

README FILE

FOR THE HOST

- Please follow the given steps while in root user. Otherwise make sure to get the permission for Input events by typing the following code

sudo chmod 666 /dev/input/event(num)
- To get the event number, follow the below steps in your terminal:
 1. **xinput**- this will provide the ID for your touchpad or usb mouse whichever you are using.
 2. **cat /proc/bus/input/devices**- over here look for either touchpad or usb mouse and it would have the file location in the form of /dev/input/event(). Note the event number.
- Now in **MainProgram.c**, change the event number. It can be found on line 17 of the code. Instead of event6, write your event number.
- Next change the CPU_FREQ in line 19 if its is different.
- To run the make file in the terminal, change the directory to where all the source files, headers files and Driver file have been saved.
- Type **make** on the terminal. This will generate the object file as well executable file with the name of main and also .ko file for the Driver
- type **insmod Driver.ko**
- After that type **./main**.
- The program will start running thereafter.
- After completion remove Driver.ko.

FOR THE TARGET

- Configure your board by assigning your static address for the board any where between 192.168.1.0 to 192.168.1.255. Before that make sure to give static address to your host.
- Go to **root@quark** and type **cat /proc/bus/input/devices |grep mouse** command to know your mouse event. Take note of this event number and in MainProgram.c change the event number at line 17.
- To run the make file in the terminal, change the directory to where all the source files, headers files and Driver file have been saved.
- Use **make clean**.
- Type **make TEST_TARGET=Galileo2** on the terminal. This will generate the object file as well executable file with the name of main and also .ko file for the Driver. Note the path for the executable file.
- Type **scp (path for executable file) root@board_address:/home**. This will copy your file to the target.
- Type **scp (path for Driver.ko) root@board_address:/home**. This will copy your file to the target.
- Go to the **root@quark**.
- Type **cd /home** and change the directory.
- Do- **insmod Driver.ko**
- To run the program type **./main**.