Sonalksis
FreeG
Free Gain / Fader

Plug-in Quick Guide
For VST, AudioUnit and RTAS technologies

Contents

Sonalksis FreeG Plug-in

1. Introduction

Welcome to the Sonalksis FreeG audio plug-in for VST, AudioUnit and RTAS host technologies. This quick guide describes the features and the operation of the FreeG.

The Sonalksis FreeG

The Sonalksis FreeG is an intuitive tool that can be used for a variety of applications to increase the control and flexibility of the signal flow in the insert chain of the host. To make the workflow and the overview of the signal processing easier, FreeG provides extensive, customizable metering features and settings.

2. System Requirements [Native Versions]

In order to install and use the FreeG, the following minimum system requirements are necessary:

Minimum PC System Requirements	Minimum Mac System Requirements
• Windows XP • Pentium III 600 MHz • 256 MB RAM • XVGA [High Colour 1024x768]	• Mac OS X* • G4 400 MHz, or Intel Core • 256 MB RAM • XVGA [High Colour 1024x768]
	*Version 10.3.9 or later required

For professional audio applications, it is often imperative to be able to run multiple instances of a plug-in simultaneously. Therefore, while the minimum system requirements stated are adequate, faster processors are recommended, as this will allow more instances of the plug-in to be run.

Other Requirements

• Compatible format host software

For example:
Cubase / Nuendo	-	VST format plug-in,
Logic / Digital Performer	-	AU format plug-in,
Pro Tools	-	RTAS format plug-in

3. Installation

The FreeG plug-in can be obtained by downloading from the Sonalksis web site.

www.sonalksis.com

For the **Mac OS X** RTAS, VST and AudioUnit versions of the FreeG you require:
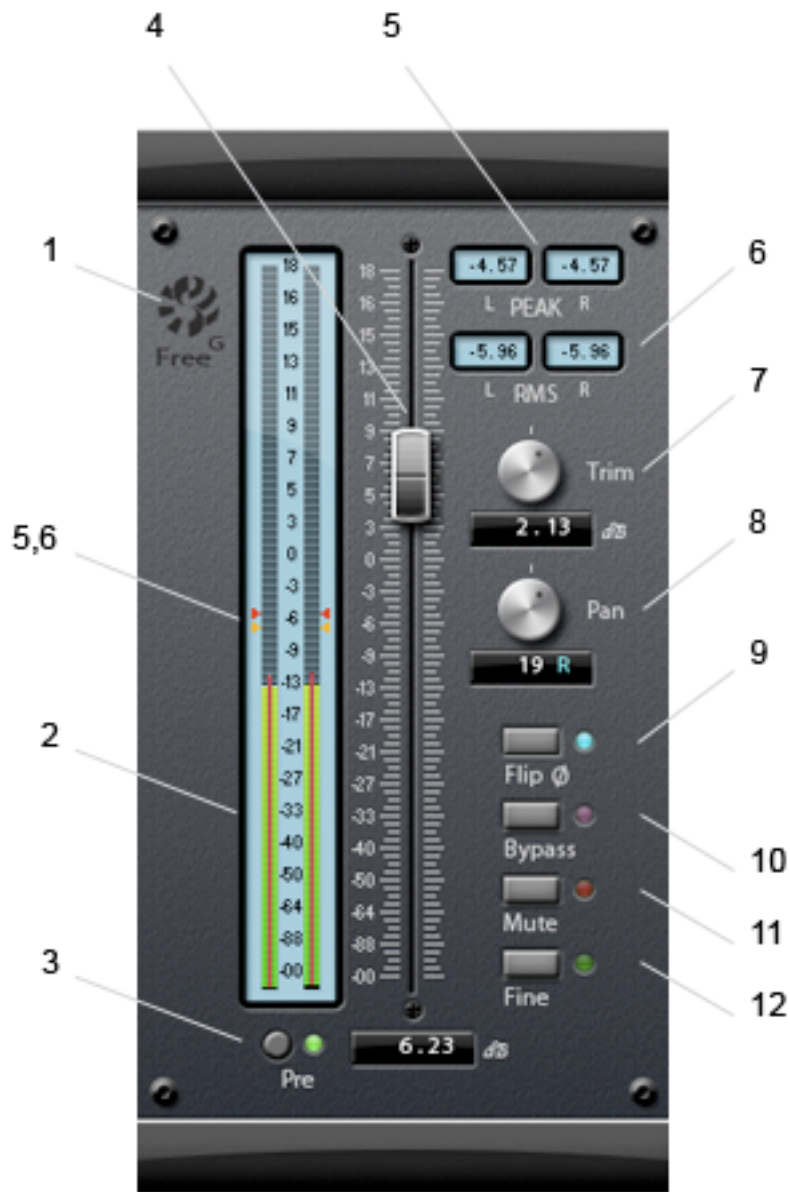
- SonalksisFreeG.dmg

For the **PC Windows** RTAS and VST versions of the FreeG you require:

- SonalksisFreeG.exe

Select the 'SonalksisFreeG' installer in the appropriate manner for your chosen platform, and follow the on screen instructions. Installation should be a very simple procedure, however if you have any problems please visit our web site for support.
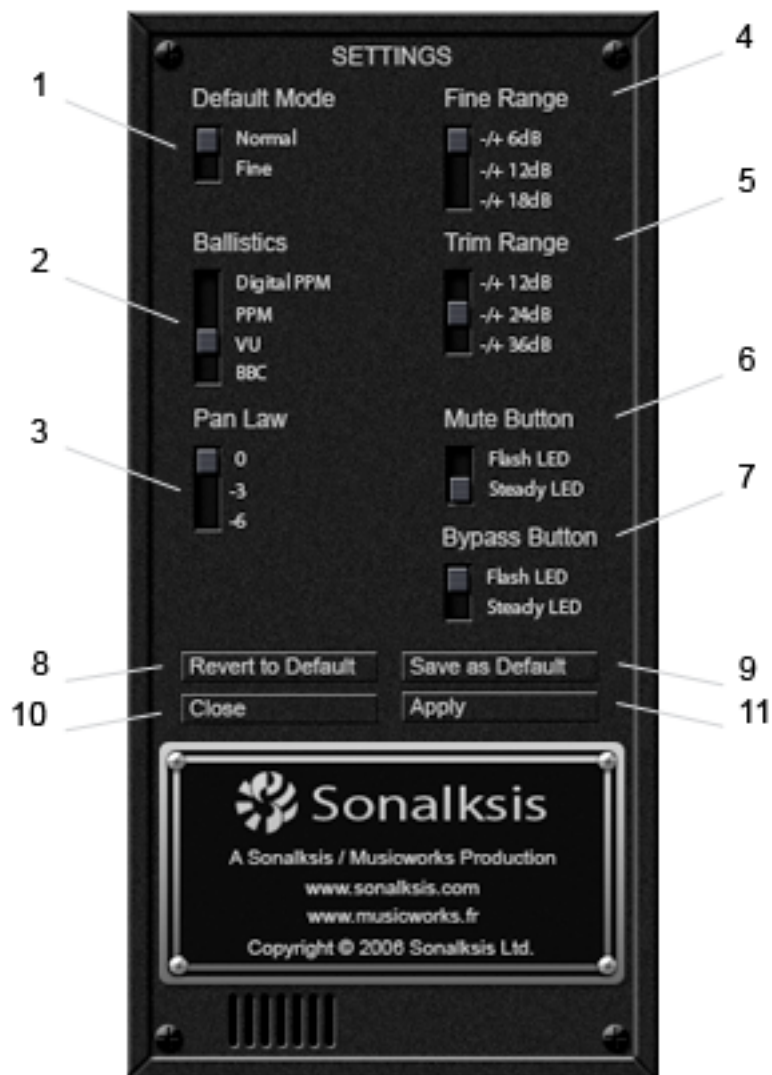
4. Interface and operation

The Sonalksis FreeG Main interface.

1 – Settings (Sonalksis logotype): Click this button to access the Preferences (Settings) panel.

2 – Meter: The meter displays a current indication of signal level. The main display is a classic Peak-type level meter, which follows the signal in accordance with the metering type selected on the Preferences panel. The superposed red bar displays the current instantaneous signal RMS.

3 – Pre: Selecting 'Pre' switches the fader to display the pre-fader, pre-pan, pre-trim input signal.

4 – Fader: The fader is the main plug-in control, and allows you to adjust the level of the incoming signal. Hold 'SHIFT' to fine-adjust the level, or enter a value in the textbox beneath the fader. Double click, Alt-click or Ctrl-click (Win)/Apple-click (Mac) to reset the fader.

5 – PEAK: This box, and the red arrows on the meter, displays the current highest peak value recorded (using the metering law configured on the Preferences panel). Click boxes to reset.

6 – RMS: This box, and the yellow arrows on the meter, displays the current highest instantaneous RMS value recorded. Click the boxes to reset.

7 – Trim: The Trim dial provides a course input level adjustment. The Trim range can be configured using the preferences panel. Hold 'SHIFT' to fine-adjust the level, or enter a value in the textbox beneath the dial. Double click, Alt-click or Ctrl-click (Win)/Apple-click (Mac) to reset the dial.

8 – Pan (not applicable in mono version): The Pan dial allows a stereo signal to be panned to the left or to the right. The Pan law is configured using the preferences panel. Hold 'SHIFT' to fine-adjust the setting, or enter a pan position in the textbox beneath the dial. Double click, Alt-click or Ctrl-click (Win)/Apple-click (Mac) to reset the dial.

9 – Flip Phase: The Flip Phase button inverts the phase of the signal, for mixing applications.

10 – Bypass: The Bypass button provides a soft-bypass for the plug-in.

11 – Mute: The Mute button will mute the signal.

12 – Fine: Fine mode allows for an alternate method of fine-calibration of the fader. When the fader is set approximately, pressing 'Fine' will 'zoom in' on the fader, and offer a linear-law fader, which you can adjust with greater accuracy. The range of the Fine scale can be configured in the Preferences panel.

5. Preferences (Settings)

The Sonalksis FreeG Preferences (Settings) Panel interface.

1 – Default Mode: Sets the default mode of the plug-in when instantiated.

Normal
Fader range set between -∞ and +18 dB

Fine
Fader range specified in Fine Range settings. New plug-in instances start with Fine mode enabled, using the linear fader law.

2 – Ballistics: Sets the Meter LCD curve ballistics.

DigitalPPM
99% Attack in 1ms, 90% Decay in 300ms

PPM
Nordic PPM, 80% Attack in 5ms, 20dB (90%) Decay in 1.5s

VU
90% Attack in 300ms, 10% Decay in 300ms

BBC
BBC/EBU PPM 80% Attack in 10ms, 24dB (93.7%) Decay in 2.8s

3 – Pan law: Sets Pan dial behaviour

At either extremity of the pan dial, the corresponding channel is at full volume. The Pan law option allows you to adjust the level of both channels when the pan is in the centre.

0
-3
-6

4 – Fine Range: Sets the Fader range for Fine mode.

-/+ 6 dB
-/+ 12 dB
-/+ 18 dB

5 – Trim Range: Sets the Trim dial range.

-/+ 12 dB
-/+ 24 dB
-/+ 36 dB

6 – Mute Button: Configures the behaviour of the LED when the Mute button is pressed.

Flash LED
Steady LED

7 – Bypass Button: Configures the behaviour of the LED when the Bypass button is pressed.

Flash LED
Steady LED

8 - Revert to Default: Discard the current configuration and reload the global default.

9 - Save as Default: Save the current configuration as the global default to be used for new plug-in instances.

10 - Close: Discard the current changes, and use the settings that were configured when the panel was opened.

11 - Apply: Apply the current settings of the panel.

6. Support

Please visit our web site www.sonalksis.com to find the latest product information and obtain free software updates. If you are a registered user you will automatically receive information about new releases and products.

Should you encounter any difficulties when installing or using our products, we ask that you ensure you have fully read all appropriate product documentation (including this user manual) before you contact us.

If you are unable to resolve your problem after reading the documentation, you may find the solution to the issue if you view the support forum on our web site. You can also contact us directly for assistance via e-mail at support@sonalksis.com.

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APPENDIX :   FreeG Specifications

FreeG Supported Sample Rates:

- 44.1 kHz
- 48 kHz
- 88.2 kHz
- 96 kHz
- 176.4 kHz
- 192 kHz

FreeG Control Ranges:

Fader Gain	Trim Range	Pan (Stereo only)	Phase Flip	Bypass	Mute
+18 dB -∞ dB	+/-12 dB +/- 24 dB +/- 36 dB	100 Left 0 100 Right	Off/On	Off/On	Off/On