

First testing actions for AuroraSynSampler

by Pekka Upo 14.03.2027 (draft)

0. AuroraSynSampler in general

- needs midi events sending keyboard into MidiA port from spesific source (USB-In directly or e.g. via Roland UM-ONE mkII adapter).

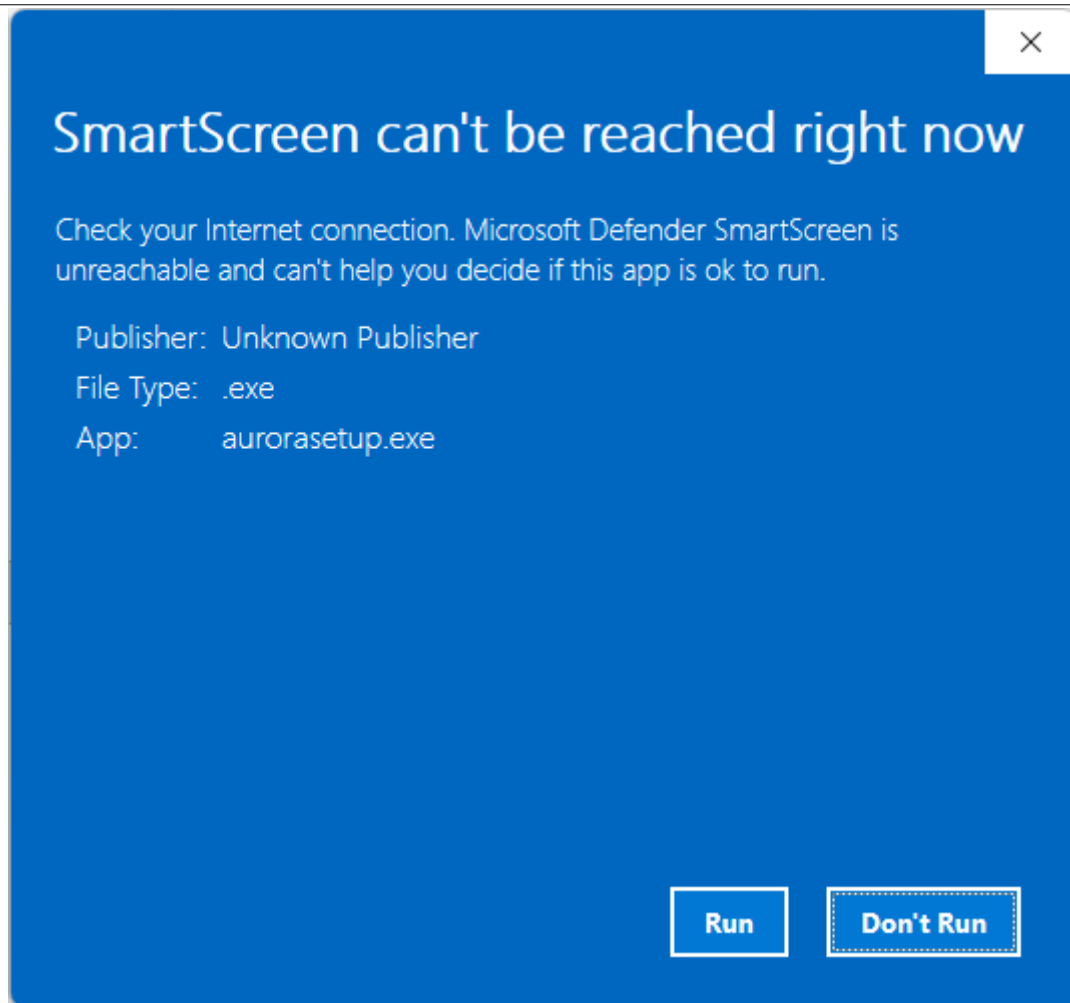
-needs PC Windows 11 computer powerfull enough to run AuroraSynSampler. "Powerfull" here means especially number of multitasking cores. If you have 16/20/32 cores the working of Aurora is assured. With 8 cores there can occure situation where Auroras complex arbitration cannot handle the pressure of too many threads in big polyphonic settings. Below 4 cores I don't see how the Aurora could manage any more.

0.1 Audio can be monitored by eier stereo headphones, stero speakers, or 6 channel multiplexed audio output speakers (e.g. RealTek).

0.2 Audio recording mode allows at most 7 minutes to store at one time into disk. NOTE that output format is IEEE(3), so each of the six channel samples are 4 bytes as single procision floating point. 7 minutes then means: $44100 \text{ kHz} * 6 * \text{sizeof}(\text{float}) * 60 * 7 = 444.53 \text{ Mbytes}$. In floating point format you get the best possible audio quality, far much beyond e.g. fixed 24 bits per sample. NOTE that 7 minutes is an arbitrary number. That can be changed in the far future.

1. Installation AuroraSynSamples.zip only from <https://www.polycsg.net/aurorasynsampler/> to the PC you wish to use it. IMPORTANT: Virussan Aurora just in case to make sure there are no viruses or troyans. Unpack .zip and start installation .exe.

Since this program is not payed to validated Microsoft Store, it will remaind in blue window "*Microsoft Defender SmartScreen prevented an unrecognized app from starting, Running this app might put you PC at risk. More Info*". Press [More_Info] -> "*Microsoft Defender SmartScreen prevented and unrecognizer app from starting. Running this app might put your PC at risk*". Press [Run anyway]. Running WON'T require lifting user rights to administrator rights or nothing similar. It is just a user level program.



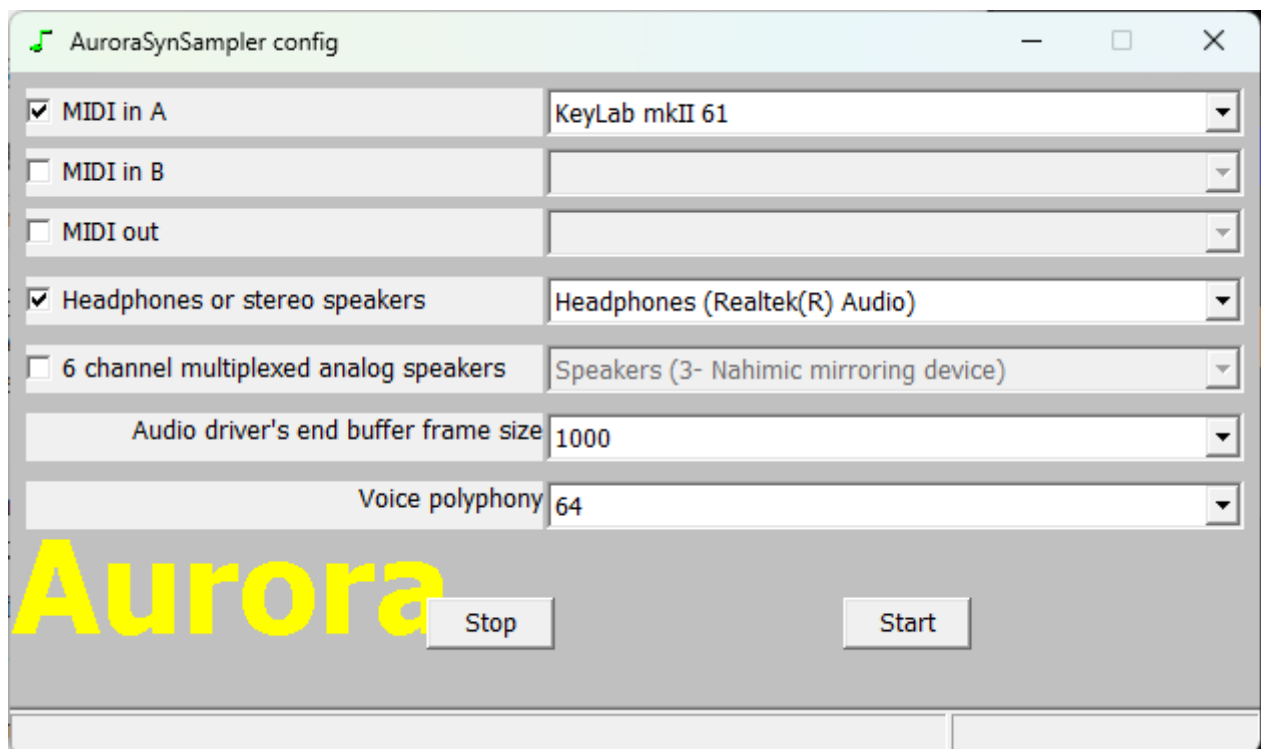
In case you want to uninstall Aurora, open “Settings” menu from Windows button with right click. From the left items choose “Apps”. From the opened right window expand item “Installed apps”. Then you should see line “AuroraSynSamplerDemo version 1.0”. From the three dots “...” select “Uninstall” and press Yes to the question “Are you sure you want to completely remove AuroraSynSamplesDemo and all its components?”.

1.1 Installation (for now) is only possible to target into fixed path "[C:\Aurora](#)".

1.2 When you start Aurora at first time it complains that it is not registered. Copy/paste the challenge number sequence and goto <https://www.polycsg.net/aurorasynsampler/registration/> and paste that number sequence into bigger box. Into smaller box you fill in your email address you want to receive the activation code. When received activation code sequence copy/paste it and fill in into Aurora’s registration window started from link in LogWindow. Now you should have Aurora registered until expiration date. Demo has short expiration, till 1.6.2026.

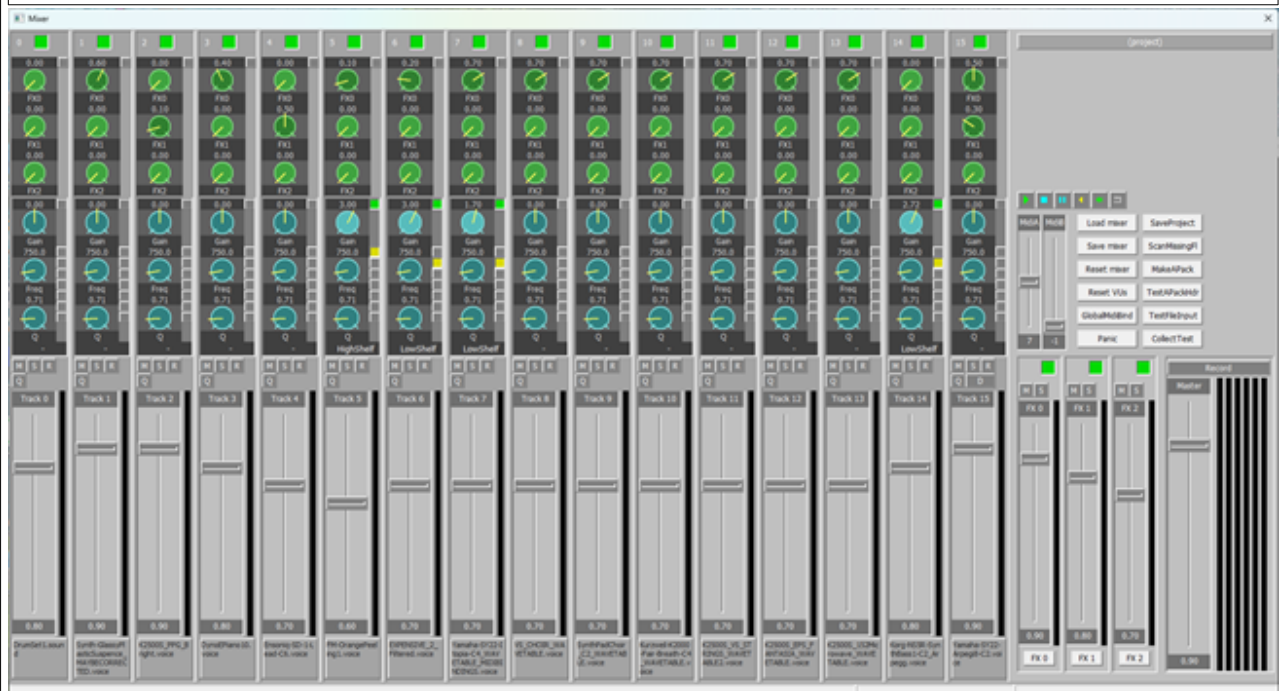
First encounter at AuroraSynSampler

First run with AuroraSynSamples.exe. NOTE: Before you start experimenting with Aurora, please do the following tests to insure correct working:



- In configuration window enable and choose MidiInA to match your MIDI sending keyboard.
- select "Headphones or stereo speakers" and choose your headphones.
- Set "Audio driver's end buffer frame size" to 1000 (later optimal efficient value would be 800).
- Set "Voice polyphony" to 40.
- Press [Start] and soon Mixer window should be opened.

First encounter at AuroraSynSampler



- Press [Load Mixer] and all mixer channels should have predefined voice/sound assigned into it. You also note that MidiA overriding trackbar is set to channel 7. That means that whatever MIDI channel you keyboard sends it will be changed as channel 7. Of course you could pull MidiA overriding trackbar to -1 and set keyboard to send in appropriate channel.

Now you should hear different audio in different midi channels.

Below is seen some of the most important control areas of Aurora mixer shortly:



1. AudioPanel button; includes voice/sound browsing and selecting, voice/sound editing

2. Mixer track voice/sound volume

First encounter at AuroraSynSampler

3. Effect channel faders and below them are buttons to summon each effect channel settings.
4. Master track 6-channel volume fader and master VU-meters.
5. Control buttons of mixer tracks (M = Mute, S = Solo, R = enable MIDI Recording and Q = seQuencer window opening for that channel).

In the future user manual there are actual descriptions of different subwindow contents and functionalities.