MUFF WIGGLER
Harder, Better, Faster, Stronger

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MUFF WIGGLER

W I G G L E R

MW Radio

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[Project] Music Thing Radio Music 4hp sample player

(newtopic) (postreply)   **MUFF WIGGLER Forum Index -> Music Tech DIY**

Author	[Project] Music Thing Radio Music 4hp sample player

Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

🗋 Posted: Sun Nov 30, 2014 2:18 pm   Post subject: [Project] Music Thing Radio Music 4hp sample player

This is the main thread for my new project, the Music Thing Radio Music Sample Player.

It's a 4hp module that behaves like a Voltage Controlled FM Radio or a Shortwave Radio, but is actually playing files from a SD Card, withou
radio reception.

Why would anyone want a radio station in a modular synth?

Features
- 4hp x 40mm deep
- All through hole, no SMD soldering, including what I think is the world's only through-hole SD Card holder
- Samples stored as 16bit 44.1k mono .raw files on hot-swappable Micro SD cards (up to 32gb)
- 16 banks, up to 75 files in each bank
- Playback is 12 bit, 44.1k, AC coupled
- Based on a Teensy 3.1 microcontroller
- 75ma current draw

Controls
- Station pot (and CV Input) This is how you choose which file to play from the current bank. It works exactly like a radio tuning knob. Like
loop endlessly and continue to play in the background - they don't re-trigger each time you select a new station. If you turn on the module
switch to a channel playing a 30 minute long radio recording, it will be 5 minutes in.
- Start pot (and CV input) This sets where the file will start playing from from if you press the RESET button.
- Reset Button (and trigger input) This restarts the current track at the point set by the Start pot.
- The module creates a settings.txt file on the SD card. By editing this, you can change how the module behaves; how quickly pots respond
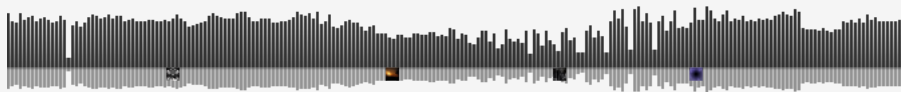
Status
- Here is the wishlist for kits from Thonk
- Software is stable (issue log)
- Rev 2 PCBs are available and will soon be prototyped for the Thonk run
- Hardware designs and my code is all CC-BY-SA licensed

Details
- Manual
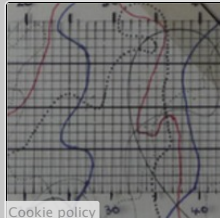- Documentation including build documents, BOM etc
- Suggested audio
- Hardware and Software details
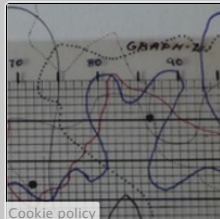
Like this project? Donate some money to Resonance FM so I have something interesting to listen to in the car
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

Last edited by Tombola on Wed Dec 03, 2014 7:34 am; edited 4 times in total

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

🐸 🐸 🐸
Posts: 1322
Location: London, England

🗅 Posted: Sun Nov 30, 2014 2:27 pm   Post subject:

Questions and answers from the other threads, so everything is one place:

Windspirit asked:
1) will this be open source also? If so I may make a whole row for myself :p
> Yes, it is CC-BY-SA

2) with a fast enough clock can you "scrub" the sample position with a saw tooth wave?
> ...ish. If you edit the settings.txt file you can get the module to respond in a fast, raw, noisy way without the affordances that normally m

Stainers asked:
Is there anyway you can get it to keep memory of all settings after a power cycle?
> It retains the current bank (which is set by pushing/holding reset) but not the play position

Waveglider asked:
Does that mean that once you trigger a station, leave it, then come back- the playback position will have followed in real time and it picks u
rather than the position where you left off?
> Yes, that's the idea

B-Art asked:
I mean i really like the whole radio concept and think its awesome for long samples and recordings (conceptual yes!) but i was also plannin
sampler. For various reasons.
>You can probably do this - ie fill up a folder with one shot samples, choose a sample by voltage, then trigger it from the start using the re
>Would be easy enough to add a 'don't loop' option on the SD card if that turns out to be useful.
>OR if you have any arduino coding chops, it's very easy to hack the firmware - you can use the normal Arduino language and upload via a

SpunRaddish asked:
Do we have ways to write to SD cards in modular yet as a function of sample recording?
> And got a long reply from Teensy creator Paul Stoffregen

Taylor12k asked:
is it an fm radio that samples it's own stations?
does it sample outside sources?
>is that it's a sample player with a radio-like interface.
>So you can load up a bunch of Conet Project samples and it's like the easiest SW radio ever.
_____
http://musicthing.co.uk/modular/

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Spip
Common Wiggler

Joined: 19 Jun 2013
Last Visit: 01 Jan 2015

Posts: 159

Posted: Sun Nov 30, 2014 3:20 pm   Post subject:

Really nice ! 🎵

Any idea of when ?

Will it be a DIY kit ?

NS4W
Veteran Wiggler

Joined: 12 Jan 2012
Last Visit: 06 Jan 2015

Posts: 713

Posted: Sun Nov 30, 2014 3:29 pm   Post subject:

I'm already collecting samples to put in it!
_____
http://soundcloud.com/ns4w/

lintfresh
Veteran Wiggler

Joined: 29 Aug 2013
Last Visit: 22 Jan 2015

Posts: 544
Location: Seattle
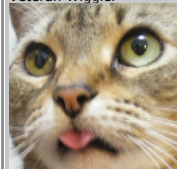
Posted: Sun Nov 30, 2014 3:34 pm   Post subject:

Stand out work as always, Tom.

A few questions if I may:

I'm assuming you're using the onboard PWM for audio output as I don't see a DAC. I'm curious how you feel about the audio quality trade-of
this design decision.

Is the code written using the teensyduino tools?

Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Sun Nov 30, 2014 3:46 pm   Post subject:

> **lintfresh wrote:**
>> I'm assuming you're using the onboard PWM for audio output as I don't see a DAC. I'm curious how you feel about the audio quality trade-offs
>> to this design decision.
>>
>> Is the code written using the teensyduino tools?

The Teensy 3.1 has an on-board 12-bit DAC.

I've been very happy with the sound - it's probably more Akai S900 than Pro Tools HD, but it's full range, loud and clear, as you should be
demos.

Yes, it's all Teensyduino - I've modified a couple of functions in the library a little bit, but it's basically stock, so is really easy for anyone wi
started.
_____
http://musicthing.co.uk/modular/

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knob_alchemist
Common Wiggler

Joined: 22 Jan 2012
Last Visit: 07 Jan 2015

Posted: Sun Nov 30, 2014 3:56 pm   Post subject:

Interesting project....will be my next build.... 🤪🤪🤪🤪🤪🤪🤪🤪🤪🤪
_____
http://knobalchemist.net
http://mixcloud.com/knob_alchemist
http://soundcloud.com/knob_alchemist

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windspirit
Super Deluxe Wiggler

Posted: Sun Nov 30, 2014 3:58 pm   Post subject:

Are the problems with the v1 pcb outlined in the github? I am not very patient 😃

EDIT: nvm, I was being lazy, I looked it up myself. Thank you tom for another amazing module!
_____
http://www.circuitshaman.com/

Joined: 20 Sep 2012
Last Visit: 07 Jan 2015

Posts: 1410
Location: krellifornia

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executiveBlaster
Wiggling with Experience

Posted: Sun Nov 30, 2014 4:14 pm   Post subject:

great work 😊👍
_____
www.supersynthesis.com

Joined: 12 Oct 2011
Last Visit: 05 Jan 2015

Posts: 362

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valis
aliens killed bigfoot

Posted: Sun Nov 30, 2014 4:20 pm   Post subject:

Very cool!

More questions..

1) Can it run on +/-15V
2) Do you envision one will be able to buy just the circuit board without the euro panel?

Thanks!
_____
Lacking in provenance.

Joined: 30 Sep 2008
Last Visit: 06 Jan 2015

Posts: 2122
Location: normality, illinois

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ClausF
Common Wiggler

Posted: Sun Nov 30, 2014 4:32 pm   Post subject:

Great!

Joined: 08 Oct 2012
Last Visit: 06 Jan 2015

Posts: 83

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Tombola
Super Deluxe Wiggler

Posted: Sun Nov 30, 2014 4:40 pm   Post subject:

valis wrote:
> Very cool!
>
> More questions..
>
> 1) Can it run on +/-15V
> 2) Do you envision one will be able to buy just the circuit board without the euro panel?
>
> Thanks!

+-15v should be fine but untested - it's TL07* op amps and a 78L05 feeding the Teensy

This is a pair of super tight boards - there are no mounting holes, no screws/spacers connecting the front and back boards, just panel mou
headers/sockets connecting the two boards - so it *might* be harder than some other designs to hack into a different format.

OTOH, it's so tiny, you could probably make a quad sample player in one of the big formats.

If you did want to do that, the Teensy has more grunt than is being used here - I think people have got it playing 4+ separate .wav files si
card, so with an outboard DAC it might be possible to do a quad/poly version...
_____
http://musicthing.co.uk/modular/

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Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

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mxmxmx
Veteran Wiggler

Joined: 31 May 2012
Last Visit: 03 Jan 2015

Posts: 557
Location: berlin

⬛ Posted: Sun Nov 30, 2014 5:02 pm   Post subject:

> **Tombola wrote:**
>
> If you did want to do that, the Teensy has more grunt than is being used here - I think people have got it playing 4+ separate .wav files simu
> SD card, so with an outboard DAC it might be possible to do a quad/poly version...

people have indeed done this. but doing more than stereo with separate outputs wouldn't be feasible with i2s devices (which most decent a
SPI/DMA isn't currently supported by the API so .. possible maybe, worth the trouble probably no.

_____
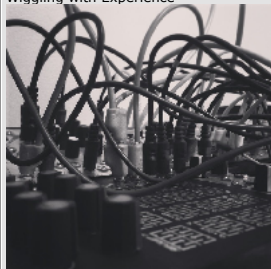http://ultrabeige.tumblr.com/

Last edited by mxmxmx on Sun Nov 30, 2014 6:01 pm; edited 1 time in total

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MrNovember
Wiggling with Experience

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

⬛ Posted: Sun Nov 30, 2014 5:24 pm   Post subject:

Definitely interested in this
Really want a Mikrophonie too
I just need as many weird sound sources as possible apparently

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

⬛ Posted: Sun Nov 30, 2014 5:53 pm   Post subject:

> **mxmxmx wrote:**
>
> > **Tombola wrote:**
> >
> > If you did want to do that, the Teensy has more grunt than is being used here - I think people have got it playing 4+ separate .wav
> > simultaneously from one SD card, so with an outboard DAC it might be possible to do a quad/poly version...
>
> people have indeed done this. but doing more than stereo with separate outputs wouldn't be feasible with i2s devices (which most
> are), and SPI/DMA is currently supported by the API so .. possible maybe, worth the trouble probably no.

Ah, got it.

_____
http://musicthing.co.uk/modular/

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mxmxmx
Veteran Wiggler

⬛ Posted: Sun Nov 30, 2014 6:04 pm   Post subject:

> **Tombola wrote:**
>
> > **mxmxmx wrote:**
> >
> > > **Tombola wrote:**
> > >
> > > If you did want to do that, the Teensy has more grunt than is being used here - I think people have got it playing 4+ separa
> > > .wav files simultaneously from one SD card, so with an outboard DAC it might be possible to do a quad/poly version...
> >
> > people have indeed done this. but doing more than stereo with separate outputs wouldn't be feasible with i2s devices (wh
> > decent audio DACs are), and SPI/DMA is currently supported by the API so .. possible maybe, worth the trouble probably

Ah, got it.

ups. typo - i meant to write "SPI/DMA isn't currently supported by the API so ... " . anyways, it's perfectly possible to stream several files s
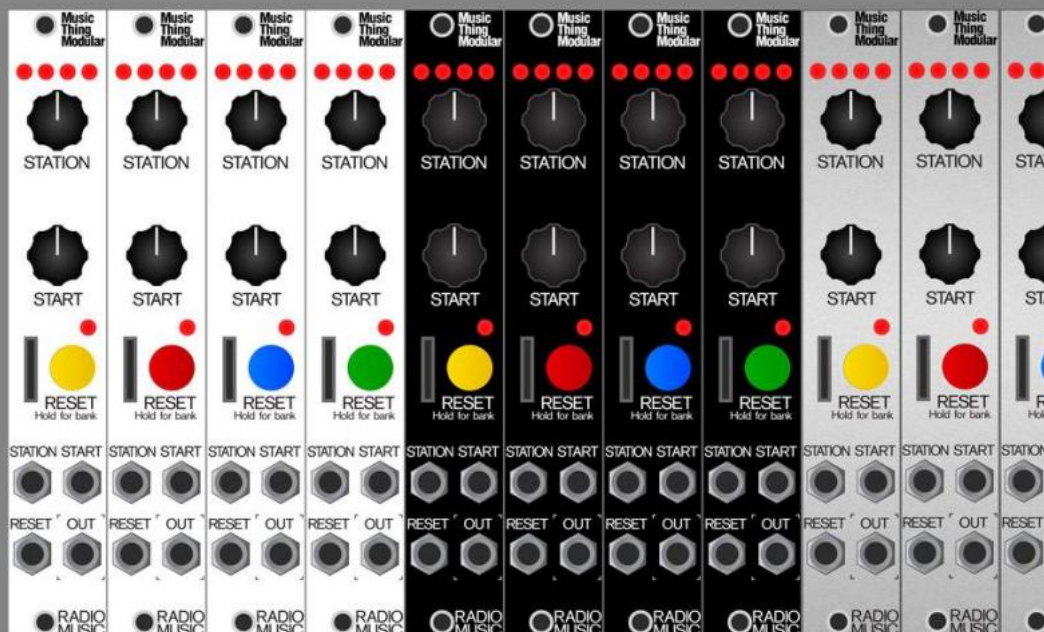inputs will be an easy mod.

_____
http://ultrabeige.tumblr.com/

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Posted: Sun Nov 30, 2014 6:29 pm   Post subject:

Will be doing panels in the same range of colours as the Spring Reverb, White and Black PCB and Aluminium. Oh and with four choices of b

_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

Last edited by Monobass on Fri Dec 19, 2014 8:46 am; edited 2 times in total

oscillateur
Ultra Wiggler

Joined: 20 Feb 2011
Last Visit: 22 Jan 2015

Posts: 883
Location: Tokyo

🗋 Posted: Sun Nov 30, 2014 6:40 pm   Post subject:

Will there be an already built version ?

_____

https://soundcloud.com/boringmachine

LoFi Junglist
Wired for sound

Joined: 30 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1965
Location: Adelaide, Australia.

🗋 Posted: Sun Nov 30, 2014 8:10 pm   Post subject:

> **Monobass wrote:**
> Have started purchasing for the first run of kits. January definitely seems possible right now.

The mailing list doesn't specify how many kits people are interested in. I definitely want two please.

makers
Wiggling with Experience

🗋 Posted: Sun Nov 30, 2014 8:17 pm   Post subject:

I've already got an unused Teensy 3.1. It would be great to have a PCB/panel option sans the Teensy.

_____

Sounds: http://moffenzeef.bandcamp.com

Last edited by makers on Sun Nov 30, 2014 10:58 pm; edited 1 time in total
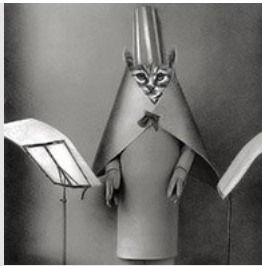
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Ras Thavas
Common Wiggler

Posted: Sun Nov 30, 2014 8:54 pm   Post subject:

A question that I'm sure the answer will be "no" to, but have to ask anyway-

Would two of these with the same "stations" saved on their cards stay remotely in sync after a "reset" pulse? I ask as two thoughts come t
timing pulse tracks.

I'm actually more interested in the second option, I know this isn't supposed to be a sampler, but I'd like some way to sync up the stations
beyond the reset input.
_____
My Current System:
http://www.modulargrid.net/e/racks/view/62913
http://www.modulargrid.net/e/racks/view/84019

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NU
Wiggling with Experience

Posted: Mon Dec 01, 2014 2:08 am   Post subject:

If anyone in North America would be willing to build an extra one for me, please let a dude know.

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Tombola
Super Deluxe Wiggler

Posted: Mon Dec 01, 2014 2:22 am   Post subject:

> **Ras Thavas wrote:**
> A question that I'm sure the answer will be "no" to, but have to ask anyway-
>
> Would two of these with the same "stations" saved on their cards stay remotely in sync after a "reset" pulse? I ask as two thoughts come to n
> timing pulse tracks.
>
> I'm actually more interested in the second option, I know this isn't supposed to be a sampler, but I'd like some way to sync up the stations wi
> modular beyond the reset input.

If you want to build a stereo version, you'd just need:
- An outboard DAC for 2 channel audio - mxmxmx's Eurotrash project would be a good place to start in terms of schematic. OR you could u
- Then you'd need to get my code playing stereo .wav files vs .raw, which shouldn't be a huge piece of work. Again, mxmxmx has done mo
http://forum.pjrc.com/threads/24793-Audio-Library?p=55274&viewfull=1#p ost55274
- A bit more panel space, and at least one SMD component - thats why I didn't do it.
_____

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meatbeatz
Super Deluxe Wiggler

Joined: 17 Mar 2012
Last Visit: 22 Jan 2015

Posts: 1108
Location: Melbourne, Australia

Posted: Mon Dec 01, 2014 10:26 am   Post subject:

genius!

_____
Amalgamod - Modular Synth Cases

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337is
Ultra Wiggler

Joined: 29 Feb 2012
Last Visit: 22 Jan 2015

Posts: 928
Location: SW MI

Posted: Mon Dec 01, 2014 10:30 am   Post subject:
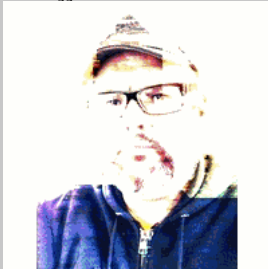
I read about this last night but couldn't watch the video at that time ... mind blown. Watched the video finally this morning. Gobsmacked! C
my name to the Thonk notification list. Incidentally, thanks for making stuff to build that isn't SMD ... my vision doesn't go that small!

_____
SCloud MGrid

I've had great B/S/T transactions with: ryandfl, Soy Sos, metaBit, haven, swordsect, goiks, FSK1138, numan7, dubno, VanEck, rico loverde
paults, vonbonenstein, & soundwave106

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hallvard
Learning to Wiggle

Joined: 08 May 2014
Last Visit: 07 Jan 2015
Posts: 46
Location: Norway

Posted: Mon Dec 01, 2014 11:12 am   Post subject:

Looks very interesting! Looking forward to this 😃.

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mush
Common Wiggler

Joined: 28 Sep 2010
Last Visit: 08 Jan 2015

Posts: 167
Location: Copenhagen, Denmark

Posted: Mon Dec 01, 2014 11:29 am   Post subject:

Is the output DC-coupled so I can use it as a pseudo-random sequencer?

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Mon Dec 01, 2014 11:34 am   Post subject:

> **mush wrote:**
> Is the output DC-coupled so I can use it as a pseudo-random sequencer?

No, sorry - it's AC coupled for audio

_____

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mxmxmx
Veteran Wiggler

Joined: 31 May 2012
Last Visit: 03 Jan 2015

Posts: 557
Location: berlin

Posted: Mon Dec 01, 2014 11:41 am   Post subject:

> **Tombola wrote:**
>> **Ras Thavas wrote:**
>> A question that I'm sure the answer will be "no" to, but have to ask anyway-
>>
>> Would two of these with the same "stations" saved on their cards stay remotely in sync after a "reset" pulse? I ask as two thoughts c
>> mind; stereo files and timing pulse tracks.
>>
>> I'm actually more interested in the second option, I know this isn't supposed to be a sampler, but I'd like some way to sync up the s
>> the rest of my modular beyond the reset input.
>
> If you want to build a stereo version, you'd just need:
> - An outboard DAC for 2 channel audio - mxmxmx's Eurotrash project would be a good place to start in terms of schematic. OR yc
> pins
> - Then you'd need to get my code playing stereo .wav files vs .raw, which shouldn't be a huge piece of work. Again, mxmxmx has
> work here: http://forum.pjrc.com/threads/24793-Audio-Library?p=55274&viewfull=1#p ost55274
> - A bit more panel space, and at least one SMD component - thats why I didn't do it.

i think the easiest way to do this (stereo) would be to just get the pjrc audio adapter and tap the outputs from the codec. you'd still need s
of course, but that's no big deal. all the hard work has been done by paul stoffregen; everything else is a no-brainer. as long as you mount
vertically, and maybe mount the teensy and adapter board side by side, you probably could even do that in 4 HP. then again, compared to
contraptions, soldering a SMD part is easy; also cheaper, quicker and less of a mess.

as to staying in sync: certainly nowhere near sample precise, but there's no noticeable (as in annoying) delay (even with the vanilla wav op
room for improvement). that said, it'll somewhat depend on how you do it, how much else you have going on in your code, it takes some ti
SD card, etc.
_____
http://ultrabeige.tumblr.com/

monstrinho
Super Deluxe Wiggler

Joined: 17 Nov 2011
Last Visit: 07 Jan 2015

Posts: 1478
Location: mundo afora

Posted: Mon Dec 01, 2014 12:24 pm   Post subject:

Is there any easy way to implement an end of file trigger pulse? That's the only feature I could see being really useful that isn't there (apar
if needs be its easy enough to just reverse the sample in a DAW before loading it to the card).

kisielk
Veteran Wiggler

Joined: 24 Dec 2013
Last Visit: 22 Jan 2015

Posts: 674
Location: Vancouver, BC

Posted: Mon Dec 01, 2014 12:32 pm   Post subject:

Thanks for making this whole thing open source. I think there's a lot of potential for other kinds of modules that could be built on this simp
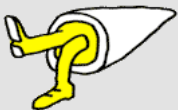hacking 😃

NS4W
Veteran Wiggler

Posted: Mon Dec 01, 2014 1:14 pm   Post subject:

What about pitch shifting? Or just slowing/speeding things up?
_____
http://soundcloud.com/ns4w/

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Posted: Mon Dec 01, 2014 1:32 pm   Post subject:

> **monstrinho wrote:**
> Is there any easy way to implement an end of file trigger pulse? That's the only feature I could see being really useful that isn't there (apart f
> but if needs be its easy enough to just reverse the sample in a DAW before loading it to the card).

The Reset input can electrically act as a digital CV out

I just wrote a random clock sketch (top pot = speed, bottom pot = randomness) in 5 minutes, and it works. (digitalWrite replaces digitalRe

But I don't think I'd want to sacrifice reset in for EOF out.
_____
http://musicthing.co.uk/modular/

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Last edited by Tombola on Mon Dec 01, 2014 1:40 pm; edited 1 time in total

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Posted: Mon Dec 01, 2014 1:38 pm   Post subject:

> **NS4W wrote:**
> What about pitch shifting? Or just slowing/speeding things up?

That was certainly something I'd like to to do - so it becomes a bit 'tape' alongside all the radio.

It's not immediately there in the Teensy audio library, but it shouldn't be too hard to implemenbt.

However, I'm not sure how I'd want to control it with 2 x knobs and 2 x CV inputs.
_____
http://musicthing.co.uk/modular/

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Posted: Tue Dec 02, 2014 12:19 pm   Post subject:

any plans to add expanders ?
_____
web site - acousmatic - post techno - modular improvisation diary - current modular system

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Posted: Tue Dec 02, 2014 12:20 pm   Post subject:

If there was at least a header to access the rest of the pins of the Teensy, that would be great for hacking 😃

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Tombola
Super Deluxe Wiggler

Posted: Tue Dec 02, 2014 12:23 pm   Post subject:

> **eole wrote:**
> any plans to add expanders ? 🎨🎵

If you install stackable headers in the Teensy, it would be possible to access unused pins by creating some kind of shield connecting round

However, it would start to make the module pretty deep - it would be a trade off there
_____
http://musicthing.co.uk/modular/

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kisielk
Veteran Wiggler

Posted: Tue Dec 02, 2014 12:24 pm   Post subject:

ah, so the Teensy just hangs off the back of the module? should be no problem then 😃

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Tombola
Super Deluxe Wiggler

Posted: Tue Dec 02, 2014 12:27 pm   Post subject:

> **kisielk wrote:**
> ah, so the Teensy just hangs off the back of the module? should be no problem then 😃

Yes, you can see one way to do it here: https://github.com/TomWhitwell/RadioMusic/wiki/Building-the-Radio-Musi c-module

If you made a Panel / Front PCB / Rear PCB / Female Headers / Teensy PCB / Stackable Headers / Expander PCB / it would be pretty deep.
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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windspirit
Super Deluxe Wiggler

Posted: Tue Dec 02, 2014 4:26 pm   Post subject:

You could always just reverse the pin headers for the teensy pins that you want access to and have cables running to an expander.
_____
http://www.circuitshaman.com/

Posts: 1410
Location: krellifornia

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Tombola
Super Deluxe Wiggler

Posted: Wed Dec 03, 2014 7:32 am   Post subject:

Rev 2 PCB Files are up: https://github.com/TomWhitwell/RadioMusic/tree/master/RadioMusicHardwa re/Gerbers/Rev%202%20Gerbers%2

These are designed but not yet prototyped. Changes are small but significant.

If it was me, I'd make 10, I wouldn't make 200.

_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

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ABC
Common Wiggler

Posted: Wed Dec 03, 2014 11:58 am   Post subject:

this type of module is the reason why I got into modular DIY.

Hyped.

What's the rough estimated cost of PCB/Panel/Chip?

_____
bewilderbeast.bandcamp.com

Joined: 29 Jun 2012
Last Visit: 07 Jan 2015

Posts: 109
Location: The Street, Metaverse

Back to top [profile] [pm]

rosch
roadkill

Posted: Wed Dec 03, 2014 12:28 pm   Post subject:

> **Tombola wrote:**
> If you made a Panel / Front PCB / Rear PCB / Female Headers / Teensy PCB / Stackable Headers / Expander PCB / it would be pretty deep...

also of course best to do it without one single screw to fix anything.

Joined: 23 Dec 2010
Last Visit: 07 Jan 2015

Posts: 627
Location: doucheland

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Tombola
Super Deluxe Wiggler

Posted: Thu Dec 04, 2014 5:27 am   Post subject:

> **rosch wrote:**
> > **Tombola wrote:**
> > If you made a Panel / Front PCB / Rear PCB / Female Headers / Teensy PCB / Stackable Headers / Expander PCB / it would be pretty
>
> also of course best to do it without one single screw to fix anything.

= maximum mojo

_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

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concretic

Posted: Fri Dec 05, 2014 7:24 pm   Post subject:

You have added this person to your **Ignore List**. Click HERE to view this post.

Last Visit: 22 Jan 2015

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wired
Wiggling with Experience

Joined: 18 Aug 2012
Last Visit: 07 Jan 2015

Posts: 467
Location: Europe - Belgium

Posted: Sat Dec 06, 2014 4:19 am   Post subject:

Really looking forward to build and play with this one 🎉

_____
Wired to Make Noise

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Blootaka
Common Wiggler

Joined: 28 Apr 2013
Last Visit: 21 Jan 2015

Posts: 118
Location: Courtenay, BC

Posted: Sun Dec 07, 2014 12:58 am   Post subject:

This looks great! Would love to see the don't loop option implemented.

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Sun Dec 07, 2014 1:50 pm   Post subject:

Blootaka wrote:
> This looks great! Would love to see the don't loop option implemented.

Don't loop is done...
https://github.com/TomWhitwell/RadioMusic/wiki/Customise-your-module:-_Editing-settings.txt

_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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nfmitchell
Learning to Wiggle

Joined: 04 Aug 2013
Last Visit: 21 Jan 2015

Posts: 4

Posted: Sun Dec 07, 2014 8:11 pm   Post subject:

Is there a set price for the kit/completed unit yet?

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PaulStoffregen
Learning to Wiggle

Joined: 29 Aug 2014
Last Visit: 29 Dec 2014
Posts: 12

Posted: Sun Dec 07, 2014 10:57 pm   Post subject:

On the SD card setup page, it mentions "Load compressed mp3/flac files (unlikely to be possible on this hardware)".

Just wanted to let you know Frank B is working on porting the Real Netwoks Helix MP3 code. Already a couple people have managed to get files. The code is still pretty rough, but at least it is possible.

However, seeking in MP3 is tricky. The data is stored in 26 millisecond overlapping blocks, which isn't nearly as nice to work with as uncom to eat up chunks of CPU time every 26 ms, which might add some noticeable latency.

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---

timpecter
Common Wiggler

Joined: 01 Apr 2011
Last Visit: 06 Jan 2015

Posts: 55

Posted: Mon Dec 08, 2014 6:15 am   Post subject:

Sorry if this is a dumb question but is there a schematic on the Git repository?

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Mon Dec 08, 2014 7:55 pm   Post subject:

> **timpecter wrote:**
> Sorry if this is a dumb question but is there a schematic on the Git repository?

I just added them: https://github.com/TomWhitwell/RadioMusic/wiki/Rev-2-Schematics

+ Thanks for that Paul on the MP3 playback, I've updated the wiki page with your notes
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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Monobass
thonk.co.uk

Joined: 29 May 2009
Last Visit: 06 Jan 2015

Posts: 8287
Location: Brighton, UK

Posted: Wed Dec 10, 2014 1:11 pm   Post subject:

> **nfmitchell wrote:**
> Is there a set price for the kit/completed unit yet?

Well right now... to the best of my knowledge the Kit will not be more expensive than any other Music Thing Kit that I sell.

I'll have a better idea of price in early Jan and it looks like I can get this on sale in late January.

But most likely I won't publish the price until about 20 seconds before I actually put it on sale, because I will have worked it out about 30 s 😃
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

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Tombola
Super Deluxe Wiggler

Posted: Wed Dec 10, 2014 1:28 pm   Post subject:

> **nfmitchell wrote:**
> Is there a set price for the kit/completed unit yet?

Headlines of the BOM to help you get a sense of this if you don't want to wait for the kit:
3 x PCBs, including the panel, all slightly smaller than the Spring Reverb triple PCB set
1 x Teensy - OSHPark were selling them for $20, currently sold out, available elsewhere

1 x Good quality Micro SD Card = Ã‚Â£5-Ã‚Â£20 depending on size
2 x Alpha Pots
4 x Thonkiconn sockets
1 x C&K D6 button
1 x rare and obscure but in production YAMAICHI PJS008U-3000-0 SD Card holder
1 x Bourns 3362P Trimmer, but you could hack other kinds into the space
A bunch of male and female pin headers

Everything else is generic components - op amp, resistors, caps, standard LEDs, 5v voltage reg etc.

Full BOM is here: https://github.com/TomWhitwell/RadioMusic/wiki/BOM---Parts-List
_____

http://musicthing.co.uk/modular/

The Music Thing Module GeneratorÂ®

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

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Monobass
thonk.co.uk

Posted: Wed Dec 10, 2014 1:38 pm   Post subject:

> **Tombola wrote:**
>> 1 x rare and obscure but in production YAMAICHI PJS008U-3000-0 SD Card holder

Good news on this one, will be sell this part as an option with the bare PCBs.
_____

Thonk - Modular Synth DIY + Eurorack Accessories Store

Joined: 29 May 2009
Last Visit: 06 Jan 2015

Posts: 8287
Location: Brighton, UK

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---

bezier
Common Wiggler

Posted: Wed Dec 10, 2014 6:23 pm   Post subject:

> **Monobass wrote:**
>> Good news on this one, will be sell this part as an option with the bare PCBs.

Joined: 29 Jan 2013
Last Visit: 06 Jan 2015

Posts: 172
Location: Germany, Kiel

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Kummer
Common Wiggler

Posted: Wed Dec 10, 2014 10:35 pm   Post subject:

Would anyone be willing to build one of these for me? I'm in the U.S.

Joined: 28 Aug 2014
Last Visit: 04 Jan 2015
Posts: 208
Location: St. Louis

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---

makers
Wiggling with Experience

Posted: Wed Dec 10, 2014 10:38 pm   Post subject:

This?

http://www.mouser.com/ProductDetail/Yamaichi-Electronics/PJS008U-3000-_0/?qs=nO3wRANIIvnp3f0XwG2X3A%3D%3DO

I'd be willing to build a couple for folks.
_____

Sounds: http://moffenzeef.bandcamp.com

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Tombola
Super Deluxe Wiggler

Posted: Thu Dec 11, 2014 7:54 am   Post subject:

> **makers wrote:**
> This?
>
> http://www.mouser.com/ProductDetail/Yamaichi-Electronics/PJS008U-3000-_0/?qs=nO3wRANIIvnp3f0XwG2X3A%3D%3DQ

That's great that they're available in the US. Mouser won't sell them in the UK.

US proxy:

Yamaichi Electronics PJS008U-3000-0

See an Error?

Real Time Availability		
Stock:	1,598	Can Ship Immediately
On Order:	2400	View Delivery Dates
Factory Lead-Time:		12 Weeks

Enter Quantity:

...ctors MicroSD Card
...anual

UK Connection:

...rs > Yamaichi Electronics PJS008U-3000-0

See an Error?

...000-0

...nics

...nnectors MicroSD Card
...t Manual

...t Yamaichi Electronics

Real Time Availability
Restricted Availability

Pricing (GBP)

http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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wired
Wiggling with Experience

Posted: Thu Dec 11, 2014 12:28 pm   Post subject:

Will wait for Thonk kit

_____
Wired to Make Noise

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Lachlan C.
Learning to Wiggle
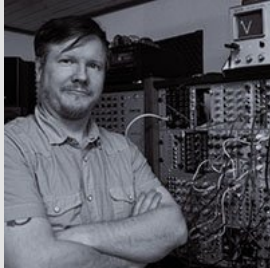
Posted: Sat Dec 13, 2014 3:48 pm   Post subject:

Amazing work Tom! Not just on the project but the incredibly thorough support documentation. Really looking forward to building and using

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JJ
Veteran Wiggler

Posted: Sat Dec 13, 2014 8:13 pm   Post subject:

would buy a kit!
_____
Konekonekone

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---

inlifeindeath
Common Wiggler

Posted: Sat Dec 13, 2014 11:12 pm   Post subject:

any chance of bringing a loop/don't loop switch to the panel. extra HP should be no issue for such a cool project!
_____
http://www.youtube.com/user/borisandfef

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4floorsofwhores
Common Wiggler

Posted: Sun Dec 14, 2014 3:03 am   Post subject:

> **inlifeindeath wrote:**
> any chance of bringing a loop/don't loop switch to the panel. extra HP should be no issue for such a cool project!

^^^this
_____
Careful now

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Tombola
Super Deluxe Wiggler

Posted: Sun Dec 14, 2014 4:26 am   Post subject:

> **4floorsofwhores wrote:**
>> **inlifeindeath wrote:**
>> any chance of bringing a loop/don't loop switch to the panel. extra HP should be no issue for such a cool project!
>
> ^^^this

Could you say more about how you would use a loop/no loop switch?

I'm trying to visualise the kind of patches you're thinking of
_____
http://musicthing.co.uk/modular/

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concretic

Last Visit: 22 Jan 2015

Posted: Sun Dec 14, 2014 5:27 am   Post subject:

You have added this person to your **Ignore List**. Click HERE to view this post.

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---

mxmxmx
Veteran Wiggler

Joined: 31 May 2012
Last Visit: 03 Jan 2015

Posts: 557
Location: berlin

Posted: Sun Dec 14, 2014 5:34 am   Post subject:

> **concretic wrote:**
>> **Tombola wrote:**
>>> **4floorsofwhores wrote:**
>>>> **inlifeindeath wrote:**
>>>>> any chance of bringing a loop/don't loop switch to the panel. extra HP should be no issue for such a cool project!
>>>>
>>>> ^^^this
>>>
>>> Could you say more about how you would use a loop/no loop switch?
>>>
>>> I'm trying to visualise the kind of patches you're thinking of
>>
>> I would hack loop/noloop with 2 files.. one with long silence on the end of sample...

having played around with this for some time now i'd say "loop" is largely superfluous; in a modular context, nothing keeps you from re-trig
made to work 'seamlessly', ie no clicks etc.
_____
http://ultrabeige.tumblr.com/

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---

windspirit
Super Deluxe Wiggler

Joined: 20 Sep 2012
Last Visit: 07 Jan 2015

Posts: 1410
Location: krellifornia

Posted: Sun Dec 14, 2014 6:29 am   Post subject:

I kind of want to make 2 of these and mock up an over-lap add grainular scenario.
_____
http://www.circuitshaman.com/

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Sun Dec 14, 2014 7:11 am   Post subject:

> **windspirit wrote:**
> I kind of want to make 2 of these and mock up an over-lap add grainular scenario.

You could probably do that in just one module if you hack the firmware. The Teensy has the grunt to read 2 x separate files at once, and to
output. You'd just need to work out the interface - how you'd control the process with 2 x CV and 1 x trigger and 2x knobs and one button.
_____
http://musicthing.co.uk/modular/

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---

windspirit
Super Deluxe Wiggler

Joined: 20 Sep 2012
Last Visit: 07 Jan 2015

Posted: Sun Dec 14, 2014 8:35 am   Post subject:

I thought of that, I was thinking it would just time the space in between triggers and use that as the grain size but I also kind of like the ide
read and then using that as a basis for grainular - it's more modular that way, start from there and make it weirder.
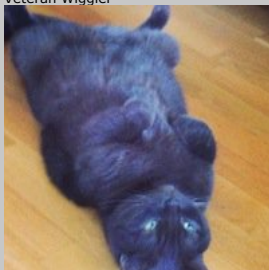_____
http://www.circuitshaman.com/

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Jonachi
Veteran Wiggler

Posted: Sun Dec 14, 2014 9:31 am   Post subject:

> **Monobass wrote:**
> Have started purchasing for the first run of kits. January definitely seems possible right now.

Still possible?
_____
I'm allergic to nuts!

http://vamusic.bandcamp.com/
http://soundcloud.com/vikingsade
http://soundcloud.com/jonachi-1

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---

lessavyfav
Super Deluxe Wiggler

Posted: Sun Dec 14, 2014 10:15 pm   Post subject:

scited

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---

dan_k
Ultra Wiggler

Posted: Tue Dec 16, 2014 12:16 am   Post subject:

This looks fantastic Tom! Thanks for all your hard work on this.

Looking forward to picking up one or two kits when they become available.

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---

lms.ktp
the slowest growing eurorack owner

Posted: Tue Dec 16, 2014 3:39 am   Post subject:

Great work! Jus entered the Thonk wishlist 😃
_____
http://soundcloud.com/aica8-bit

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KNYST
hiding in the forest

Posted: Wed Dec 17, 2014 2:55 pm   Post subject:

I'm definitely in for this.
Thanks Tom for making these clever little things
_____

NOISE HEALS.
patch responsibly.
LISTEN | WATCH
>> The KNYST GONG performances!

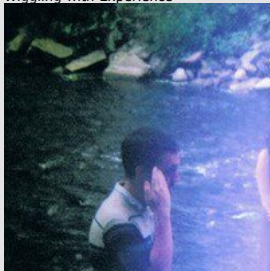Joined: 26 Jan 2009
Last Visit: 01 Jan 2015

Posts: 2748
Location: the Taiga, Sweden

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---

pwranml
Wiggling with Experience

Joined: 07 Dec 2013
Last Visit: 22 Jan 2015

Posts: 292
Location: Philadelphia

Posted: Wed Dec 17, 2014 3:15 pm   Post subject:

> **Tombola wrote:**
> > **NS4W wrote:**
> > > What about pitch shifting? Or just slowing/speeding things up?
> >
> > That was certainly something I'd like to to do - so it becomes a bit 'tape' alongside all the radio.
> >
> > It's not immediately there in the Teensy audio library, but it shouldn't be too hard to implemenbt.
> >
> > However, I'm not sure how I'd want to control it with 2 x knobs and 2 x CV inputs.

Just wanted to second that. That's the only thing keeping me from immediately jumping on this. I love having complex patches where I can
mix halfway through eg: http://instagram.com/p/ppHHOdAHpr/

I don't need much in a sample player (phonogene is there for complex glitchy stuff) but some sort of tuning knob (even without cv) is kinda
though. Regardless this looks insanely great especially with that hp.

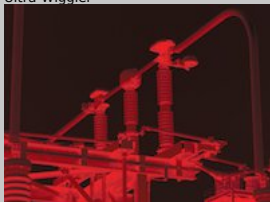Also cant wait to get the turing machine and spring reverb once they're back in stock at ctrl-mod.

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---

waveglider
Ultra Wiggler

Joined: 28 Feb 2013
Last Visit: 22 Jan 2015

Posts: 751
Location: Oakland

Posted: Wed Dec 17, 2014 3:33 pm   Post subject:

I think the feature set as it stands is perfect for 4hp. The concept behind the module is brilliant and all these extra features would be best s
module/project.
_____
My Modular | My Audio

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MrNovember
Wiggling with Experience

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

Posted: Wed Dec 17, 2014 3:43 pm   Post subject:

Starting to think I may replace my Nebulae with one of these + a Phonogene, or the upcoming MI Clouds if it is in fact some sort of granula

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KNYST
hiding in the forest

Posted: Wed Dec 17, 2014 3:53 pm   Post subject:

> **pwranml wrote:**
> > **Tombola wrote:**

Joined: 26 Jan 2009
Last Visit: 01 Jan 2015

Posts: 2748
Location: the Taiga, Sweden

Me third. Would be sweet.
_____
NOISE HEALS.
patch responsibly.
LISTEN | WATCH
>> The KNYST GONG performances!

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MrNovember
Wiggling with Experience

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

Posted: Wed Dec 17, 2014 3:58 pm   Post subject:

> **KNYST wrote:**
>> **pwranml wrote:**
>>> **Tombola wrote:**
>>>> **NS4W wrote:**
>>>>> What about pitch shifting? Or just slowing/speeding things up?
>>>>
>>>> That was certainly something I'd like to to do - so it becomes a bit 'tape' alongside all the radio.
>>>>
>>>> It's not immediately there in the Teensy audio library, but it shouldn't be too hard to implemenbt.
>>>>
>>>> However, I'm not sure how I'd want to control it with 2 x knobs and 2 x CV inputs.
>>>
>>> Just wanted to second that.
>>
>> Me third. Would be sweet.

Me fourth. This would be sweet.
A 4hp Radio Music Tape expander with pitch and speed knobs would be amazing

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---

mapmap
Wiggling with Experience

Joined: 09 Feb 2012
Last Visit: 22 Jan 2015

Posts: 323
Location: portland, or

Posted: Wed Dec 17, 2014 7:43 pm   Post subject:

That would be a really amazing feature.
_____
_____
mapmap.ch
dustbreeding.com

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---

sempervirent
Super Deluxe Wiggler

Joined: 06 Oct 2010
Last Visit: 21 Jan 2015

Posts: 2583
Location: Amerika

Posted: Wed Dec 17, 2014 8:35 pm   Post subject:

Doing a run of aluminum panels:
http://grayscale.info/panels/music-thing-radio-music/

Will also do a run of PCBs once the v2 boards have been validated.
_____
Grayscale Modular + Facebook + ModularGrid

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---

windspirit
Super Deluxe Wiggler

Posted: Wed Dec 17, 2014 9:59 pm   Post subject:

Looks good! Dig the new avatar too 🙂
_____
http://www.circuitshaman.com/

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SpunRaddish
Wiggling with Experience

Posted: Sat Dec 20, 2014 12:20 pm   Post subject:

I almost forgot to ask an important question - is there anything that relies on normalization, because I'm thinking of integrating it into a ba

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Tombola
Super Deluxe Wiggler

Posted: Sat Dec 20, 2014 12:44 pm   Post subject:

> **SpunRaddish wrote:**
> I almost forgot to ask an important question - is there anything that relies on normalization, because I'm thinking of integrating it into a bana

You should be fine, none of the socket switches are used
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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SpunRaddish
Wiggling with Experience

Posted: Sat Dec 20, 2014 12:54 pm   Post subject:

Excellent, I'll be picking up 3 for a future project then!

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---

rosch
roadkill

Posted: Sat Dec 20, 2014 4:33 pm   Post subject:

Thonk are you gonna offer full kits with Grayscale panels too? I'm interested in full kit but would really prefer metal face.

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Monobass
thonk.co.uk

Posted: Sun Dec 21, 2014 3:21 am   Post subject:

I'll have more details in January (I'm about to actually take some time away from the interwebs 😊) but I'll be stocking three types of pane
as the Spring Reverb

A) Thonk Aluminium
B) Black PCB panel
C) White PCB panel

With a choice of red, green, blue or yellow button/switch.

I'll be selling both

1) full kit with panel and switch choice
2) Panel/PCB set with some bundled parts (Micro SD card slot and coloured switch probably)
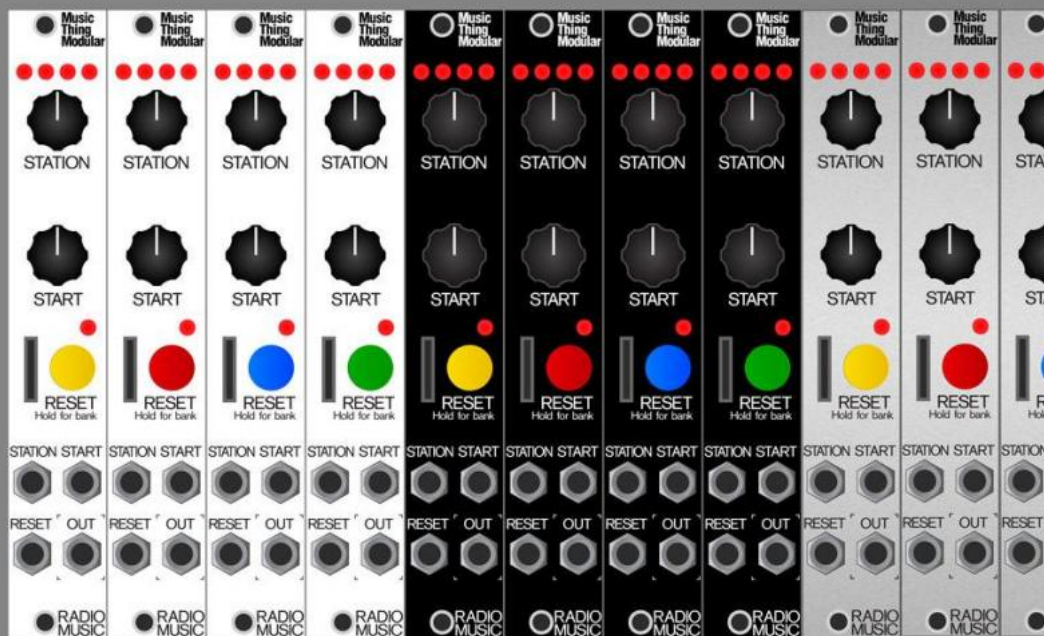
Thonk - Modular Synth DIY + Eurorack Accessories Store

PaulStoffregen
Learning to Wiggle

Joined: 29 Aug 2014
Last Visit: 29 Dec 2014
Posts: 12

Posted: Sun Dec 21, 2014 7:18 am   Post subject:

> **Tombola wrote:**
>
>> **windspirit wrote:**
>>> I kind of want to make 2 of these and mock up an over-lap add grainular scenario.
>>
>> You could probably do that in just one module if you hack the firmware. The Teensy has the grunt to read 2 x separate files at on
>> two files into one output.
>> ....

If you try playing more than 1 stream, I highly recommend using a higher quality SD card. While developing the Teensy Audio Library, I tes
even put a benchmark in the library, which you can open in Arduino from File > Examples > Audio > HardwareTesting > SdCardTest.

SanDisk Ultra consistently preforms much better than most others. They're easy to spot, with bright red+gray color. Beware counterfeits, e
on Amazon.

Speed ratings on SD cards measure only sequential access, meant for digital cameras to read or write a single large file at a time. Many "Cl
actually have very high "seek" latency, probably due to poor buffer management inside the card's controller. When playing multiple streams
reads from each file are interleaved, and occasional reads from the FAT filesystem tables get mixed in too, resulting in an access pattern th
possible case for a card optimized only for sequential access. Better SD cards handle this well, but the cheapest ones do poorly.

The good news is even the cheapest, worst performing SD cards are able to play a single file very well.

Monobass
thonk.co.uk

Joined: 29 May 2009
Last Visit: 06 Jan 2015
🐸🐸🐸🐸🐸
Posts: 8287
Location: Brighton, UK

Posted: Sun Dec 21, 2014 7:27 am   Post subject:

I bought some of the very cheapest cards on ebay to try out with Radio Music just to see what happened.. I'd definitely avoid unbranded ca

Sandisk and Kingston have performed very reliably though.
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

PaulStoffregen
Learning to Wiggle

Joined: 29 Aug 2014
Last Visit: 29 Dec 2014
Posts: 12

Posted: Sun Dec 21, 2014 7:27 am   Post subject:

Arduino's SD library supports SD and SDHC, but not SDXC (more than 32 GB).

mxmxmx
Veteran Wiggler

Posted: Sun Dec 21, 2014 8:29 am   Post subject:

MUSIC THING MODULAR
RADIO MUSIC 4HP 16b 44k SAMPLE PLAYBACK MODULE
AVAILABLE EARLY 2015

not to be pedantic, but the more accurate description would be "12 bit 44.1kHz"; cf. "supported hardware" -- http://www.pjrc.com/teensy/
_____

Joined: 31 May 2012
Last Visit: 03 Jan 2015

Posts: 557
Location: berlin

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Monobass
thonk.co.uk

☐ Posted: Sun Dec 21, 2014 8:36 am   Post subject:

yeah that is ambiguous regarding the bitrate actually, I was referring to the files on the card rather than the playback.

44k is a common abbreviation for 44.1kHz
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

Joined: 29 May 2009
Last Visit: 06 Jan 2015

Posts: 8287
Location: Brighton, UK

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b-art
Common Wiggler

☐ Posted: Sun Dec 21, 2014 9:02 am   Post subject:

I too want to add something about being able to pitch. As much as i would like this feature too... it makes less sense when you keep in min
this modules main function. Sure it's very handy for drum loops, voices etc. but...

The pitch settings might be way off as soon as you switch to a different station. In that sense the pitching becomes an obstacle for switchin
(well documented) philosophy behind this module is that it is a Radio Station Module not a sampler per se.

So in my humble opinion and without trying to tell anybody what to do, I would either make a slightly other version of this PCB and/or it's f
Sampler approach or make an expander option.

It might feel counter intuitive to not ask for a feature you desire but in this case i think it would be wise to do so...

Joined: 24 Jul 2014
Last Visit: 06 Jan 2015
Posts: 146
Location: Europe

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Monobass
thonk.co.uk

☐ Posted: Sun Dec 21, 2014 9:05 am   Post subject:

Just consider the module a framework for whatever you want it to be, with 'Radio Music' being the default setting.

And also everyone please keep calling out the features you desire, it doesn't mean Tombola will implement them, but someone else likely w
nature is this modules greatest strength
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

Joined: 29 May 2009
Last Visit: 06 Jan 2015

Posts: 8287
Location: Brighton, UK

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MrNovember
Wiggling with Experience

☐ Posted: Sun Dec 21, 2014 1:33 pm   Post subject:

Are the black panels a matte black as in Make Noise's black PCBs? If so I'll take one with a red button please!

Also I want to modify my suggestion for an expansion to two different expansions. Both 3 or 4 hp. One for pitch with an attenuverter and o

attenuverter. Or just do one 6 to 8 hp expansion with all of that and end of sample trigger

---

monstrinho
Super Deluxe Wiggler

Joined: 17 Nov 2011
Last Visit: 07 Jan 2015

Posts: 1478
Location: mundo afora

Posted: Sun Dec 21, 2014 1:52 pm   Post subject:

> **Monobass wrote:**
> Just consider the module a framework for whatever you want it to be, with 'Radio Music' being the default setting.
>
> And also everyone please keep calling out the features you desire, it doesn't mean Tombola will implement them, but someone else likely will.
> nature is this modules greatest strength

I really like the module as it stands, but if it is possible to include an expansion header on the PCB to make a few additional features possib
honestly don't know how feasible this is, which features would require a modification of the firmware etc. I'd love to have an end of file trig
current front panel features, for example. Voltage control of things like sample pitch and start/end time would also be cool Having a front p
between loop/don't loop would also be useful. Again, I really don't mind if these things are never implemented. I think the design as it stan
thought out. I will certainly buy a couple kits even if this never evolves beyond the current design.

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Monobass
thonk.co.uk

Joined: 29 May 2009
Last Visit: 06 Jan 2015

Posts: 8287
Location: Brighton, UK

Posted: Sun Dec 21, 2014 4:05 pm   Post subject:

> **MrNovember wrote:**
> Are the black panels a matte black as in Make Noise's black PCBs?

No they're glossy. I won't be doing any matte panels but anyone could get a run of those done from the open source gerbers.
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

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NS4W
Veteran Wiggler

Joined: 12 Jan 2012
Last Visit: 06 Jan 2015

Posts: 713

Posted: Sun Dec 21, 2014 6:20 pm   Post subject:

Does the reset function only reset the current playing station?
_____
http://soundcloud.com/ns4w/

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MrNovember
Wiggling with Experience

Posted: Sun Dec 21, 2014 10:41 pm   Post subject:

> **Monobass wrote:**
>> **MrNovember wrote:**
>> Are the black panels a matte black as in Make Noise's black PCBs?
>
> No they're glossy. I won't be doing any matte panels but anyone could get a run of those done from the open source gerbers.

Hmmm I guess it'll be Greyscale for me then

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kisielk
Veteran Wiggler

Posted: Sun Dec 21, 2014 10:45 pm   Post subject:

> **monstrinho wrote:**
>
>> **Monobass wrote:**
>>
>>> Just consider the module a framework for whatever you want it to be, with 'Radio Music' being the default setting.
>>>
>>> And also everyone please keep calling out the features you desire, it doesn't mean Tombola will implement them, but someone else [...] as the open source nature is this modules greatest strength
>>
>> I really like the module as it stands, but if it is possible to include an expansion header on the PCB to make a few additional featur[...] would be great. I honestly don't know how feasible this is, which features would require a modification of the firmware etc. I'd love [...] file trigger without sacrificing the current front panel features, for example. Voltage control of things like sample pitch and start/e[...] be cool Having a front panel switch to choose between loop/don't loop would also be useful. Again, I really don't mind if these thin[...] implemented. I think the design as it stands is simple, elegant and well thought out. I will certainly buy a couple kits even if this n[...] beyond the current design.

I already asked about this (and got an answer) a few pages back. It's possible if you use some longer pin headers.

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Monobass
thonk.co.uk

Posted: Mon Dec 22, 2014 4:12 am   Post subject:

> **MrNovember wrote:**
>
>> **Monobass wrote:**
>>
>>> **MrNovember wrote:**
>>>
>>>> Are the black panels a matte black as in Make Noise's black PCBs?
>>>
>>> No they're glossy. I won't be doing any matte panels but anyone could get a run of those done from the open source gerb[...]
>>
>> Hmmm I guess it'll be Greyscale for me then

It's an open source project MrNovember, you can do it yourself.
_____
Thonk - Modular Synth DIY + Eurorack Accessories Store

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CliffordMilk
Learning to Wiggle

Posted: Mon Dec 22, 2014 6:42 am   Post subject:

Great idea. Definitely worth a place in the rack. I already use a similar technique for live sample shifting with an Octatrack so it would be g[...] modular.

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MrNovember
Wiggling with Experience

Posted: Mon Dec 22, 2014 10:50 am   Post subject:

> **Monobass wrote:**
>
>> **MrNovember wrote:**
>>
>>> **Monobass wrote:**
>>>
>>>> **MrNovember wrote:**
>>>>
>>>>> Are the black panels a matte black as in Make Noise's black PCBs?

No they're glossy. I won't be doing any matte panels but anyone could get a run of those done from the open sour
gerbers.

Hmmm I guess it'll be Greyscale for me then 😞

It's an open source project MrNovember, you can do it yourself.

I may try to do it myself but it's really not a big deal. I was mostly asking because I don't want to order a black one and then find out it's g

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

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Tombola
Super Deluxe Wiggler

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

Posted: Mon Dec 22, 2014 1:03 pm   Post subject:

RE: Feature requests, bug reports, documentation:

If you can leave these in the Github issue tracker, that would be super helpful for me and anyone else developing on the platform.

You can also seen known & fixed issues there, for hardware & firmware:

https://github.com/TomWhitwell/RadioMusic/issues

The documentation is also a Wiki, so you can edit / improve / clarify as we go along. I'd really like (it if someone decided to) to turn this th
Machine thread answers every question dozens of times.

https://github.com/TomWhitwell/RadioMusic/wiki
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

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meatbeatz
Super Deluxe Wiggler

Joined: 17 Mar 2012
Last Visit: 22 Jan 2015

Posts: 1108
Location: Melbourne, Australia

Posted: Mon Dec 22, 2014 10:26 pm   Post subject:

> **MrNovember wrote:**
> I was mostly asking because I don't want to order a black one and then find out it's glossy.

you could always use 1200 grit and rub off the gloss. Or sand and paint it matte black. easy.
_____
Amalgamod - Modular Synth Cases

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MrNovember
Wiggling with Experience

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

Posted: Mon Dec 22, 2014 10:27 pm   Post subject:

> **meatbeatz wrote:**
>> **MrNovember wrote:**
>> I was mostly asking because I don't want to order a black one and then find out it's glossy.
>
> you could always use 1200 grit and rub off the gloss. Or sand and paint it matte black. easy.

Interesting. I never considered that before. Might go try that on my Dirt Filter. Thanks

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meatbeatz
Super Deluxe Wiggler

Posted: Mon Dec 22, 2014 11:09 pm   Post subject:

go lightly in small circles and you should be able to avoid lines 😀
_____
Amalgamod - Modular Synth Cases

Joined: 17 Mar 2012
Last Visit: 22 Jan 2015

Posts: 1108
Location: Melbourne, Australia

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NS4W
Veteran Wiggler

Posted: Tue Dec 23, 2014 9:32 am   Post subject:

I think this module will pair well with Ginko Synthese Sampleslicer
_____
http://soundcloud.com/ns4w/

Joined: 12 Jan 2012
Last Visit: 06 Jan 2015

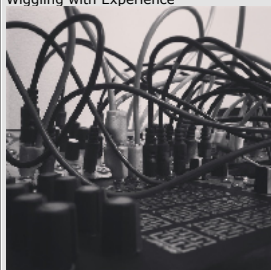Posts: 713

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MrNovember
Wiggling with Experience

Posted: Tue Dec 23, 2014 10:48 am   Post subject:

> **NS4W wrote:**
> I think this module will pair well with Ginko Synthese Sampleslicer

A limited pre-order for the Sampleslicer is up on their site
And I have to agree, it definitely would pair well

Joined: 21 Nov 2013
Last Visit: 22 Jan 2015

Posts: 268
Location: Outside Toronto, Ontario

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Tombola
Super Deluxe Wiggler

Posted: Fri Dec 26, 2014 5:07 am   Post subject:

> **NS4W wrote:**
> I think this module will pair well with Ginko Synthese Sampleslicer

I don't have one myself, but I think it would work very well as a source for the Phonogene
_____
http://musicthing.co.uk/modular/

The Music Thing Module Generator®

Joined: 23 Jan 2011
Last Visit: 22 Jan 2015

Posts: 1322
Location: London, England

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wonkychris
Learning to Wiggle

Posted: Fri Dec 26, 2014 11:23 am   Post subject:

[quote="Tombola"]

Joined: 25 Jun 2014

Last Visit: 06 Jan 2015
Posts: 19
Location: hebden

Phew! Thats exactly what I had in mind for it...
_____
http://soundcloud.com/wonkychris

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PaulStoffregen
Learning to Wiggle

Posted: Mon Dec 29, 2014 1:46 pm   Post subject:

Here's an example of another project, showing some of the stuff you can do with the codec board.

http://tomashg.com/?p=1228

Joined: 29 Aug 2014
Last Visit: 29 Dec 2014
Posts: 12

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myecholalia
Common Wiggler

Posted: Thu Jan 01, 2015 11:27 pm   Post subject:

Awesome module! Unfortunately, I'm completely useless when it comes to DIY.
Will the Radio Music be available as a ready-made module? Or would someone volunteer building one for me (obviously paying for it)?
_____
http://soundcloud.com/brahminykite
WTB: FOH Choices

Joined: 21 Jan 2013
Last Visit: 22 Jan 2015

Posts: 169
Location: Singapore

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