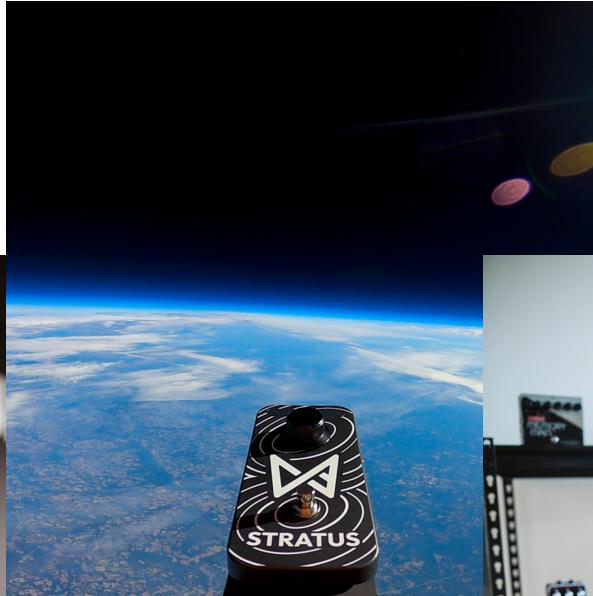


FAUST and **CHAOS**  **AUDIO**

(Sounds a little frightening!)



CHAOS AUDIO

STRATUS® TONE SHOP™ DOWNLOADS SUPPORT ABOUT

SORT BY

ARTIST/BRAND

CHAOS AUDIO

CHOWDSP

MANIC FX

MARTIN BARTLETT

SHNOBEL TONE

PRICE

\$ 0 - \$ 175

Chaos Audio® Plugin Bundle

Stratus® Plugin Suite

Poly Octave

DARK MATTER

DAILY DRIVER®

LUNA

Explore

AMPS (COMING SOON)

PITCH

REVERB

OVERDRIVE

DISTORTION

10:09

TONE SHOP™

Search

Explore

AMPS (COMING SOON)

PITCH

REVERB

OVERDRIVE

DISTORTION

Anyone can develop for Tone Shop; cross-platform between Stratus and PC

(DEMO) Chain of plugins, all created using Faust:



Before 2024:



Generated C++ interface



Hacky manual
tweaks



C++ interface for Stratus
plugins

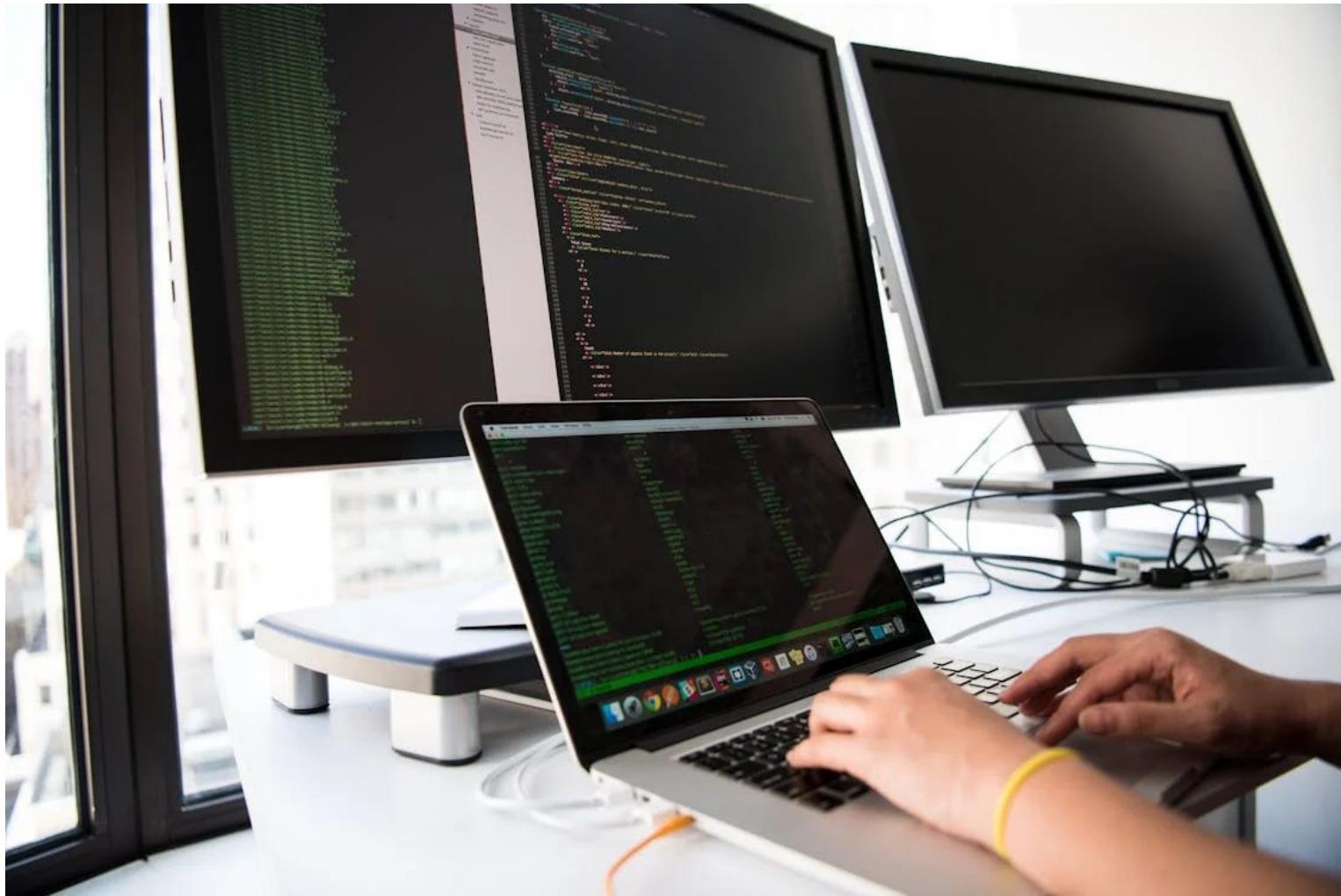


**WORLD'S
OKAYEST
BASS PLAYER**



**I PLAY THE
BASS
BECAUSE
I LIKE IT** 
**NOT BECAUSE
I'M GOOD AT IT**



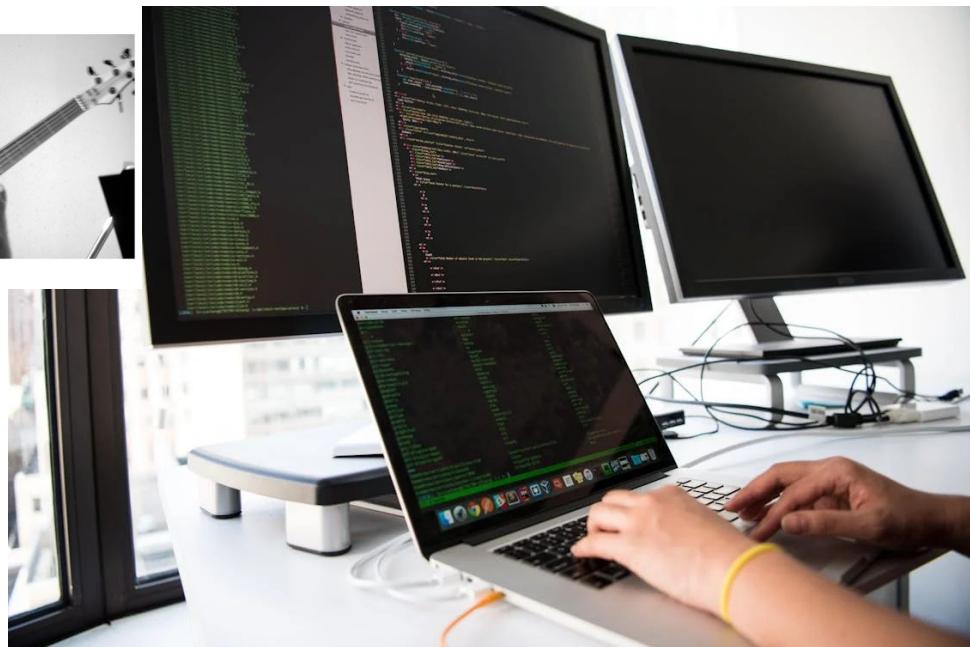














You backed this project.

[Mark as received](#)[View pledge](#)

YOUR VOICE MATTERS



How do you feel about this project so far?

Your response may be shared anonymously with this creator.



Stratus: The Super Smart Stompbox



The versatile and affordable guitar pedal from the future. It's never been easier to unleash your creativity.

[Download the App](#)

Created by
Chaos Audio

582 backers pledged \$132,983 to help bring this project to life.

Last updated October 25, 2024





Orange F 11:54 ☀ 🔍 🔍 🔍 🔍 🔍 🔍 🔍

PEDALBOARD

CLOSE

REMOVE



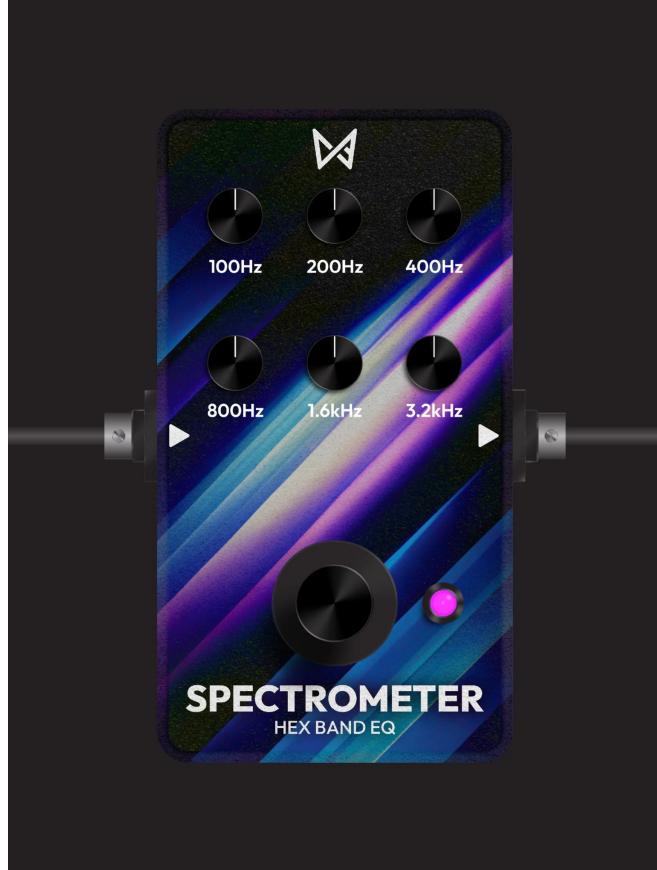
<< >>

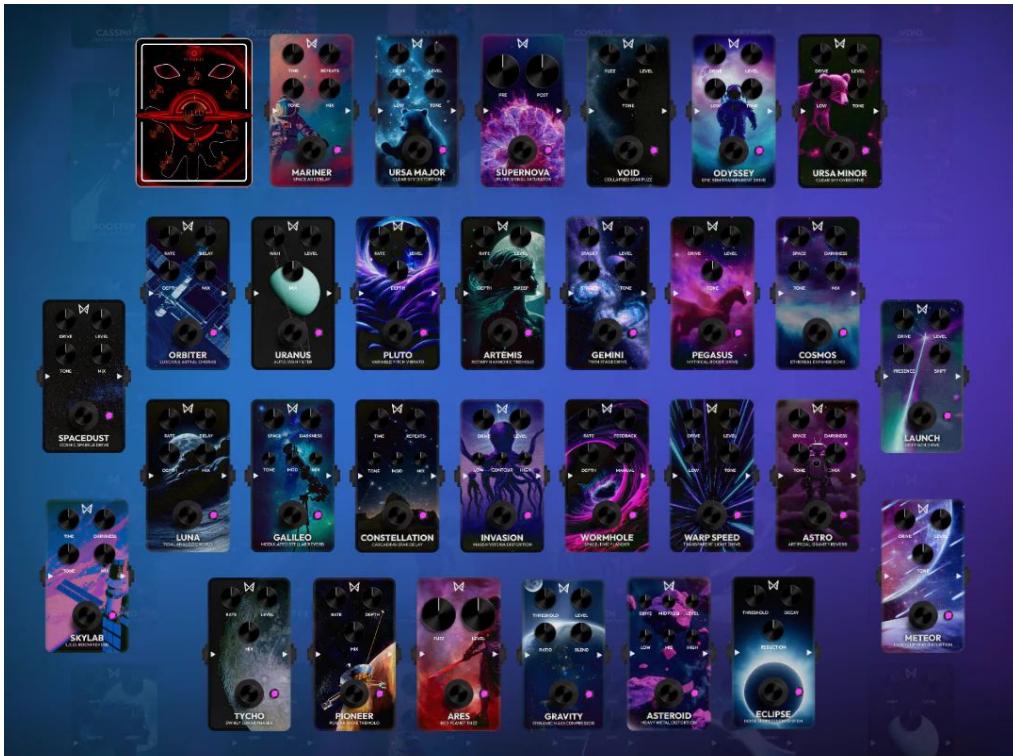
















chaosaudio / Dev-Portal

Code Issues Pull requests Actions Projects Wiki Security Insights

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Dev-Portal Public

1 e1d7315 4 Branches 0 Tags

Go to file

Code

 landon-chaos	Added additional information to README	e1d7315 · 7 months ago	8 Commits
 examples	Clarified example FAUST code	7 months ago	
 resources	Cleaned up folder name	7 months ago	
 README.md	Added additional information to README	7 months ago	

README

Dev-Portal

Everything you need to get started on developing effects for Stratus® and Tone Shop™.

Required Hardware

- [Stratus](#) multi-effects pedal

Documentation

[FAUST](#) A useful DSP programming language. When using FAUST to generate C++ code, it will already follow the

About

Everything you need to get started on developing effects for Stratus® and Tone Shop™.

Readme

Activity

Custom properties

5 stars

3 watching

0 forks

Report repository

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

Contributors 3

Developer Portal - Access

Inbox



Landon McCoy <landon@chaosaudio.com>

to me ▾

Hey Martin,

I see you're interested in developing effects for Stratus! Or at least poking around out of curiosity. 😊

Here is a link to the GitHub repository with some basic instructions and example code:

<https://github.com/chaosaudio/Dev-Portal>

In order to build effects for Stratus, you'll need access to Stratus' root Linux user. Here is the password for that user:

[REDACTED]

Feel free to change this password after logging in.

**** NOTE: This is sensitive information and should not be shared with anyone outside of your development team! ****

Let me know if you have any questions!

All the best,

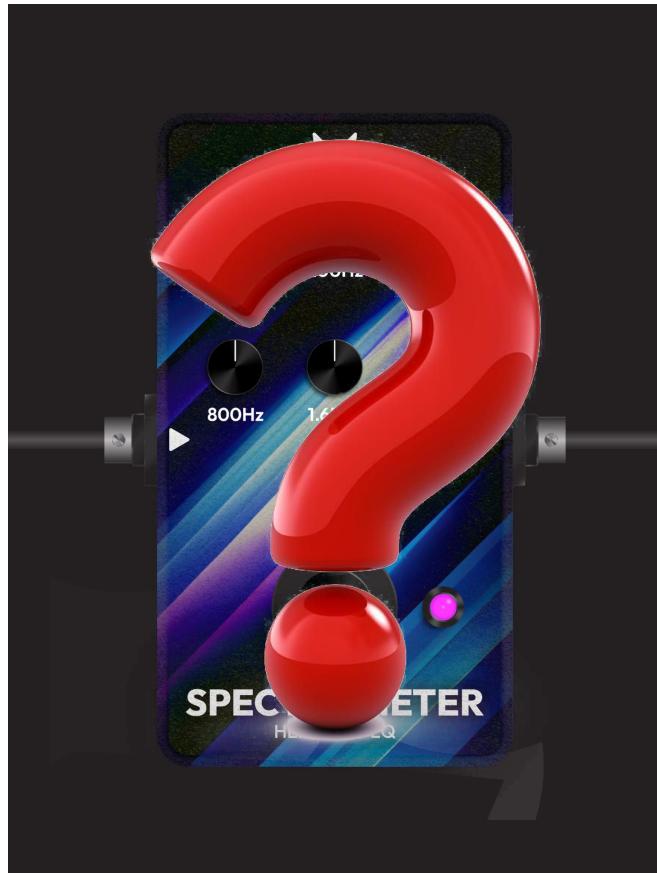
<https://stratus.csail.mit.edu>

In order to build effects for Stratus, you'll need access to Stratus' root Linux user. Here is the password for that user:

A long, horizontal, pink-red redaction mark, likely used to obscure a password.

Feel free to change this password after logging in.





Dev-Portal

Everything you need to get started on developing effects for Stratus® and Tone Shop™.

Required Hardware

- [Stratus](#) multi-effects pedal

Documentation

[**FAUST**](#) - A useful DSP programming language. When using FAUST to generate C++ code, it will already follow the general format necessary for Stratus.

Usage

You must include the provided `dsp.hpp` file in any algorithms you compile. You can find this header file in the `resources` folder.

```
import "dsp.hpp"

class example_effect : public dsp {

}
```

Compilation

SSH into Stratus, copy your files to Stratus' local filesystem, and build your algorithm with the following command:

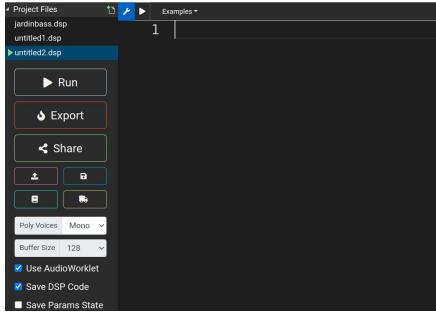
```
g++ -fPIC -shared -O3 -g -march=armv7-a -mtune=cortex-a8
-mfloat-abi=hard -mfpu=neon -ftree-vectorize -ffast-math "EFFECT_NAME".cpp -o "EFFECT_NAME".so
```

These flags will ensure that the most optimized binary is generated.

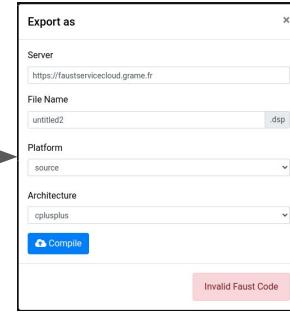
You can log into Stratus via your terminal with the following command (Mac and Linux only):

```
ssh root@stratus.local
```

The Initial Development Process For Stratus!



Design in Faust



Export the C++ source

```
pitchshifter.cpp - Visual Studio Code
File Edit Selection View Go Run Terminal Help
home > planet9 > Development > ChaosInterface > pitch-shif... > pitchshifter.cpp
1 // autogenerated by Faust 2.40.0 (https://faust.grame.fr)
2 // copyright: (c)GRAME 2008
3 // license: "BSD"
4 // author: "Grégoire Pichot"
5 // version: "0.1.0"
6 // Code generated with Faust 2.40.0 (https://faust.grame.fr)
7 // Configuration options: -a stratus.cpp -lang cpp -es 1 -ncd 16 -single .fztz 0
8
9 // #ifndef __mydsp_H
10 // #define __mydsp_H__
11 //
12 // /*
13 // * Architecture wrapper for the Chaos Stratus pedal/platform
14 // */
15 // BEGIN stratus.cpp *****
16 // ****END***** BEGIN stratus.cpp *****
17 // #include <string> // include errors detected. Please update your includePath. Squiggle
18 // #include <cstrl.h> cannot open source file <string>. Please run the 'Select Intel...
19 // #include <algorithm> cannot open source file <algorithm>. Please run the 'Select Int...
20 // #include <cmath> cannot open source file <cmath>. Please run the 'Select Intel...
21 // #include <iostream> cannot open source file <iostream>. Please run the 'Select Intel...
22 // #include <math.h> cannot open source file <math.h>. Please run the 'Select Intel...
23 // #include <math> cannot open source file <math>. Please run the 'Select Intel...
24 // #include <cmath> cannot open source file <cmath>. Please run the 'Select Intel...
25 // #include <math.h> cannot open source file <math.h>. Please run the 'Select Intel...
26 // #include <math> cannot open source file <math>. Please run the 'Select Intel...
27 // #include <math> cannot open source file <math>. Please run the 'Select Intel...
28 // #include <math.h> cannot open source file <math.h>. Please run the 'Select Intel...
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99
```

HEAVILY massage it to fit
the Chaos interface

```
Terminal
/opt/firmware/effects/22e1e7c8-096f-4558-a539-77caef5a9bba.txt
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.so
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.txt
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2ccff9f9.so
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2ccff9f9.txt
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.so
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.txt
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.so
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.txt
/opt/firmware/effects/55631e3a-94f7-42f8-8204-f5c6c11c4a21.so
root@stratus:~#
```

Copy to the right place with the right name

```
Terminal
root@stratus:~#
```

Logon to the pedal and
compile the source

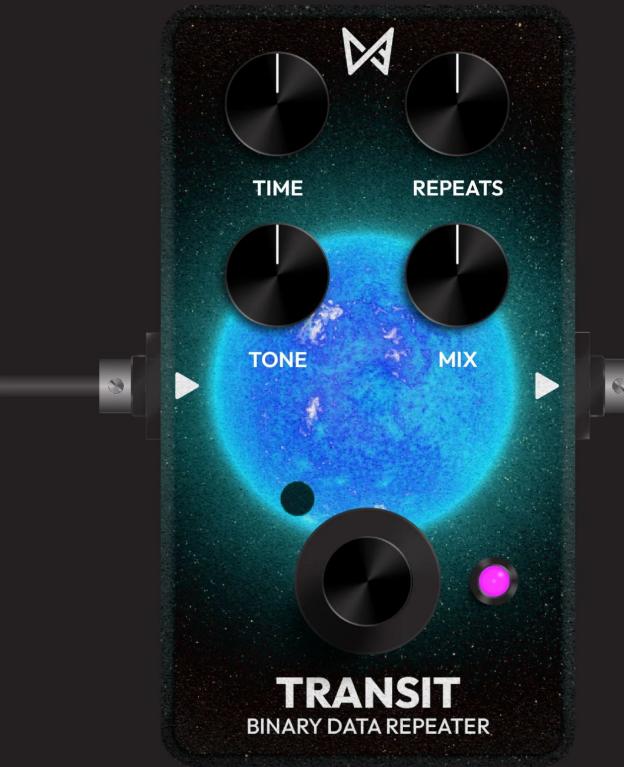


Copy to the pedal

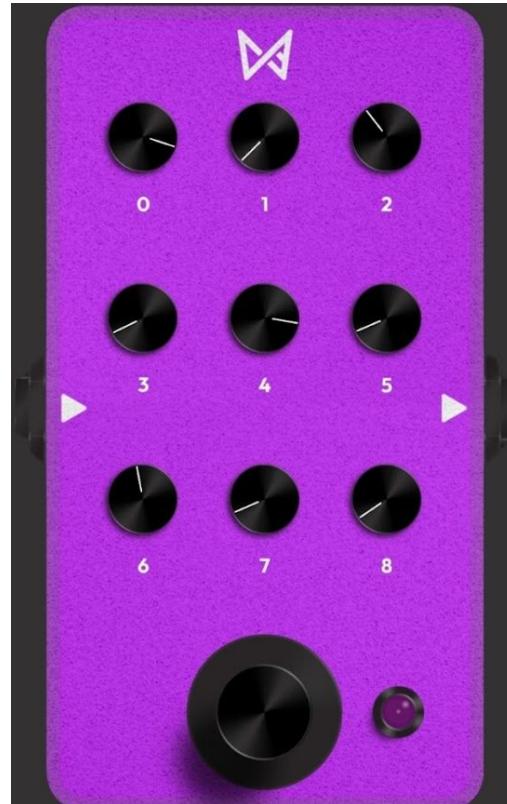
And THEN

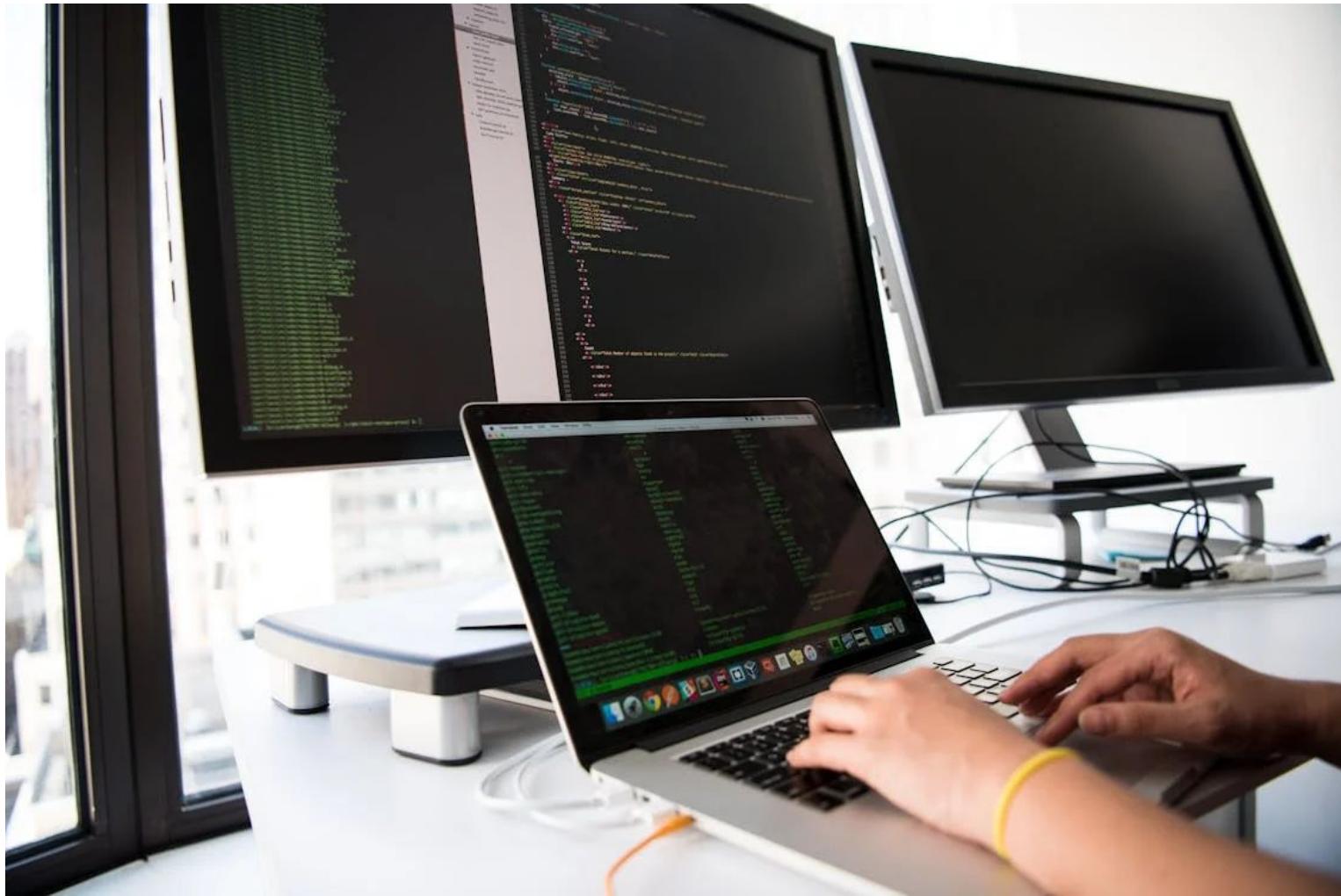
- Build a UI for it in the development portal ... using a tool that wasn't QUITE usable at the time...

Hmmmmm



The 9-Knob Tester - my first suggestion







grame-cncm / faust

Type to search



Code

Issues 192

Pull requests 12

Discussions

Actions

Projects

Wiki

Security

Insights



faust

Public



Edit Pins



Watch 89



Fork 323



Star 2.6k

master-dev

49 Branches 79 Tags

Go to file



Add file

Code

About



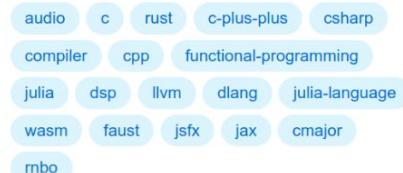
sletz Typos. ✓

2189f61 · 3 days ago 13,689 Commits

.github/workflows	Set version to 2.76.0.	2 weeks ago
architecture	Set version to 2.76.0.	2 weeks ago
benchmark	Cleanup benchmarks.	4 years ago
build	Set version to 2.76.0.	2 weeks ago
compiler	Typos.	3 days ago
debian	Debian package fixes for Ubuntu 16.04.	6 years ago
documentation	Set version to 2.76.0.	2 weeks ago
embedded	Formatting.	2 months ago
examples	Add test29.dsp and vital_rev.dsp example.	4 months ago

Functional programming language for signal processing and sound synthesis

faust.grame.fr



Readme

View license

Activity

Custom properties

2.6k stars

89 watching

grame-cncm / faust

Code Issues 192 Pull requests 12 Discussions Actions

Files

master-dev + Q Go to file

- CSharpFaustClass.cs
- alsa-console.cpp
- alsa-gtk.cpp
- alsa-qt.cpp
- au-effect.cpp
- au-instrument.cpp
- bela.cpp
- bench.cpp
- bench.d
- c-jack-gtk.c

faust / architecture /

sletz Set version to 2.76.0. ✓

Name
..
AU
VST
android
api
audiokit
autodiff

grame-cncm / faust

Code Issues 192 Pull requests 12 Discussions Actions

Files

master-dev + Q Go to file

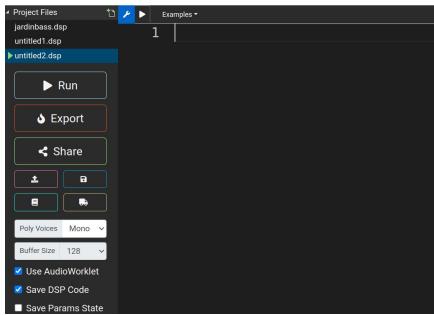
- faust2android
- faust2androidunity
- faust2api
- faust2atomsnippets
- faust2au
- faust2audiokit
- faust2bela
- faust2bench
- faust2caconsole
- faust2cagtk
- faust2caqt
- faust2caqtios
- faust2cmajor

faust / tools / faust2apple /

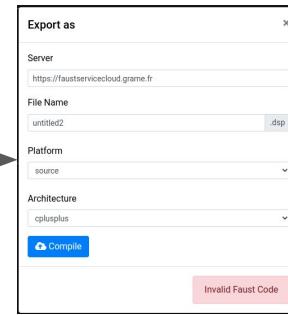
sletz Add -universal option in faust2unit

Name
..
unsupported
Info.plist
README.md
check-au.sh
encoderunitypackage
faust2alqt
faust2alsa
faust2alsaconsole
faust2android

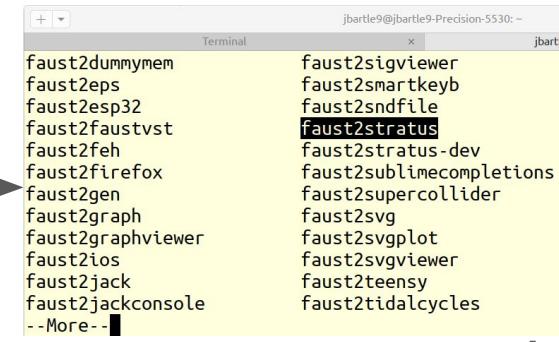
The Next Iteration Development Process For Stratus!



Design in Faust



Save the DSP source



Run faust2startus to gen the C++

```
Terminal
/opt/firmware/effects/22e1e7c8-09f-4558-a539-77caef5a9bba.txt
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.so
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.txt
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2cccf9f9.so
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2cccf9f9.txt
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.so
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.txt
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.so
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.txt
/opt/firmware/effects/55631e3a-94f7-42f8-8204-f5c6c11c4a21.so
root@stratus:~#
```

Copy to the right place with the right name

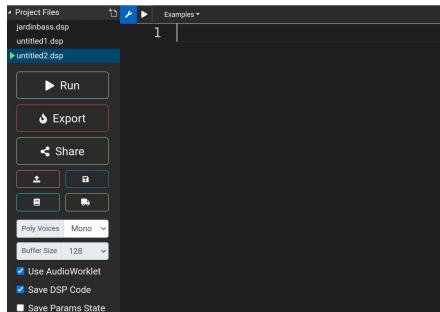
```
Terminal
root@stratus:~#
```

Logon to the pedal and compile the source

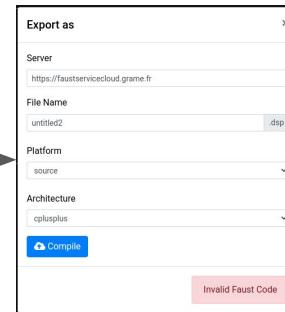


Copy to the pedal

Once the new Faust version was deployed for the UI



Design in Faust



Pick chaos-stratus as your architecture and download

```
/opt/firmware/effects/22e1e7c8-096f-4558-a539-77caef5a9bba.txt  
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.so  
/opt/firmware/effects/26dd8410-9004-42be-97d7-63c408f51cd8.txt  
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2ccf9f9.so  
/opt/firmware/effects/2b9110b6-6846-4062-b4be-39b1b2ccf9f9.txt  
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.so  
/opt/firmware/effects/2ce39b6c-10fa-11ef-9fc3-eb5bff98409a.txt  
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.so  
/opt/firmware/effects/2f347831-e776-4e1d-ba77-c8d039897c70.txt  
/opt/firmware/effects/55631e3a-94f7-42f8-8204-f5c6c11c4a21.so
```

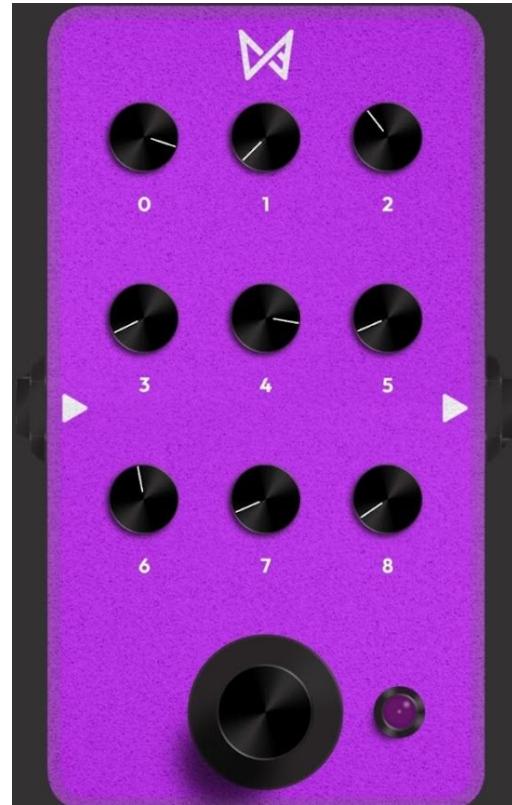
Copy to the right place with the right name

```
root@stratus:~#
```

Logon to the pedal and compile the source



Copy to the pedal



We added support for declare values for the effect UUID and version strings

```
// Stratus declarations
declare stratusId "55631e3a-94f7-42f8-8204-f5c6c11c4a21";
declare stratusVersion "0.1.0";
declare filename "semiparambasseq.dsp";
declare name "semiparambasseq";
```

```
// The ubiquitous import
import("stdfaust.lib");
```

```
// Slider (Knob) functions when this has its own UI
live_eq_slider(0,L,C,H) = hslider("[%0]Freq[knob][stratus:%0]",C,L,H,1);
live_level(0) = hslider("[%0]Gain[knob][stratus:%0]", 0, -15, 15, 1);
```

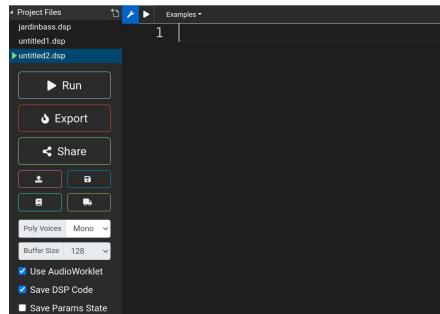
```
// Slider (Knob) functions while we use the 9KNOB test effect UI
```

```
knob9_eq_slider(0,L,C,H) = hslider("[%0]Freq[knob][stratus:%0]",5,0,10,0.1) : *((C-L)/5) : +(L);
knob9_level(0) = hslider("[%0]Gain[knob][stratus:%0]", 5,0,10,0.1) : -(5) : *(3);
```

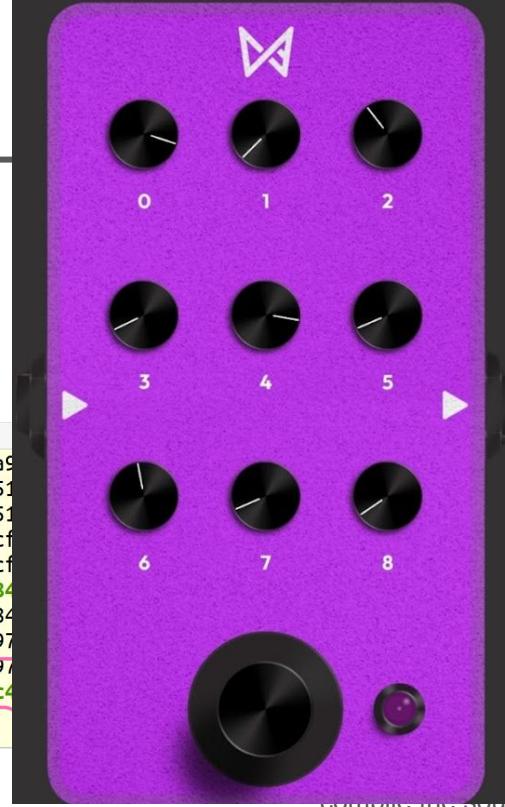
```
// Which of the above we actually want to use at the moment
```

```
eq_slider(0,L,C,H) = knob9_eq_slider(0,L,C,H);
level(0) = knob9_level(0);
```

We introduced support for the “stratus:nn” metadata on a knob!



Design in Faust



Copy to the right place with the right name

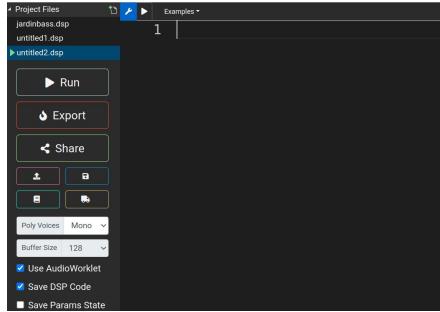
s-stratus as your
re and download

and
compile the source

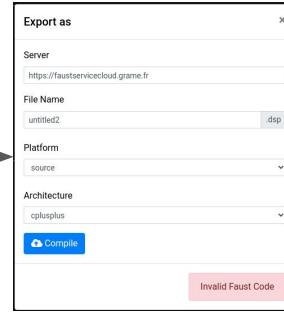


Copy to the pedal

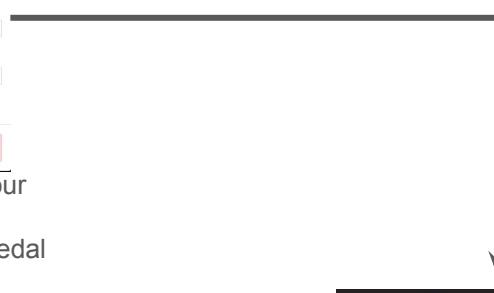
What if you could get the Faust IDE *itself* to build it!



Design in Faust



Pick chaos-stratus as your architecture, build and download directly to the pedal



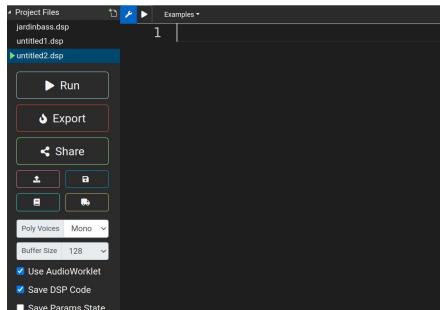
Installed to the pedal

SLETZ WON'T LET ME!

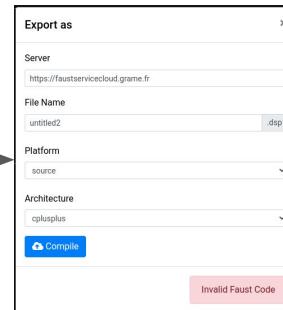
For good reason:

- It requires a specific Dockerfile pulled from “somewhere” and launched within the Faust service
- We don’t want an ad-hoc solution just for Stratus
- BUT how do you ensure that some malevolent Fauster doesn’t create an architecture that builds insidious things that compromise a user’s devices?

OK, what if you could get an executable *installer* from the IDE



Design in Faust



Pick chaos-stratus as your architecture,
click compile and download



Installs to the pedal



Run the installer

What stops us fully doing *that*

The IDE only expects to build zips

That means you have to

- Download the zip
- Unzip the zip SOMEWHERE
- Run the installer

Which is *OK* but ... *WHY* does the IDE only allow zips?

The IDE itself

grame-cncm / faustide

Code Issues 26 Pull requests 1 Discussions Actions Projects Wiki Security Insights

faustide Public

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master 9 Branches 1 Tag

Go to file Add file Code

About

Faust IDE (Integrated Development Environment)

faustide.grame.fr

faust

- Readme
- View license
- Activity
- Custom properties

75 stars 8 watching 23 forks

Commit History:

Author	Message	Date
sletz	Set version to 1.5.14.	a3d83c8 · last week
.github/workflows	Remove build artifacts, setup GitHub workflow	10 months ago
doc	fix: misc fixes	2 years ago
src	update zenfs	last week
types	put vim option into monaco's menu	7 months ago
.babelrc	other misc fixes	2 years ago
.eslintignore	fix: misc fixes	2 years ago
.eslintrc.json	fix: misc fixes	2 years ago

The service that builds stuff

grame-cncm / faustservice

Code Issues 3 Pull requests Actions Projects Security Insights

faustservice Public

Edit Pins Watch 8 Fork 8 Star 4

server 8 Branches 0 Tags

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About

No description, website, or topics provided.

bin Fix missing `·` 5 years ago

client Allow "installer.sh" as a Makefile goal 4 months ago

cloud-tests Improved cloud tests 6 years ago

makefiles Add -mc targets for Max/MSP(2). 2 months ago

pdfaustextra Add pdfaustextra files 10 years ago

tests kisana updated with a fake effect 4 years ago

.clang-format Direct compilation support 6 years ago

.gitignore More git ignore 6 years ago

Report repository

Releases

No releases published

⚠ Use the Location header if it is available

#96 by bassmanitram was closed on Jul 6

The PR that lets the IDE know what the service has generated rather than fixating on .zip files.

The PR that lets the service generate non .zip files and tell the IDE what has been generated.

⚠ Modify the faustservice to facilitate building self-extracting installers

#11 by bassmanitram was closed on Jul 6

Code Snippet:

```
1 // Stratus declares
2 declare stratusId "55631e3a-94f7-42f8-8204-f5
3 declare stratusVersion "0.1.0";
4 declare filename "semiparambasseq.dsp";
5 declare name "semiparambasseq";
6
7 // The ubiquitous import
8 import("stdfaust.lib");
9
10 // Slider (Knob) functions when this has its
11 live_eq_slider(0,L,C,H) = hslider("[%0]Freq");
12 live_level(0) = hslider("[%0]Gain[style:knob]
13
14 // Slider (Knob) functions while we use the 9
15 knob9_eq_slider(0,L,C,H) = hslider("[%0]Freq");
16 knob9_level(0) = hslider("[%0]Gain[style:knob]
17
18 // Which of the above we actually want to use
19 eq_slider(0,L,C,H) = knob9_eq_slider(0,L,C,H);
20 level(0) = knob9_level(0);
21
22 // The individual filters with correct Stratus ordering. Config
23 // comments are "(low,high,center,gradation)"
24 //
25 // 0: LOW Freq      1: MID Freq       2: HI Freq
26 // (30,300,165,1)   (200,2000,1100,1)  (1200,12000,6600,1)
27 //
```

Export as

Server: https://faustservicecloud.grame.fr

File Name: jardinbass.dsp

Platform: chaos-stratus

Architecture: effect-installer

Compile Download

QR Code

installer.sh

jbartle9 Downloads chaos

installer.sh 32.3 kB



jbartle9@jbartle9-Precision-5530: ~/Downloads/chaos



```
jbartle9@jbartle9-Precision-5530:~/Downloads/chaos$ bash installer.sh
```

```
Verifying archive integrity... 100% All good.
```

```
Uncompressing Chaos Audio Effect Installer - jardinbass - id: 55631e3a-94f7-42f8  
-8204-f5c6c11c4a21 100%
```

```
Compiling effect jardinbass.cpp with c++:
```

```
c++ -fPIC -shared -O3 -march=armv7-a -mtune=cortex-a8 -mfloating-abi=hard -mfpu=  
neon -ftree-vectorize -ffast-math /tmp/src/jardinbass.cpp -o /tmp/tgt/jardinbass  
.so
```

```
root@stratus.local's password:
```

```
INSTALLING: jardinbass.so on pedal as 55631e3a-94f7-42f8-8204-f5c6c11c4a21
```

```
mesg: ttynname failed: Inappropriate ioctl for device
```

```
Effect jardinbass.so installed as /opt/update/sftp/firmware/effects/55631e3a-94f  
7-42f8-8204-f5c6c11c4a21.so
```

```
Effect jardinbass.so version set to 0.1.0
```

```
jbartle9@jbartle9-Precision-5530:~/Downloads/chaos$ █
```

Now Let's Fix Stuff

Making use of all this to get bass effects

Fixing the compressor

```
...  
process = _ <: (_:*(1-mix)),(  
    fi.low_shelf(-4,250):  
    compressor(ratio,thresh,att,rel,kneeAtt):*(mix)) :> _:*(gain);
```

Um, well, yes,
THAT would
probably be the
reason!

The original code (obtained under NDA... errr... so... um... sorry Landon?)

```
...  
process = _ <: (_:*(1-mix)),(  
    compressor(ratio,thresh,att,rel,kneeAtt):*(mix)) :> _:*(gain);
```

NOW it's a bass compressor!

A 7-band bass EQ!

```
eq1 = vslider( "50hz[stratus:0]", 0, -15, 15, 0.1);
eq2 = vslider( "120hz[stratus:1]", 0, -15, 15, 0.1);
eq3 = vslider( "400hz[stratus:2]", 0, -15, 15, 0.1);
eq4 = vslider( "500hz[stratus:3]", 0, -15, 15, 0.1);
eq5 = vslider( "800hz[stratus:4]", 0, -15, 15, 0.1);
eq6 = vslider("4.5Khz[stratus:5]", 0, -15, 15, 0.1);
eq7 = vslider( "10Khz[stratus:6]", 0, -15, 15, 0.1);

fc1 = 50;
fc2 = 120;
fc3 = 400;
fc4 = 500;
fc5 = 800;
fc6 = 4500;
fc7 = 10000;

bw1 = 50;
bw2 = 120;
bw3 = 100;
bw4 = 120;
bw5 = 300;
bw6 = 1800;
```



```
filt1 = fi.peak_eq(eq1,fc1,bw1);
filt2 = fi.peak_eq(eq2,fc2,bw2);
filt3 = fi.peak_eq(eq3,fc3,bw3);
filt4 = fi.peak_eq(eq4,fc4,bw4);
filt5 = fi.peak_eq(eq5,fc5,bw5);
filt6 = fi.peak_eq(eq6,fc6,bw6);
filt7 = fi.high_shelf(eq7,fc7);

process = filt1: filt2: filt3: filt4: filt5: filt6: filt7;
```

- Basically the stock EQ with an extra knob
- Parameters based upon the freq response charts of the Boss GEB-7 Bass EQ
- UI by Landon!
- Published (and free)

A tutorial

chaosaudio / Dev-Portal

Code Issues Pull requests Actions Projects Wiki Security Insights

Q Type to search

Faust and the Stratus - a basic tutorial

Martin Bartlett edited this page on May 28 · 7 revisions

Introduction

It sounds so COOL - build your OWN effects for your Stratus!!! Using "Faust" no less!!!

But what does it really mean?

Well, here I'm going to take you through...

- the creation of a Stratus-compatible effect algorithm in Faust,
- installing it on your pedal
- testing it with the **9 Knob** tester effect

... without you having to pre-install *anything* else on your computer or your pedal.

Then, in a more advanced section, I'll take you through installing Faust and building and testing your effect locally before committing it to your pedal.

We won't be covering UI design here - we'll have a separate page for that in the future.

The sections will appear as I go through the steps myself, so if you get here early you may not have all the steps yet.

Prerequisites

There are a few prerequisites to getting the most out of this WiKi:

- You need to be using UNX *in some form*, because the effect installer is a UNX shell script. Linux is the obvious choice, but the installer also works on Macs (because Macs are actually UN*X-based), and even [Windows has Linux support now](#).

If you got this far, you probably know already that even your Stratus pedal is running Linux ... it is feasible (but not yet fully supported) to run the installer script on the Stratus itself! We'll cover that in the advanced section!

- You need to have signed up to the Chaos Stratus developer program, by which means you will have been given the

Pages 2

Find a page...

Home

Faust and the Stratus - a basic tuto...

- Introduction
- Prerequisites
- The Effect
- The DSP Code
- Explanation
- The declares at the top
- The import statement
- The process at the bottom
- The EQ
- The parts of the EQ
- That odd/weird integer
- A bit of function indirection
- The Stratus controls
- Building/installing - the EASY way
- The ... "do something with my DSP" ... panel in the IDE
- Installation
- Installation directly on the pedal

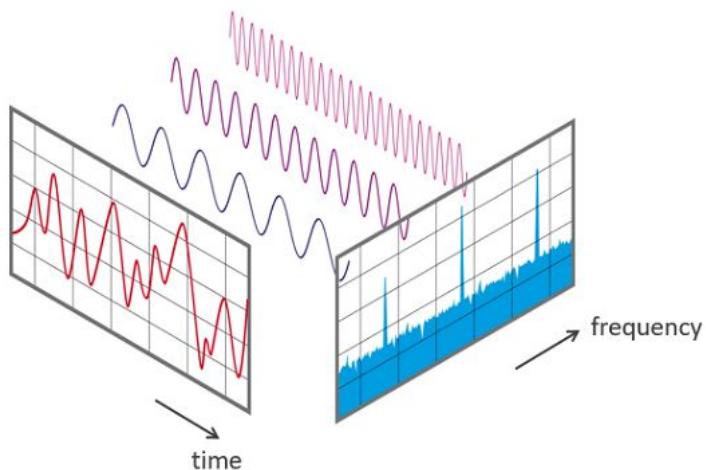
+ Add a custom sidebar



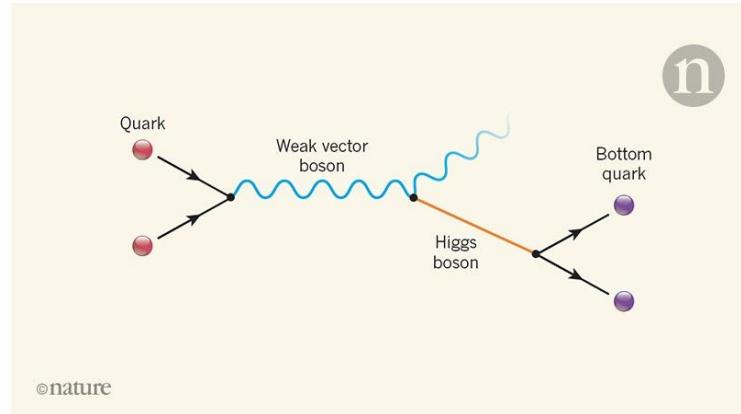
Emulates
this with the
**9-Knob test
effect**

<https://github.com/chaosaudio/Dev-Portal/wiki/Faust-and-the-Stratus-%E2%80%90-a-basic-tutorial>

I can now tell the difference between the Fourier Transform and the Higgs Boson



VS



To do

- Work with SLETZ on *some* scheme that might let the build occur in the Faust service
 - Build on the pedal is slow if the effect is complex
 - Build on a computing device requires Docker to be installed
- Sort out the Faust IDE code!
 - Lets just say it needs some love
 - Implement a logarithmic spectrometer option - I have a working implementation :)
- Oh and ...



FUN DEMO TIME!



AIDA DSP and CHAOS AUDIO



AIDA DSP is bringing their ML amp modeling to Stratus, powered by their AIDA-X modeling system.

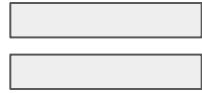
Faust plugins, AIDA amp plugins, and any other plugins can be chained together – just like a real pedalboard!

<https://aida-x.cc/>

Martin Bartlett's

F.A.U.S.T

Stratus toolkit



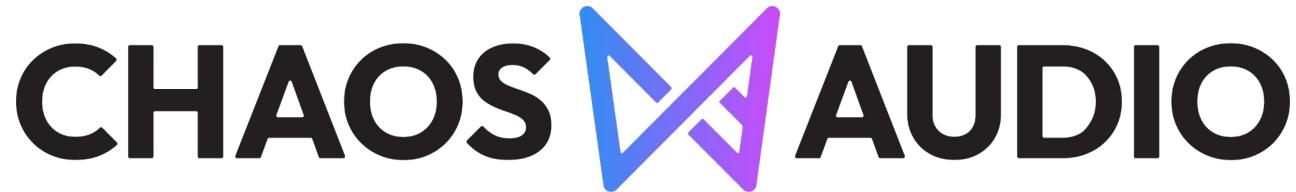
So much potential for



NEW PLUGINS!

HUGE THANK YOU
TO MARTIN!!!

(Literally a huge “thank you”) (Everyone claps virtually!)



Use code “**STRATUSIFC24**” to get \$20 off Stratus!

Use code “**PLUGINSIFC24**” to get 20% off all the
plugins!

<https://chaosaudio.com/>

Thank You 😊