

Making an SD card for ROACH, for the Linux Putz

On Linux box, insert new SD card.

To list drives,

/sbin/fdisk -l

response, eg: *Disk /dev/sdb:*

Then, run fdisk on this drive:

/sbin/fdisk /dev/sdb

d (to delete an existing partition)

n (to make a new partition)

p (a primary partition)

accept defaults re first cylinder, etc

w (to write new partition table)

Then remove and reinsert the SD card

Now, unmount the drive:

sudo umount /dev/sdb1

Then make the new ext2 filesystem:

/sbin/mkfs -t ext2 /dev/sdb1

Remove and reinsert the SD card

Then unzip the tarball to the empty SD card:

sudo tar -xzf filesystem....shipping.tar.gz -C /media/D:

this may take a long time (90 minutes on my old Linux netbook)

The tarball will unzip to a toplevel directory on the SD card called “usbstick”. To the whole directory structure at the root level where it belongs:

cd /media/D:

sudo mv usbstick/* .

Then, to get the Ethernet interface to work again, you need to edit the file
/etc/network/interfaces:

First, change the permissions:

sudo chmod 777 /media/D:/etc/network/interfaces

Then add the following lines to “interfaces”

auto eth0

iface eth0 inet static

address 192.168.0.2

netmask 255.255.255.0

Save the file.