

NAME

amidi - read from and write to ALSA RawMIDI ports

SYNOPSIS

amidi [-p *port*] [-s *file* | -S *data*] [-r *file*] [-d] [-t *seconds*] [-a]

DESCRIPTION

amidi is a command-line utility which allows one to receive and send SysEx (system exclusive) data from/to external MIDI devices. It can also send any other MIDI commands.

amidi handles only files containing raw MIDI commands, without timing information. **amidi** does not support Standard MIDI (.mid) files, but [aplaymidi\(1\)](#) and [arecordmidi\(1\)](#) do.

OPTIONS

Use the *-h*, *-V*, *-l*, or *-L* options to display information; or use at least one of the *-s*, *-r*, *-S*, or *-d* options to specify what data to send or receive.

-h, *--help*

Help: prints a list of options.

-V, *--version*

Prints the current version.

-l, *--list-devices*

Prints a list of all hardware MIDI ports.

-L, *--list-rawmidis*

Prints all RawMIDI definitions. (used when debugging configuration files)

-p, *--port=name*

Sets the name of the ALSA RawMIDI port to use. If this is not specified, **amidi** uses the default port defined in the configuration file (the default for this is port 0 on card 0, which may not exist).

-s, *--send=filename*

Sends the contents of the specified file to the MIDI port. The file must contain raw MIDI commands (e.g. a .syx file); for Standard MIDI (.mid) files, use [aplaymidi\(1\)](#)

-r, *--receive=filename*

Writes data received from the MIDI port into the specified file. The file will contain raw MIDI commands (such as in a .syx file); to record a Standard MIDI (.mid) file, use [arecordmidi\(1\)](#)

amidi will filter out any Active Sensing bytes (FEh), unless the *-a* option has been given.

-S, *--send-hex="..."*

Sends the bytes specified as hexadecimal numbers to the MIDI port.

-d, *--dump*

Prints data received from the MIDI port as hexadecimal bytes. Active Sensing bytes (FEh) will not be shown, unless the *-a* option has been given.

This option is useful for debugging.

-t, *--timeout=seconds*

Stops receiving data when no data has been received for the specified amount of time.

If this option has not been given, you must press Ctrl+C (or kill **amidi**) to stop receiving data.

-a, --active-sensing

Does not ignore Active Sensing bytes (FEh) when saving or printing received MIDI commands.

EXAMPLES

amidi -p hw:0 -s my_settings.syx

will send the MIDI commands in *my_settings.syx* to port *hw:0*.

amidi -S 'F0 43 10 4C 00 00 7E 00 F7'

sends an XG Reset to the default port.

amidi -p hw:1,2 -S F0411042110C00000000074F7 -r dump.syx -t 1

sends a “Parameter Dump Request” to a GS device, saves the received parameter data to the file *dump.syx*, and stops after the device has finished sending data (when no data has been received for one second).

amidi -p virtual -d

creates a virtual RawMIDI port and prints all data sent to this port.

FILES

/usr/share/alsa/alsa.conf default rawmidi definitions

/etc/asound.conf system-wide rawmidi definitions

~/.asoundrc user specific rawmidi definitions

SEE ALSO

[aplaymidi\(1\)](#)

[arecordmidi\(1\)](#)

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