Rocky Enterprise Linux 9.2 Manual Pages on command 'wavelan.4'

$ 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   This driver is obsolete: it was removed from the kernel in version 2.6.35.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 kernel. This driver supports multiple cards in both forms (up to

   4) and allocates the next available ethernet device (eth0..eth#) for each card found, un?

   less a device name is explicitly specified (see below). This device name will be reported

   in the kernel log file with the MAC address, NWID and frequency used by the card.

 Parameters

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

          manent storage for future use).

   name   Set the list of names to be used for each wavelan card device (name used by ifcon?

fig(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 perma?

nently. Frequency 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 modu?

lation 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 dis?

carded packet counters 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 distribu?

tion 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/.

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