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 and Clock bytes (FEh, F8h), unless the *−a* or *−c* options have 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 and Clock bytes (FEh, F8h) will not be shown, unless the *−a* or *−c* options have 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.

−c, −−clock
Does not ignore Clock bytes (F8h) when saving or printing received MIDI commands.

−i, −−sysex-interval=mseconds
Adds a delay in between each SysEx message sent to a device. It is useful when sending firmware updates via SysEx messages to a remote device.

EXAMPLES

amidi −p hw:0 −s my_settings.syx
will send the MIDI commands in *my_settings.syx* to port *hw:0.*

amidi −p hw:1,0,0 -s firmware.syx −i 100
will send the MIDI commands in *firmware.syx* to port *hw:1,0,0* with 100 milliseconds delay in between each SysEx message.

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 F0411042110C000000000074F7 −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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