



# How to use a TelosB mote

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[This tutorial provides instructions for using a TelosB platform]



#### Note:

You will need to make sure you have administrative rights on your Windows machine before starting. Otherwise, you will have to get your system administrator to follow these instructions instead.

Let's go.....

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## What do you need

You need:

- A TelosB mote
- A XubuntuOS installation (First Tutorial)
- A Micaz mote
- A MIB600 board
- An Ethernet cable



*A TelosB mote*



## BlinkToRadio

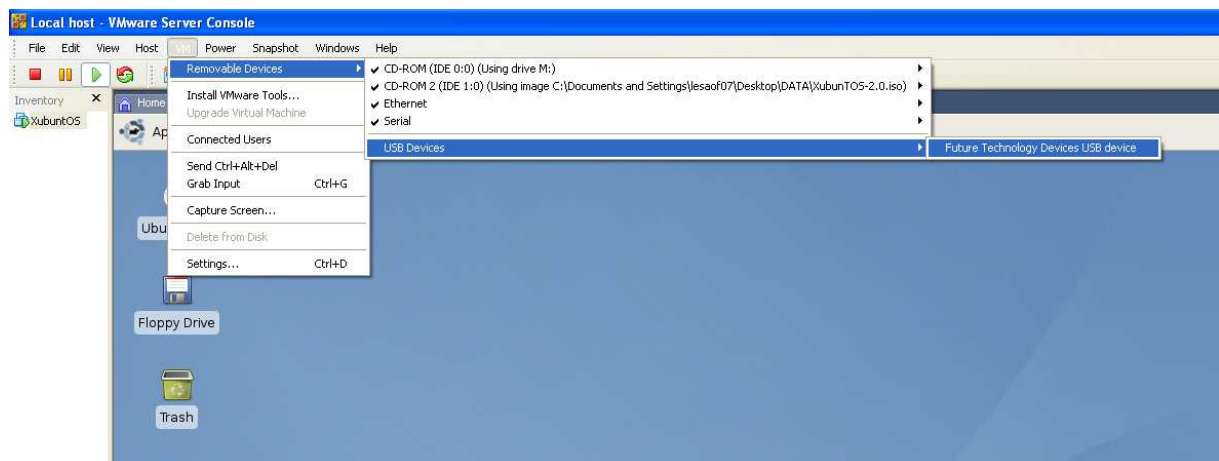
Start your XubuntuOs VMWare operating system and follow the next instructions.

In this example we will use the BlinkToRadio program, available in the directory `opt/tinyos-2.x/apps/tutorials/BinkToRadio`.

Launch the terminal and type:

```
cd /opt/tinyos-2.x/apps/tutorials/BinkToRadio
```

Then you can plug your TelosB mote, by using the VMWare command `Vm/Removable devices/USB Devices`.



Choose the “Future Technology Devices USB device and click on it. Then you can see a “v” near this device.

You must know the name of the usb port, used by your TelosB mote. So type:

```
motelist
```

Then you can see (example):

Reference	Device	Description
XBNU4PE1	/dev/ttyUSB0	XBOW Crossbow TElos Rev.B

So in the example, our TelosB mote is connected to the USB0 port.



Then you can install the BlinkToRadio on the TelosB mote by typing:

```
make telosb install bsl,/dev/ttyUSB0
```

Then you can do the same operation for the MICAz mote:

```
make micaz install eprb,160.98.21.xxx
```

Power on the two motes, and you will see the BlinkToRadio program executing a led binary counter.