

Readme:

- Raspberry Pi
 - Untar the directory code.tar and put it in a Raspberry pi.
 - Run ./script to start the application on the Raspi
- KM:
 - Untar the directory km run the command 'make'
 - Copy mbta.ko and the file in.sh to the gumstix
 - Run the script in.sh
 - To remove the kernel module, run the script 'out.sh'
- QT
 - Untar the directory qt.tar.
 - Run 'qmake'
 - Run 'qmake touchscreen.pro'
 - Change make file as follows:
INCPATH =
-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++ \

-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++/arm-angstrom-linux-gnueabi \

-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++/backward \

-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++/bits \

-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++/debug \

-I/ad/eng/courses/ec/ec535/gumstix/oe/cross/arm-angstrom-linux-gnueabi/include/c++/ext \
 -I/ad/eng/courses/ec/ec535/gumstix/oe/qt/include/QtCore \
 -I/ad/eng/courses/ec/ec535/gumstix/oe/qt/include/QtGui \
 -I/ad/eng/courses/ec/ec535/gumstix/oe/qt/include/QtNetwork \
 -I/ad/eng/courses/ec/ec535/gumstix/oe/qt/include \
 -I/ad/eng/courses/ec/ec535/gumstix/oe/qt/mkspecs/qws/linux-arm-g++
-l. -l. -l. -l.

- Copy the file 'touchscreen' to the gumstix
- Run './touchscreen -qws' to start the QT application

Hardware:

- Connect the pin 28 of the Gumstix to the Pin 23 on the Raspi
- Connect the pin 101 of the Gumstix to the pin 24 on the Raspi
- Connect the two via ethernet

Software packages:

Make sure that the Gumstix is running openssh version 4 or above. Also make sure that it has the package open_scp version 4.0 or above. These are vital for the system to function.