Red Hat Enterprise Linux Release 9.2 Manual Pages on 'wavelan.4' command

$ man wavelan.4

WAVELAN(4)   Linux Programmer's Manual   WAVELAN(4)

NAME

   wavelan - AT&T GIS WaveLAN ISA device driver

SYNOPSIS

   insmod wavelan_cs.o [io=B,B..] [irq=I,I..] [name=N,N..]

DESCRIPTION

   This driver is obsolete: it was removed from the kernel in version

   2.6.35.

   wavelan is the low-level device driver for the NCR / AT&T / Lucent

   WaveLAN ISA and Digital (DEC) RoamAbout DS wireless ethernet adapter.

   This driver is available as a module or might be compiled in the ker?

   nel.   This driver supports multiple cards in both forms (up to 4) and

   allocates the next available ethernet device (eth0..eth#) for each card

   found, unless a device name is explicitly specified (see below). This

   device name will be reported in the kernel log file with the MAC ad?

   dress, NWID and frequency used by the card.

 Parameters

   This section applies to the module form (parameters passed on the ins?

   mod(8) command line). If the driver is included in the kernel, use the

   ether=IRQ,IO,NAME syntax on the kernel command line.

   io   Specify the list of base addresses where to search for wavelan

         cards (setting by dip switch on the card). If you don't specify

         any io address, the driver will scan 0x390 and 0x3E0 addresses,

which might conflict with other hardware...

irq   Set the list of IRQs that each wavelan card should use (the
      value is saved in permanent storage for future use).

name Set the list of names to be used for each wavelan card device
      (name used by ifconfig(8)).

Wireless extensions

Use iwconfig(8) to manipulate wireless extensions.

NWID (or domain)

Set the network ID [0 to FFFF] or disable it [off].   As the NWID is
stored in the card Permanent Storage Area, it will be reused at any
further invocation of the driver.

Frequency & channels

For the 2.4 GHz 2.00 Hardware, you are able to set the frequency by
specifying one of the 10 defined channels (2.412, 2.422, 2.425, 2.4305,
2.432, 2.442, 2.452, 2.460, 2.462 or 2.484) or directly as a numeric
value.   The frequency is changed immediately and permanently. Fre?
quency availability depends on the regulations...

Statistics spy

Set a list of MAC addresses in the driver (up to 8) and get the last
quality of link for each of those (see iwspy(8)).

/proc/net/wireless

status is the status reported by the modem. Link quality reports the
quality of the modulation on the air (direct sequence spread spectrum)
[max = 16]. Level and Noise refer to the signal level and noise level
[max = 64]. The crypt discarded packet and misc discarded packet coun?
ters are not implemented.

Private ioctl

You may use iwpriv(8) to manipulate private ioctls.

Quality and level threshold

Enables you to define the quality and level threshold used by the modem
(packet below that level are discarded).

Histogram

This functionality makes it possible to set a number of signal level

intervals and to count the number of packets received in each of those defined intervals. This distribution might be used to calculate the mean value and standard deviation of the signal level.

Specific notes

This driver fails to detect some non-NCR/AT&T/Lucent Wavelan cards. If this happens for you, you must look in the source code on how to add your card to the detection routine.

Some of the mentioned features are optional. You may enable to disable them by changing flags in the driver header and recompile.

SEE ALSO

wavelan_cs(4), ifconfig(8), insmod(8), iwconfig(8), iwpriv(8), iwspy(8)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project.   A description of the project, information about reporting bugs, and the latest   version of this page, can   be   found   at https://www.kernel.org/doc/man-pages/.

Linux   2017-09-15   WAVELAN(4)