## NAME

axfer − command−line sound recorder and player for sound devices and nodes supported by Linux sound subsystem (Advanced Linux Sound Architecture, also known as ALSA).

## SYNOPSYS

**axfer** *subcommand direction options*

subcommand = **transfer** | **list** | **version** | **help**

direction = **capture** | **playback**

options = ( depends on *subcommand* )

## DESCRIPTION

The **axfer** is a command−line recorder and player to transfer audio data frame between sound devices/nodes and files/stdin/stdout.

## OPTIONS

### Subcommand

**transfer**

Performs transmission of audio data frame. Its detail is described in **axfer−transfer(1)** manual.

**list**      Dumps lists of available sound devices and nodes. Its detail is described in **axfer−list(1)** manual.

**version**

Prints version of this application (as the same version as alsa−utils package).

**help**      Prints a short message about subcommands for users to enter this application.

### Direction

**capture**

Operates for capture transmission.

**playback**

Operates for playback transmission.

## EXIT STATUS

*EXIT_SUCCESS* (0) if run time successfully finished, else *EXIT_FAILURE* (1).

## UNIT TEST

This program has unit tests for internal implementation. Please refer to the manual of *axfer-transfer* for details.

## COMPATIBILITY TO APLAY

The *axfer* is designed to be compatible to aplay(1) as much as possible. In command line, executions of aplay/arecord files under $PATH runs axfer with compatibility mode if filesystem has symbolic link from the aplay/arecord to axfer.

```
$ ln −s aplay axfer
$ ln −s arecord axfer
```

**A string to which arg[0] points**
When args[0] in run time points to string ended with 'aplay', it has the same meaning of *playback* direction. When it points to string ended with 'arecord', it has the same meaning of *capture* direction.

**Options acknowledged as list subcommand**
Options of $-l$ , $--list-devices$ , $-L$ , $--list-pcms$ are acknowledged as *list* subcommand. Without them, the run time performs *transfer* subcommand.

## REPORTING BUGS
Report any bugs to mailing list of ALSA community <alsa−devel@alsa−project.org> where the development and maintenance is primarily done. Bug tracking service of alsa−utils repository on github.com is also available.

## SEE ALSO
**axfer−transfer(1), axfer−list(1), alsamixer(1), amixer(1)**

## AUTHOR
Takashi Sakamoto <o−takashi@sakamocchi.jp>