

Technical Bulletin

LaneHawk Linux NIC Support on LaneHawk Controller PC

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The current Retalix (Equus) LaneHawk controller PC with motherboard DH61CR does not automatically set up the on-board network interface when Ubuntu 10.04 is installed. If you are only using (1) NIC you can just use the add-on NIC (eth0) instead of the on-board NIC (eth1). If you need to use both NIC cards follow the steps below or if you want to use the on-board NIC follow the steps below.

The driver for the on-board network interface must be installed manually.

IDENTIFICATION

The new LaneHawk Controller PC is the SNPC-LHK-SS version with the solid-state hard disk drive. All these machines should have a "Retalix" logo/label on the machine instead of the earlier "StoreNext" label. In addition, for confirmation without disassembling the machine:

- The motherboard has a PS/2 connector that is half green and half purple, while ...
- ... the previous motherboard provided separate PS/2 connectors for mouse and keyboard.

DRIVER INSTALLATION

1. Download the file `e1000e-1.2.20.tar.gz` from the Retalix Support website¹
2. Copy this file `e1000e-1.2.20.tar.gz` to the Desktop
3. Click on APPLICATIONS → ACCESSORIES → TERMINAL to launch the command line
4. Type: `CD Desktop` to change to the Desktop directory folder
5. Type: `tar xzf e1000e-1.2.20.tar.gz` to create the `e1000e-1.2.20` folder on the Desktop
6. Type: `CD e1000e-1.2.20/src` to change to your new directory
7. Type: `sudo make install`
8. Type: `sudo modprobe e1000e`
9. Type `sudo ifconfig eth1 up`
10. Type `sudo ifconfig eth0 up`
11. Type `sudo gedit /etc/network/interfaces`

¹ The current driver at this writing is [available here](#).

12. Add the following to the Interfaces File using your IP scheme:

- a. auto lo (this should be in the file already)
- b. iface lo inet loopback (this should be in file already)
- c. auto eth1
- d. iface eth1 inet static
- e. address 192.168.1.10
- f. netmask 255.255.255.0
- g. gateway 192.168.1.1
- h. auto eth0
- i. iface eth0 inet static
- j. address 123.45.67.89
- k. netmask 255.255.255.0
- l. gateway 123.45.67.1

13. Reboot the PC

14. From the command line type: **ifconfig**

- a. You should now have an eth0 and eth1 listed.

Note! The GUI interface may *not* show that the NIC (eth0) or (eth1) is installed, but running the **ifconfig** command will verify its presence.

Note: If you are using one of the NIC's to get a dynamic IP substitute "dhcp" for "static" and skip steps e,f,g or j,k,l)

