colour of the function

colour of the grid

colour of the canvas background

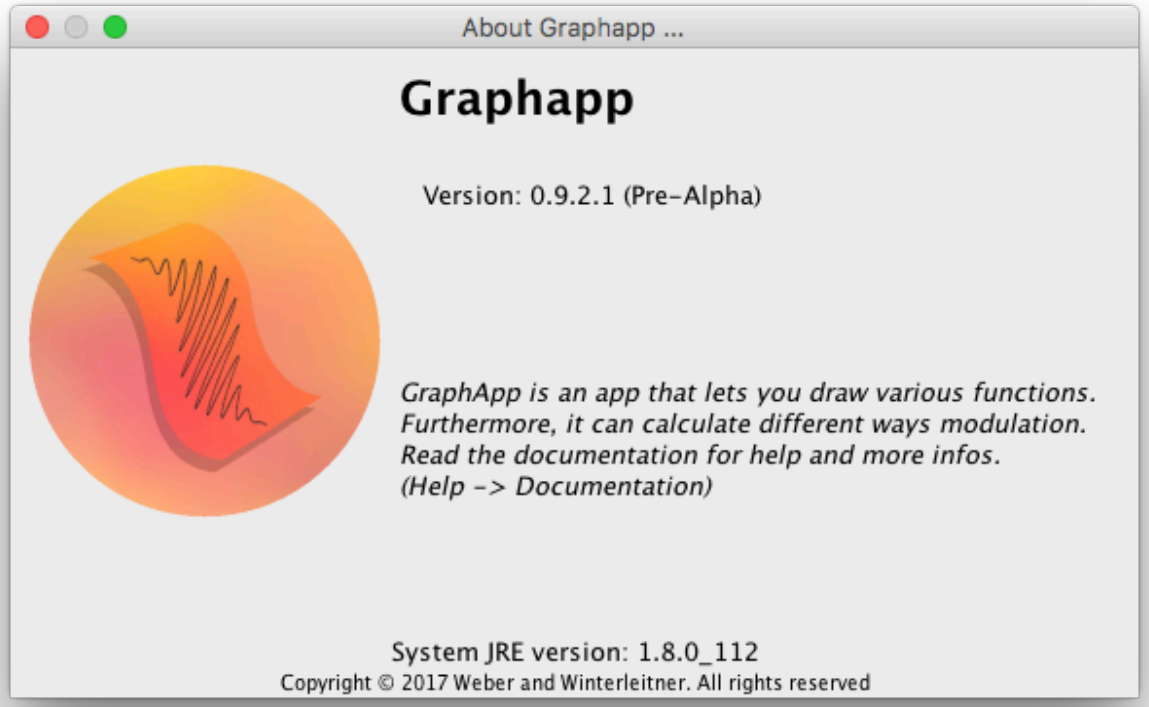


By enabling the radio button the png will have a transparent background when you save it
If disabled the background of the png will have the color which is selected in the preferences dialog

These are the colour which can be used

About Dialog

To open the about dialog use the menubar tab „Application“



Information

The app was developed on the operating system macOS and there may be some differences as shown in this manual when using the app on windows platforms. The design or the menu bar (tabs are on other positions or missing) may look different.
Shortcuts on windows work with ctrl + KEY instead of cmd + KEY

The System JRE version is 1.8.0_112

This version is a pre-alpha version and there may be some bugs.
Please feel free to report the bugs you found. It will help us to make this app better and more stable.

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