

## Driver Installation Guide for LINUX

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### Introduction

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This document describes the procedure to install driver on Linux for FriendlyNET PCI595 Fast Ethernet Adapter.

Location of Driver : \LINUX\SIS900.C

### Installation procedure

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The recommended kernel version is 2.2.X. You should also confirm the Linux kernel is built with network and module supports. Other required packages (libraries, linker, ...) with the kernel version can be found in the Document\Changes file of the Linux kernel source .

1. Now enter the following commands at the UNIX prompt. Remember, UNIX is case sensitive.

```
# mkdir /temp
# mcopy a:sis900.c /temp
```

Note: a. copies from DOS disk to current working directory.  
b. mcopy is mtools if you don't have mtools, you can mount -t /dev/fd0 and use cp command

```
# mcopy a:trans /temp
# cd /temp
# chmod 777 *          (add all right to all file)
```

2. run trans file to compile and copy driver to linux source code:  
/temp/trans

3. Run netconfig to set you network parameter (like ip, gateway), This will create '/etc/rc.d/inet1' and 'inet2' files.

4. you must modify /etc/rc.d/rc.inet1 to insmod driver. This file will run at boot time. add a line in rc.inet1:

```
# cd /etc/rc.d
# vi rc.inet1
# insmod /your driver'path/sis900.o
```

ex: insmod /usr/src/linux/modules/sis900.o  
(must before bind protocol)

```
# shutdown -h now
```

(then your driver will work every time you boot.)

## Note

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make sure that your kernel is built with network, fast\_ethernet and module support. Otherwise, you have to rebuild your kernel.

1. go to /usr/src/linux directory
2. run 'make menuconfig' or 'make config'
3. mark the options list above.
4. exit and rebuild your kernel.  
make dep;make clean;make bzImage  
the file 'bzImage' will be at /usr/src/linux/arch/i386/boot/bzImage
5. modify /etc/lilo.conf. (this file specify where kernel image is)
6. run 'lilo'