

NAME

ldattach – attach a line discipline to a serial line

SYNOPSIS

ldattach [**-1278denoVh**] [**-i iflag**] [**-s speed**] *ldisc device*

DESCRIPTION

The **ldattach** daemon opens the specified *device* file (which should refer to a serial device) and attaches the line discipline *ldisc* to it for processing of the sent and/or received data. It then goes into the background keeping the device open so that the line discipline stays loaded.

The line discipline *ldisc* may be specified either by name or by number.

In order to detach the line discipline, **kill**(1) the **ldattach** process.

With no arguments, **ldattach** prints usage information.

LINE DISCIPLINES

Depending on the kernel release, the following line disciplines are supported:

TTY(0)

The default line discipline, providing transparent operation (raw mode) as well as the habitual terminal line editing capabilities (cooked mode).

SLIP(1)

Serial Line IP (SLIP) protocol processor for transmitting TCP/IP packets over serial lines.

MOUSE(2)

Device driver for RS232 connected pointing devices (serial mice).

PPP(3) Point to Point Protocol (PPP) processor for transmitting network packets over serial lines.

STRIP(4)**AX25(5)**

X25(6) Line driver for transmitting X.25 packets over asynchronous serial lines.

6PACK(7)**R3964(9)**

Driver for Simatic R3964 module.

IRDA(11)

Linux IrDa (infrared data transmission) driver - see <http://irda.sourceforge.net/>

HDLC(13)

Synchronous HDLC driver.

SYNC_PPP(14)

Synchronous PPP driver.

HCI(15)

Bluetooth HCI UART driver.

GIGASET_M101(16)

Driver for Siemens Gigaset M101 serial DECT adapter.

PPS(18)

Driver for serial line Pulse Per Second (PPS) source.

GSM0710(21)

Driver for GSM 07.10 multiplexing protocol modem (CMUX).

OPTIONS

- 1, --onestopbit**
Set the number of stop bits of the serial line to one.
- 2, --twostopbits**
Set the number of stop bits of the serial line to two.
- 7, --sevenbits**
Set the character size of the serial line to 7 bits.
- 8, --eightbits**
Set the character size of the serial line to 8 bits.
- d, --debug**
Keep **ldattach** in the foreground so that it can be interrupted or debugged, and to print verbose messages about its progress to standard error output.
- e, --evenparity**
Set the parity of the serial line to even.
- i, --iflag [-]value...**
Set the specified bits in the `c_iflag` word of the serial line. The given *value* may be a number or a symbolic name. If *value* is prefixed by a minus sign, the specified bits are cleared instead. Several comma-separated values may be given in order to set and clear multiple bits.
- n, --noparity**
Set the parity of the serial line to none.
- o, --oddparity**
Set the parity of the serial line to odd.
- s, --speed value**
Set the speed (the baud rate) of the serial line to the specified *value*.
- c, --intro-command string**
Define an intro command that is sent through the serial line before the invocation of **ldattach**. E.g. in conjunction with line discipline `GSM0710`, the command `'AT+CMUX=0\r'` is commonly suitable to switch the modem into the `CMUX` mode.
- p, --pause value**
Sleep for *value* seconds before the invocation of **ldattach**. Default is one second.
- V, --version**
Display version information and exit.
- h, --help**
Display help text and exit.

SEE ALSO

inputattach(1), **ttys(4)**

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AVAILABILITY

The **ldattach** command is part of the `util-linux` package and is available from <https://www.kernel.org/pub/linux/utils/util-linux/>.