

# Open Source FM Software Synthesizers

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## Dexed

**Formats:** VST  
**Custom GUI?:** Yes (JUICE)  
**License:** GPL3

Homepage:  
<http://asb2m10.github.io/dexed/>

Repo:  
<https://github.com/asb2m10/dexed>

AUR package:  
<https://aur.archlinux.org/packages/dexed/>

AUR VCS package:  
<https://aur.archlinux.org/packages/dexed-git/>

Sound demos:

- <http://linuxsynths.com/DexedPatchesDemos/dexed.html>
- <https://sites.google.com/site/kvrosc/osc-74-dexed>

Patches:

- <https://www.kvraudio.com/product/dexed-by-digital-suburban/downloads>
- <https://musical-artifacts.com/artifacts?apps=dexed>

Notes:

- An older version is available in LV2 format, but doesn't have the nice new GUI

## DX10 (MDA)

**Formats:** LV2, (VST)  
**Custom GUI?:** No  
**License:** GPL2 (LV2 version), MIT or GPL2+ (VST version)

Homepage:  
<http://mda.smartelectronix.com/> (<https://sourceforge.net/projects/mda-vst/>)

LV2 port:  
<https://git.drobilla.net/cgit.cgi/mda.lv2.git/about/>

Repo:  
LV2: <https://git.drobilla.net/cgit.cgi/mda.lv2.git>  
VST: <https://svn.code.sf.net/p/mda-vst/code/>

Arch package:  
[https://www.archlinux.org/packages/community/x86\\_64/mda.lv2/](https://www.archlinux.org/packages/community/x86_64/mda.lv2/)

AUR VCS package:  
<https://aur.archlinux.org/packages/mda-lv2-git/>

Sound demos:

- <http://linuxsynths.com/DX-10PatchesDemos/DX-10.html>

Patches:

- <http://linuxsynths.com/DX-10PatchesDemos/DX-10.html>

Notes:

- Linux VST version currently available only from source (?)
- Closed-source VST version with custom GUI previously available commercially via tracktion.com

## Hexter

**Formats:** DSSI  
**Custom GUI?:** Yes (GTK3)  
**License:** GPL2

Homepage:  
<http://smbolton.com/hexter.html>

Repo:  
<https://github.com/smbolton/hexter>

AUR package:  
<https://aur.archlinux.org/packages/hexter/>

Sound demos:

- <http://linuxsynths.com/HexterPatchesDemos/hexter.html>

Patches:

- <https://musical-artifacts.com/artifacts?apps=hexter>

## Oxe FM Synth

**Formats:** VST  
**Custom GUI?:** Yes (OpenGL)  
**License:** GPL3

Homepage:  
<https://oxesoft.wordpress.com/>

Repo:  
<https://github.com/oxesoft/oxefmsynth>

AUR package:  
<https://aur.archlinux.org/packages/oxefmsynth/>

AUR VCS package:  
<https://aur.archlinux.org/packages/oxefmsynth-git/>

Sound demos:

- <http://linuxsynths.com/OxePatchesDemos/oxefmsynth.html>
- <https://sites.google.com/site/kvrosc/osc-81-oxe-fm>

Patches:

- <http://linuxsynths.com/OxePatchesDemos/oxefmsynth.html>
- <https://www.kvraudio.com/product/oxe-fm-synth-by-oxe-software/downloads>

## Honourable mentions

- [6PM](#) - Phase modulation (PM) synthesizer
- [Mx44](#) - Cross-modulating synthesizer
- [JuiceOPL](#) - Synthesizer based on the Yamaha YM3812 (OPL2) sound chip. LV2 port available [here](#)
- [OpulenZ](#) - An emulation of the Yamaha YM3812 (OPL2) FM synth chip included in [LMMS](#)

- [VOPM](#) - An emulation of Yamaha's YM2151 OPM sound chip ([OSC 63 Sound demos](#)) (Linux version off-line?)
- [DXconvert](#) - Yamaha FM synth patch converter

## Resources

- [LinuxSynths](#)