

## Setting up tonespace with a DAW / host

General – read first !.....	1
I don't have a host – what do I do? .....	1
Ableton Live 5.2 .....	2
SAVIHost 1.28 .....	3
Cubase SX3 (Cubase LE similar) .....	5
Fruity Loops Studio 6 .....	6

### ***General – read first !***

- tonespace is currently Windows-only (tested on XP SP2)
- tonespace requires the .NET 2.0 runtime

#### **Important!**

If you get an error along the line that a module cannot be found or loaded, this very likely means you do not have the .NET 2.0 runtime installed.

You can get the .NET runtime in two ways :

1. via windows update (start / help and support / windows update )
2. via a download [here](#)

#### **Also Important:**

Tonespace is a VSTi that produces MIDI-**out**. Not all hosts support this.

Hosts that do support it are Ableton Live 5, Cubase LE, Cubase SE3/SX3, Sonar 5.2 (I believe), EnergyXT, SAVIHost 1.28, Fruity Loops 6.

### ***I don't have a host – what do I do?***

Please see the section on **SAVIHost** for a standalone VST host (donationware).

## Ableton Live 5.2

Steps :

1. copy tonespace.dll into your vst folder
2. open Ableton Live with a blank set
3. delete the default tracks **Audio** and **MIDI**
4. add a midi track and rename to **tonespace**
5. Set **Monitor** to **In** (if you want to play with an external keyboard; set to **Auto** when playing MIDI clips)



6. drag the tonespace VST onto the midi track (the tonespace window will open)
7. close the tonespace window
8. add a second midi track and rename to **synth**
9. drag a synth of your choice onto the track (I recommend the free [4Front piano from yohng.com](http://yohng.com))
10. Set the combo **MIDI From** to **1-tonespace**
11. Change the combo immediately below from **track out** to **tonespace**
12. Set **Monitor** to **In**



13. Open the tonespace window again and click in the grid.

14. If you hear sound you are all set!

Optional further steps:

1. drag a MIDI file from your filesystem onto the first track
2. set monitor to **Auto** on the first track
3. hit the transport run button : the MIDI will be sent to tonespace
4. you should see grid cells lighting up as MIDI notes arrive
5. tonespace will by default send the MIDI in to tonespace MIDI out, so you should hear it via your synth

## **SAVIHost 1.28**

SAVIHost is a great little host written by Hermann Seib, capable of hosting a single VSTi. I recommend the smaller one, without the keyboard, as tonespace already is a keyboard itself. Tip: this is also a great host for quick debugging of your VSTis.

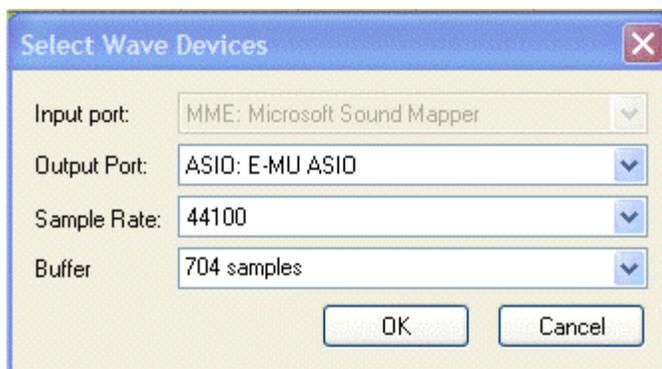
Steps :

1. Download **SAVIHost** from [here](#), select the smaller version without keyboard

2. unzip and copy **savihost.exe** into the same folder as where you put tonespace.dll
3. rename savihost.exe to **tonespace.exe**
4. run tonespace.exe
5. select menu option **Devices/MIDI...**
6. For **Input Port**, select the device name of your external MIDI keyboard (or of any other source of MIDI)
7. For **Output Port**, select the device name of any synth that you have that accepts MIDI. If you don't have one, you can set it to the built-in synth of XP : **Microsoft GS Wavetable SW Synth**



8. select menu option **Devices/Wave...**
9. For **Input port** select **MME: Microsoft Sound Mapper**
10. For **Output Port**, select your ASIO sound interface (here E-MU ASIO is shown). If you do not have an ASIO interface, try the other options until one works
11. For Sample Rate, leave it to 44100
12. In case you have selected an ASIO interface, set **Buffer** to **704 samples**. (attention : the default value for buffer can be way to big if you set it to ASIO, slowing down things quite a bit)



13. Click in the tonespace grid. If you hear a sound, you are ready to go!

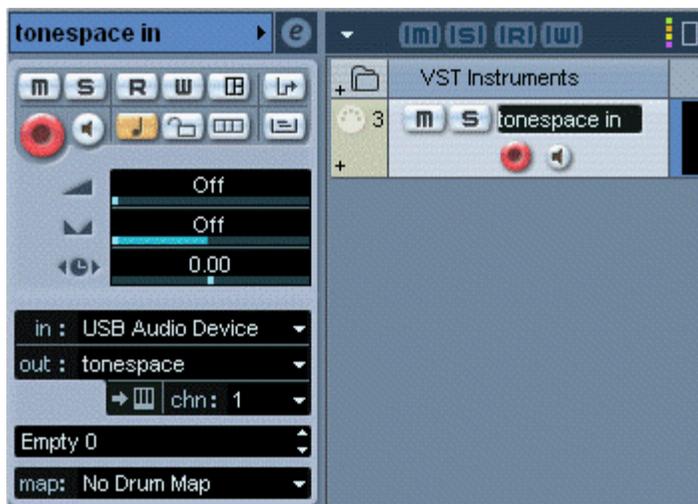
## ***Cubase SX3 (Cubase LE similar)***

Steps :

1. copy tonespace.dll into your vst folder
2. open Cubase SX3
3. create a new project
4. select empty as the project type
5. select menu option Devices/VST Instruments (F11). A list of VSTi slots appears
6. click on the first slot and select tonespace.
7. the tonespace window opens. Close it.
8. click on the second slot and select your favorite synth (I recommend the free [4Front piano](http://yohng.com) from [yohng.com](http://yohng.com))



9. close the instrument rack
- 10.add a new MIDI track and rename it to **tonespace in**
- 11.set **in:** to your external MIDI keyboard (here called USB Audio Device)
- 12.set **out:** to **tonespace**



- 13.add a second MIDI track and rename it to **tonespace out**
- 14.set **in:** to **tonespace**
- 15.set **out:** to your synth VSTi (here 4Front Piano)

16. make sure **Monitor** (speaker icon) is set to orange



17. click on the first MIDI track

18. click on the VSTi editor symbol



19. the tonespace window should appear

20. click on the tonespace grid. You should hear sound now.

Optional further steps:

6. drag a MIDI file from your filesystem onto the first track
7. hit the transport run button : the MIDI will be sent to tonespace
8. you should see grid cells lighting up as MIDI notes arrive
9. tonespace will by default send the MIDI in to tonespace MIDI out, so you should hear it via your synth

## ***Fruity Loops Studio 6***

**(Please note : this requires tonespace V1.0.144 or higher)**

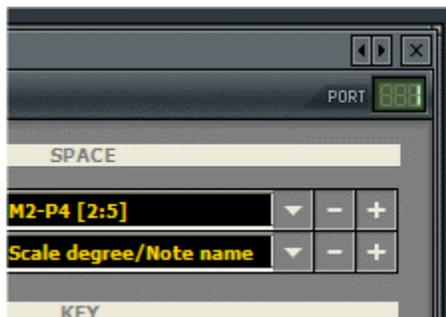
Steps :

1. copy tonespace.dll into your vst folder
2. open Fruity Loops
3. select menu **Channels/Add One/More...**
4. check the checkbox before **tonespace** (you might have to hit the scan button first)
5. close the window  
select again menu **Channels/Add One** and choose **tonespace**

6. the tonespace window should now be open
7. click the button in the top left corner of the tonespace window and select Show **MIDI output port**



8. click and drag on the (output) **PORT** indicator in the top right corner of the same window and set it to **1**



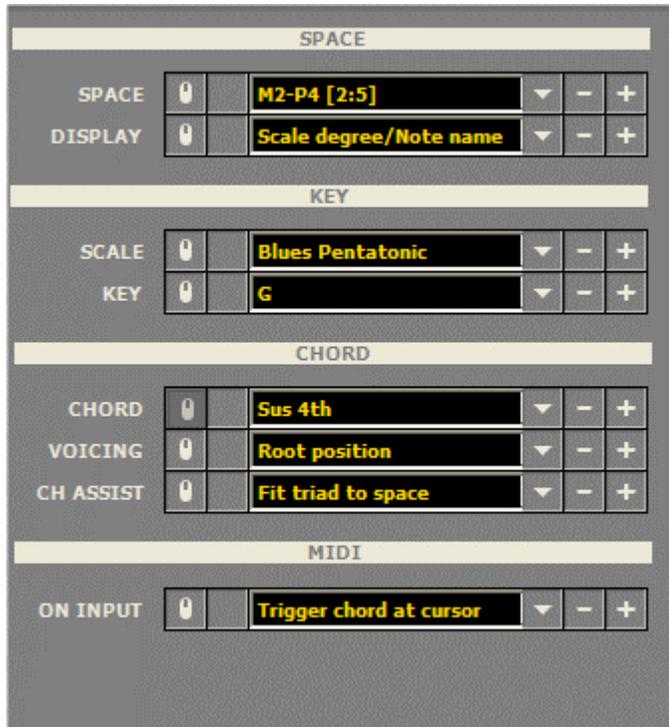
9. select again menu Channels/Add One and choose your favorite synth (I recommend the free [4Front piano from yohng.com](http://4Front piano from yohng.com))
10. click and drag on the (input) **PORT** indicator in the top right corner of the synth window and set it to **1**
11. click a cell in the tonespace window : you should now hear sound!

Optional further steps:

10. add a few steps to the tonespace channel sequencer



11. set **Space** to **M2-P4 (2:5)**
12. set **Display** to **Scale Degree/Note name**
13. set **Scale** to Blues Pentatonic
14. set **Key** to G
15. set **CH ASSIST** to **Fit triad to space**
16. set **ON INPUT** to **Trigger chord at cursor**



17. hit the transport run button in Fruity Loops
18. hover your mouse over the tonespace grid : the cells where you point will be triggered by the sequencer pattern
19. for each triggered cell, a chord will be generated and sent to your synth

[back](#) to tonespace home

© 2006 Leo Olivers, all rights reserved