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)

AUTHOR

>   Clemens Ladisch <clemens@ladisch.de>