

## Locokit wireless

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Getting the Gumstix onto ProjectNet and retrieving it's ip address:

- Download 'Putty' for your OS version, you either use your distributions package manager (recommended) or get it from here: [Putty homepage](#)
- Attach the Locokit controller to the battery and usb port of your computer.
- Launch Putty and make a serial entry for locokit using 'serial line' '/dev/ttyUSB0' and speed '115200' [baud]
- Press 'open' or double click the locokit entry.
- You should now have an empty putty terminal.
- Make sure that the Locokit isn't upside down, the Usb port should be above the power inlet.
- Activate the Locokit controller by pressing the small button on the bottom, and flicking the activation switch to a forward position.
- The putty terminal should now display the Locokit controller boot sequence.
- Once the Locokit is finished booting (it can take a good minute or two). You login with User: root and no password.
- Now it's time to setup the network....
- Start by backing up the old wpa\_supplicant.conf file by issuing the commands:
  - `cd /etc`
  - `cp wpa_supplicant.conf wpa_supplicant.conf.old`
- Then issue 'nano wpa\_supplicant.conf' and remove all but the first network entry.
- change the ssid from "locomorph" to "ProjectNet", and psk to "robot.er.godt"
- Then press control+X and save the modified wpa\_supplicant.conf
- You can now use ifdown and ifup to hook up to the ProjectNet wlan, and ifconfig to retrieve the network address. (see: [Gumstix Overo\\_Wifi setup](#) for more info)

Now you are ready to play around with the Lpzrobot interface! See the provided manual for more info.

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