How to program on Mica2?

1. Install tinyos 1.1.11 from http://www.tinyos.net/dist-1.1.0/tinyos/windows/tinyos-1.1.11-3is.exe

2. Cygwin and Java will be installed automatically under TinyOS’s home directory.

3. Connect a power supply to a MIB510 programming board.

4. Connect a MIB 510 programming board to a PC via a Serial cable.

5. **Turn OFF a Mica2 mote.** (There is a switch on a mote) If NOT, you will burn your programming board.

6. Plug a Mica2 mote into a MIB510 programming board through a 51-pin connector.

7. Start Cygwin

8. Go to the directory which a program locates. (For example, /opt/tinyos-1.x/apps/Blink)

9. Type the following command to program *(case-sensitive)*

   make mica2 install,<node id> mib510,/dev/ttyS0

   e.g. node id = 1
   make mica2 install,1 mib510,/dev/ttyS0

10. Take off a Mica2 mote from a programming board and turn it on.