NAME

aconnect - ALSA sequencer connection manager

SYNOPSIS

aconnect [-d] [-options] sender receiver
aconnect -i|-o [-options]
aconnect -x

DESCRIPTION

aconnect is a utility to connect and disconnect two existing ports on ALSA sequencer system. The ports with the arbitrary subscription permission, such as created by **aseqview(1),** can be connected to any (MIDI) device ports using **aconnect.** For example, to connect from port 64:0 to 65:0, run as follows:

        % aconnect 64:0 65:0

The connection is one-way, and the whole data to the sender port (64:0) is redirected to the receiver port (65:0). When another port (e.g. 65:1) is attached to the same sender port, the data is sent to both receiver ports. For disconnection, use **-d** option.

```
% aconnect -d 64:0 65:0
```

The address can be given using the client's name.

```
% aconnect External:0 Emu8000:1
```

Then the port 0 of the client matching with the string External is connected to the port 1 of the client matching with the Emu8000.

Another function of **aconnect** is to list the present ports on the given condition. The input ports, which may become *sender* ports, can be listed with **-i** option.

```
% aconnect -i
client 0: 'System' [type=kernel]
0 'Timer '
1 'Announce '
client 64: 'External MIDI-0' [type=kernel]
0 'MIDI 0-0 '
```

Similarly, to see the output ports, use **-o** flag.

You can remove all existing exported connections using **-x** option. This function is useful for terminating the ALSA drivers, because the modules with sequencer connections cannot be unloaded unless their connections are removed.

OPTIONS

CONNECTION MANAGEMENT

-d, --disconnect

Disconnect the given subscription.

-e, --exclusive

Connect ports with exclusive mode. Both sender and receiver ports can be no longer connected by any other ports.

-r, --real queue

Convert time-stamps of event packets to the current value of the given *real-time* queue. This is option is, however, not so useful, since the receiver port must use (not necessarily own) the specified queue.

-t, --tick queue

Like **-r** option, but time-stamps are converted to the current value of the given *tick* queue.

LIST PORTS

-i, --input

> List existing input (readable) ports. This option is exclusive to **-o.**

-o, --output

> List existing output (writable) ports. This option is exclusive to **-i.**

-l, --list

> List the current connection status. The connected and connecting ports from/to each port are listed together. The suffix flag [**ex**] means the connection is exclusive. The suffix flag [**real:#**] and [**tick:#**] mean the connection includes real-time and tick conversion on the listed queue, respectively.

REMOVE ALL CONNECTIONS

-x, --removeall

> Remove all exported connections.

SEE ALSO

aseqnet(1), aseqview(1)

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