

MIDI Software

• Sequencers

- [Anthem](#) advanced MIDI sequencer from Pete Goodliffe [2002]
- [BINARS](#) "an open-source sequencer for Linux, ALSA, and GNOME", from Michael Ashton [2001]
- [CuSE](#) the *Cursed Sequencer*, a console-based MIDI sequencer from Thomas Haenselmann [2007]
- [Dino](#) neat MIDI sequencer using the latest **JACK** (development version with MIDI capability), from Lars Luthman [2007]
- [JAZZ++](#) first integrated audio/MIDI sequencer for Linux [current]
- [Melys](#) MIDI sequencer for **ALSA** [2000]
- [Muse](#) excellent **Qt**-based audio/MIDI sequencer from Werner Schweer and friends [2007]
- [Non Sequencer](#) new sequencer from Jonathan Moore Liles, requires **JackMIDI** capability [current]
- [Rosegarden](#) audio/MIDI sequencer, notation editor, **Csound**-score producer, and more... [current]
- [SoftWerk](#) a MIDI sequencer from Paul Davis, based on the design of the [Doepfer Schaltwerk](#) [2000]
- [TekTracker](#) MIDI sequencer with tracker-style interface [2004]
- [TISM](#) is the "Temporal Information Sequencing Machine", Samuel Dufour-Kowalski's realtime MIDI sequencer [2004]
- [Tutka](#) a MIDI tracker/sequencer from Vesa Halttunen [2006]
- [b-tektracker](#) MIDI step-sequencer based on **TekTracker** [2006]
- [cantor](#) MIDI sequencer/editor project [1999]
- [midish](#) command-line MIDI sequencer/filter for *BSD and Linux [2007]
- [seq24](#) realtime MIDI sequencer with a simple interface for editing and playing MIDI loops [2006]

• Players

- [Musica](#) MIDI player with **GTK** interface
- **TiMidity**
 - [TiMidity++](#) greatly extended and enhanced version of **TiMidity** from Masanao Izumo and many others
 - [TiMidity++ \(experimental version\)](#) excellent **TiMidity** resource page
- [Widi](#) MIDI player for external MIDI devices only, from Isaku Yamahata
- [WildMidi](#) MIDI player utilizing GUS-format patches
- [Xpmidi](#) nice GUI for **pmidi** from Bob van der Poel, requires **Python 2.2** and **Tkinter**
- [midiplay/midirec](#) excellent **Python**-based MIDI tools from Aaron Krister Johnson
- **playmidi**
 - [eplaymidi](#) an enhanced version of **playmidi** from Satoshi Kuramochi
 - [playmidi](#) the original, a command-line MIDIfile player with optional **X**, **Gtk**, or ncurses interface
- [pmidi](#) a MIDIfile player for **ALSA**
- [srgplay](#) MIDI file player supporting a variety of formats, from K. Sakai

• Utilities

- [Alpha Juno](#) editor/librarian for Roland Alpha Juno 1/2 and MKS50

- synthesizers, from Chris Wareham
- [ALSA MIDI Kommander](#) "a DCOP interface exposing many ALSA sequencer features for shell scripts, Kommander scripts, or KDE programs requiring MIDI sequencer services", from Pedro Lopez-Cabanillas
 - [ALSA Patch Bay](#) "a graphical patch bay for the **ALSA** sequencer API" (requires **FLTK** or **GTKmm**), from Bob Ham
 - [AutoTrack](#) is a "...tool for creating practicing and demo tracks from chord charts", creating MIDI files with bass and drum tracks
 - [Div's MIDI Utilities for Unix](#) excellent collection of command-line MIDI tools
 - [FANR](#) free audio note recognition (WAV to MIDI) software from Gilles Degottex
 - [GMIDImon](#) a nice **GTK**-based MIDI monitor from Nedko Arnaudov
 - [JSynthLib](#) universal synth editor/librarian project, requires **Java**
 - [KCompact/K25Strip](#) Linux utilities for the **Kurzweil** K2x00 samplers
 - [KMidimon](#) MIDI data monitor from Pedro Lopez-Cabanillas
 - [Kontroll](#) MIDI utility to generate controller messages from the mouse position, more software from Florian Schmidt
 - [MC303 Bulk Dump](#) a new utility from Olivier Delhay
 - [Midge](#) is a text-to-MIDI program from David Riley
 - [MIDI Controller](#) GUI to connect sliders and spinbuttons to MIDI continuous controllers (CCs), from Lars Luthman
 - [MIDI Data Miner](#) "... uses a neural network to learn correlations between notes and control changes in a MIDI file", neat software from Ollie Glass [2006]
 - [MIDI Splitter](#) neat **Perl** script to split MIDI files into separate tracks/channels
 - [MidiChat](#) send/receive MIDI in realtime over the Internet
 - [MidiComp](#) reads and writes Type 0/1 MIDI files in SMF and plain text format
 - [MidiKinesis](#) "MIDI controllers for (almost) any purpose", a cool tool from Peter Brinkmann
 - [MidiMutator](#) performs various cross-mutations on a pair of MIDI files
 - [Midingsolo](#) Gille Degottex's realtime audio-to-pitch recognition software for monophonic signals, with MIDI output
 - [MidiShare](#) is a "... real-time operating system for musical applications" from the great crew at [GRAME](#)
 - [Miditoys](#) turns a **Playstation2** into a MIDI control surface
 - [Nomad](#) patch editor/librarian for the **Nord Modular** synthesizer
 - [OpLEdit](#) interactive editor for Yamaha OPL2/3 soundchips, from John Meacham
 - [QMidi*](#) arpeggiator, controller box, event filter/router, all that and more from Matthias Nagorni
 - [Random Phase Generator](#) Reichian fun from Tak-Shing Chan [2001]
 - [Ratón](#) "... translates mouse movements into MIDI controller messages", thanks to programmer Doug Garmon
 - [RawMIDI2SMF](#) Ken Ellinwood's command-line utility for converting ALSA's **amidi** to a standard MIDI file (requires **Java**)
 - [Shelljam](#) play softsynths and other MIDI instruments from the command shell
 - [Simple Sysexer](#) new MIDI sys-ex utility from Christoph Eckert
 - [SMDITools](#) a set of command-line utilities for exchanging samples with an

SMDI-compatible sampler, from Olivier Doaré

- [SynthEd](#) new project for creating a universal patch editor/librarian for MIDI synthesizers
- [SysExxer](#) utility for receiving, saving, and sending raw sys-ex messages, from Christian Nitschkowski
- [UMP](#) UNIX MIDI plug-in for Netscape
- [WaoN](#) is a WAV-to-MID converter from Kengo Ichiki
- [X MIDI software](#) a suite of programs utilizing the Direct MIDI interface of the **4Front** commercial OSS driver
- [ace](#) command-line MIDI splitter/processor, performance software from Atte André Jensen
- [aconnectgui](#) Maarten de Boer's **FLTK**-based GUI for ALSA's *aconnect* utility
- [amidmap](#) reads, processes, and transmits MIDI events
- [aseqjoy](#) Alexander König's cool joystick-to-MIDI converter
- [bcx2000edit](#) editor for the **Behringer BCR2000/BCF2000** MIDI control surfaces, from Pieter Palmers
- [clavier](#) from Simon Kågedal, a software MIDI keyboard for controlling external synths (requires **GTK**)
- [dx7bag](#) "a collection of utilities for the Yamaha DX7 and... the DX1, DX5, DX7s, DX7II, DX7IIFD, TX7, TX802 and TX816"
- [gdiggi](#) nice GUI to edit patches for the **Digitech RP250** guitar effects processor pedal
- [glib](#) generic editor/librarian for synthesizer patches
- [icube](#) an editor/controller for the [ICubeX](#) sensor/digitizer, from Paul Davis
- [kbdz](#) transforms USB PC keyboards/mice into MIDI controllers
- [mcontrol](#) is an **ALSA** sequencer client that can assign up to twelve MIDI control messages for the controllers on your MIDI keyboard
- [midi2gmn](#) "...converts gmn (GUIDO Music Notation) files into MIDI files..."
- [mididings](#) MIDI router/processor from Dominic Sacré [current]
- [midikb](#) uses QWERTY keyboard for testing **Csound** instruments or for output to /dev/midi
- [midillo](#) "... a library and set of tools for MIDI files manipulation" [2006]
- [midirgui](#) simple MIDI router/channelizer with **FLTK** GUI, more fine software from Josep Andreu a.k.a. Holborn
- [multimidicast](#) MIDI over a network, cool software from Dirk Jagdmann
- [naconnect](#) an ncurses-based ALSA MIDI sequencer connection manager
- [sc88sysex](#) command-line utility to send/receive data to & from the **Roland SC88** sound module (*direct link*)
- [sxpess](#) Sampo Savolainen's software "... for controlling MMC compatible software & hardware with USB DAW controllers"
- [wave2mid](#) audio to MIDI conversion from Pablo Busto
- [xphat](#) user-configurable software MIDI fader box from Paul Davis

• Environments

- [Bol Processor](#) sources are now open, good news from Bernard Bel and Anthony Kozar
- [CMT](#) Carnegie-Mellon MIDI Toolkit (includes the **adagio** language)
- [Elody](#) "...a music composition environment based on a visual functional language, a direct manipulation user interface and Internet facilities", requires **Java** and [MidiShare](#)
- [Grammidity](#) "...uses a kind of genetic algorithm based on user feedback

to generate 'music'...in the form of a MIDI file", requires **Java**

- [Improv](#) "...a C++ environment for writing programs that enable musician/computer interaction using MIDI instruments", from Craig Stuart Sapp
- **KeyKit**
 - [KeyKit](#) excellent experimental MIDI composition environment
 - [GeoMaestro](#) very cool extension to **KeyKit**
- [KyCE II](#) is the **Kymatica Compositional Environment II**, cool graphic MIDI composition utility with realtime output, from Jonatan Liljedahl
- [STed2](#) MIDI music composition environment from Daisuke Nagano
- [UltiMusE-LX](#) music composition via standard notation and MIDI
- [gmc](#) Guenther Sohler's GNU MIDI compiler translates text to a MIDI file
- [xgmc](#) more than just a front-end for **gmc**, it's a "...simple hierarchical MIDI sequencer player and editor..." that can create MIDI files from MP3s

- **MIDI Programming Resources**

- [IEEE P1639](#) Phil Kerr's "... Ethernet based protocol wrapper allowing the transmission and reception of MIDI data within a LAN environment" (this project was formerly known as **DMIDI**)
- [Input Maps](#) "... provides user-customizeable mappings for controlling realtime objects with event streams"
- [MIDI Modules](#) for the [Python](#) programming language
- [MIDI Wire Packetization Protocol](#) brought to you by **SAOL** guru John Lazzaro
- [MIDI-Perl](#) "...a suite of **Perl** modules that allows you to read, compose, modify, and write MIDI files"
- [MidiIO](#) more excellent C++ MIDI code from Craig Stuart Sapp
- [MidiShare](#) is "a real-time operating system for musical applications"
- [Midithing](#) MIDI library in **Python** for an eventual sequencer from Tim Goetze
- [MMidi](#) describes tools for MIDI over the **MBONE** multicast network
- [Q-Midi](#) a **MidiShare** interface for the **Q** programming language
- [TSE3 Library](#) open-source MIDI sequencer engine in C++
- [UNIX MIDI libraries](#) useful code from John Stone
- [jMusic](#) is a **Java** class of functions for generating and manipulating MIDI musical data
- [pyalsa](#) MIDI wrappers for Python, from Phil Frost