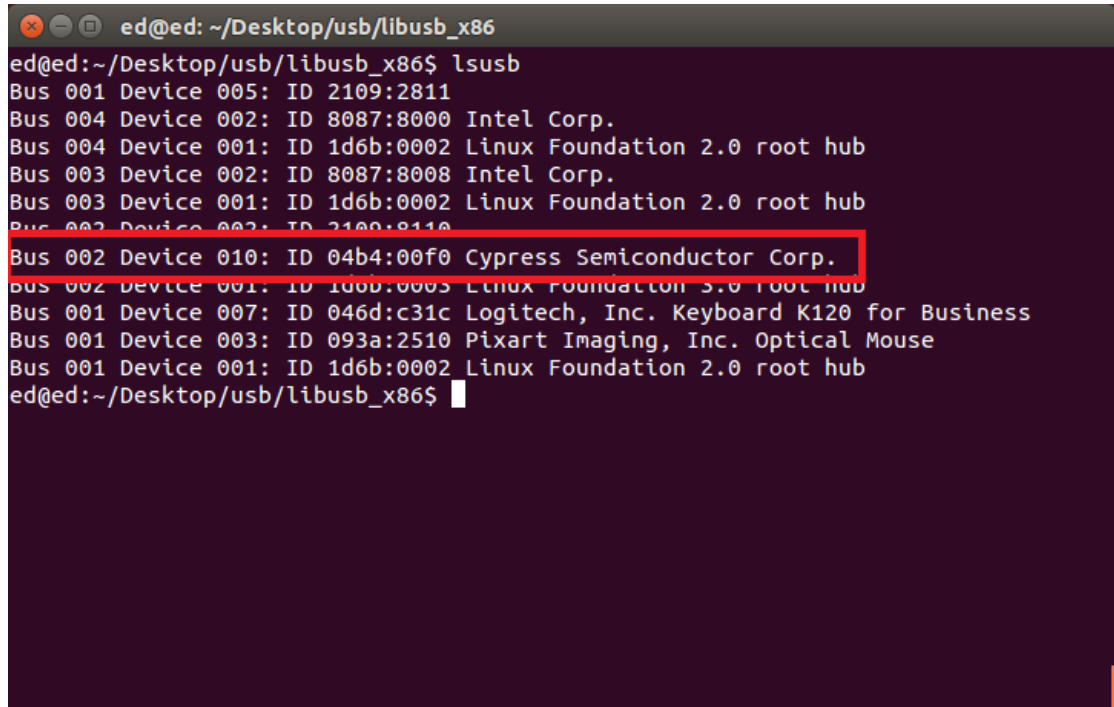


1. Open terminal and Enter **source ./install.sh**.
2. Please do not plug-in on the **USB hub**
3. Please do not use Mrloop Dongle on **virtual machine**
4. Plug-in Wigig Dongle and open terminal enter "lsusb" to find "Cypress Semiconductor Corp"



```
ed@ed: ~/Desktop/usb/libusb_x86
ed@ed:~/Desktop/usb/libusb_x86$ lsusb
Bus 001 Device 005: ID 2109:2811
Bus 004 Device 002: ID 8087:8000 Intel Corp.
Bus 004 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 003 Device 002: ID 8087:8008 Intel Corp.
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 002: ID 2109:2811
Bus 002 Device 010: ID 04b4:00f0 Cypress Semiconductor Corp.
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 007: ID 046d:c31c Logitech, Inc. Keyboard K120 for Business
Bus 001 Device 003: ID 093a:2510 Pixart Imaging, Inc. Optical Mouse
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
ed@ed:~/Desktop/usb/libusb_x86$
```

DataTransfer

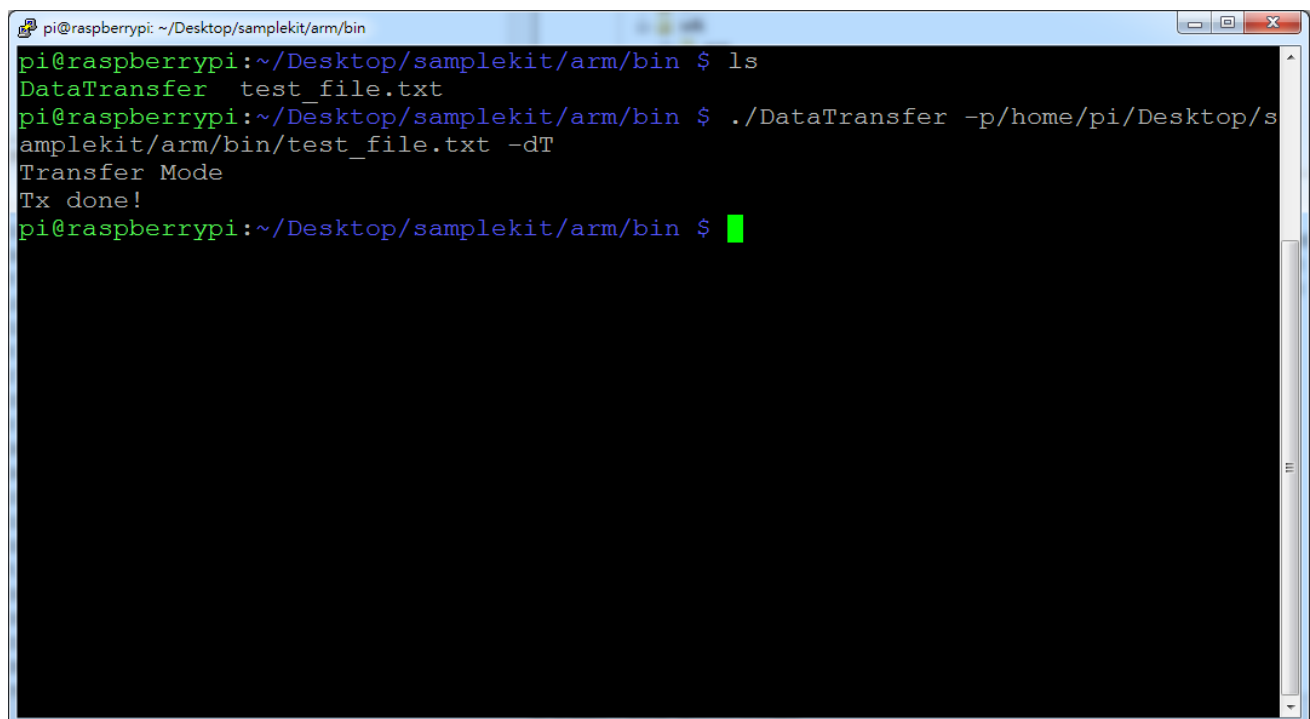
In command line, to run the “DataTrnasfer” application.

- I. ./bin/DataTransfer
- II. You can Enter ./bin/DataTransfer -h to know how to use it.
 - i. -h :help
 - d : select mode “T”ransfer or “R” eceive
 - p : data path , just for Transfer modefor example:
Tx: ./bin/DataTransfer -m6 -dT -p“file path”
Rx: ./bin/DataTransfer -dR

This version of DataTransfer application:

- I. In receive mode, if want to stop it, please enter **Ctrl + C**.
- II. The receive data are save at application path:
 - ii. if application at Desktop the receive data at Desktop.
- III. The transfer mode only support **1** file transfer.

1. Transfer Mode

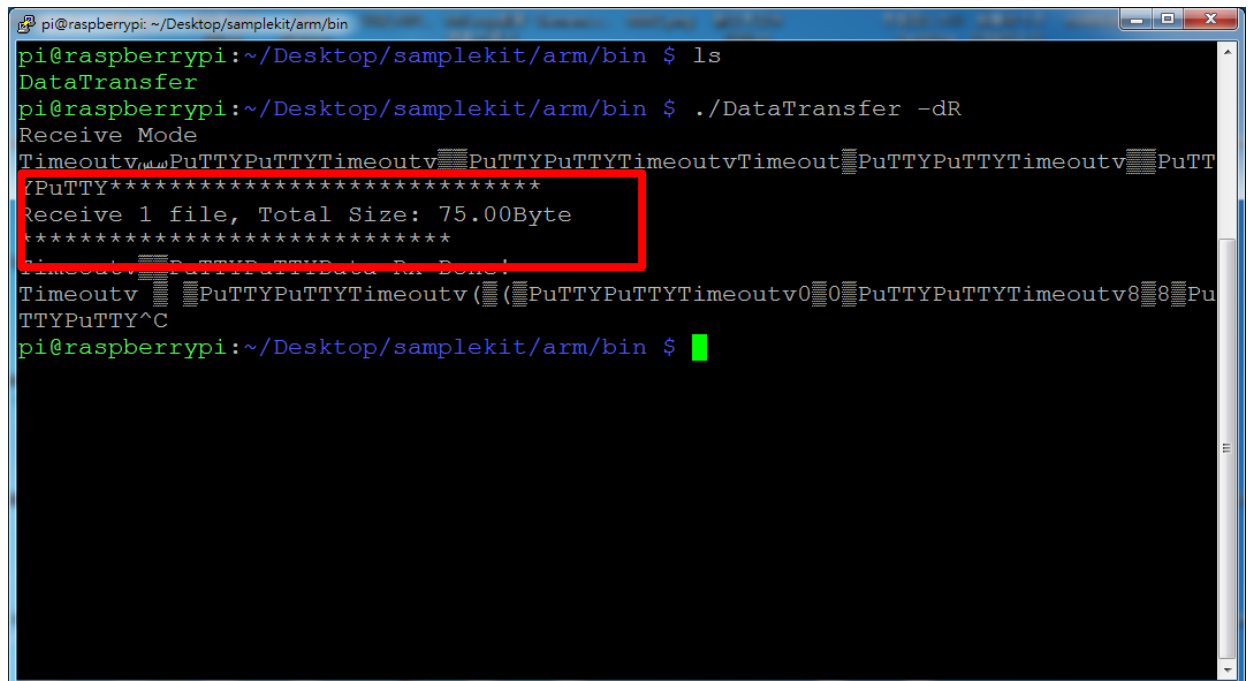


```
pi@raspberrypi: ~/Desktop/samplekit/arm/bin
pi@raspberrypi:~/Desktop/samplekit/arm/bin $ ls
DataTransfer  test_file.txt
pi@raspberrypi:~/Desktop/samplekit/arm/bin $ ./DataTransfer -p/home/pi/Desktop/samplekit/arm/bin/test_file.txt -dT
Transfer Mode
Tx done!
pi@raspberrypi:~/Desktop/samplekit/arm/bin $
```

First line: **-dT** is select transfer mode, **-p** is file path.

If all command is ok, terminal should be show the second line message: **Transfer Mode** and it is waiting receive Rx signal. The “**Tx done!**” is Transfer over message.

2. Receive Mode

A terminal window on a Raspberry Pi showing the execution of a program. The user is in the directory ~/Desktop/samplekit/arm/bin. They run 'ls' and then './DataTransfer -dR'. The program outputs 'Receive Mode' and then a series of asterisks. A red box highlights the line 'Receive 1 file, Total Size: 75.00Byte'. Below this, the program outputs 'Data Rx Done!' and then another series of asterisks. The terminal window has a title bar with standard Linux window controls.

```
pi@raspberrypi: ~/Desktop/samplekit/arm/bin
pi@raspberrypi:~/Desktop/samplekit/arm/bin $ ls
DataTransfer
pi@raspberrypi:~/Desktop/samplekit/arm/bin $ ./DataTransfer -dR
Receive Mode
*****
Receive 1 file, Total Size: 75.00Byte
*****
Data Rx Done!
*****
pi@raspberrypi:~/Desktop/samplekit/arm/bin $
```

-dR is receive mode. If show the “Receive Mode” message on terminal, the Rx is waiting Tx signal. However, the Tx signal was be receive you can see file information on terminal. If Rx over, that show “Data Rx Done!” on the terminal.

P.S. The Receive of file are save at **same** path with application.