

**NAME**

irsend - basic LIRC program to send infra-red commands

**SYNOPSIS**

**irsend** [*options*] *DIRECTIVE REMOTE CODE* [*CODE...*]

**DESCRIPTION**

Asks the **lircd** daemon to send one or more CIR (Consumer Infra-Red) commands. This is intended for remote control of electronic devices such as TV boxes, HiFi sets, etc.

*DIRECTIVE* can be:

**SEND\_ONCE** - send *CODE* [*CODE ...*] once  
**SEND\_START** - start repeating *CODE*  
**SEND\_STOP** - stop repeating *CODE*  
**LIST** - list configured remote items  
**SET\_TRANSMITTERS** - set transmitters *NUM* [*NUM ...*]  
**SIMULATE** - simulate IR event

*REMOTE* is the name of a remote, as described in the **lircd** configuration file.

*CODE* is the name of a remote control key of *REMOTE*, as it appears in the **lircd** configuration file.

*NUM* is the transmitter number of the hardware device.

For the **LIST** *DIRECTIVE*, *REMOTE* and/or *CODE* can be empty:

**LIST** - list all configured remote names  
**LIST** *REMOTE* - list all codes of *REMOTE*  
**LIST** *REMOTE CODE* - list only *CODE* of *REMOTE*

The **SIMULATE** command only works if it has been explicitly enabled in **lircd**.

**-h --help**

display usage summary

**-v --version**

display version

**-d --device**

use given **lircd** socket [/var/run/lirc/lircd]

**-a --address=host[:port]**

connect to **lircd** at this address

**-# --count=n**

send command n times

**EXAMPLES**

```
irsend LIST DenonTuner
irsend SEND_ONCE DenonTuner PROG-SCAN
irsend SEND_ONCE OnkyoAmpli VOL-UP VOL-UP VOL-UP VOL-UP
irsend SEND_START OnkyoAmpli VOL-DOWN ; sleep 3
irsend SEND_STOP OnkyoAmpli VOL-DOWN
irsend SET_TRANSMITTERS 1
irsend SET_TRANSMITTERS 1 3 4
irsend SIMULATE 000000000000476 00 OK TECHNISAT_ST3004S
```

**FILES**

*/etc/lirc/lircd.conf*

Default **lircd** configuration file. It should contain all the remotes, their infra-red codes and the corresponding timing and waveform details.

## DIAGNOSTICS

If **lircd** is not running (or `/var/run/lirc/lircd` lacks write permissions) **irsend** aborts with the following diagnostics:

irsend: could not connect to socket

irsend: Connection refused (or Permission denied).

## SEE ALSO

The documentation for **lirc** is maintained as html pages. They are located under `html/` in the documentation directory.

**lircd**(8), **mode2**(1), **smode2**(1), **xmode2**(1), **irrecord**(1), **irw**(1), <http://www.lirc.org>