How to update the OS for the Mobile Logger using the SESlogger software for PC

Preparation Stage

Complete the following 4 preparation steps (if not done so before):

1) Download the latest OS file (*.ino.mega.hex) from

 http://has.eduhk.hk/seslogger/

(under the section **Update of Operating System for the mobile logger).** You should not install the file called *.ino.with_bootloader.mega.hex unless the bootloader in your Arduino board is corrupted.

2) Use an USB type A/B cable to connect the mobile logger with your computer.

3) Locate the com port number for the Arduino Mega 2540 in your computer by the following path:

Windows → Control Panel → Device Manager → Ports (COM & LPT)
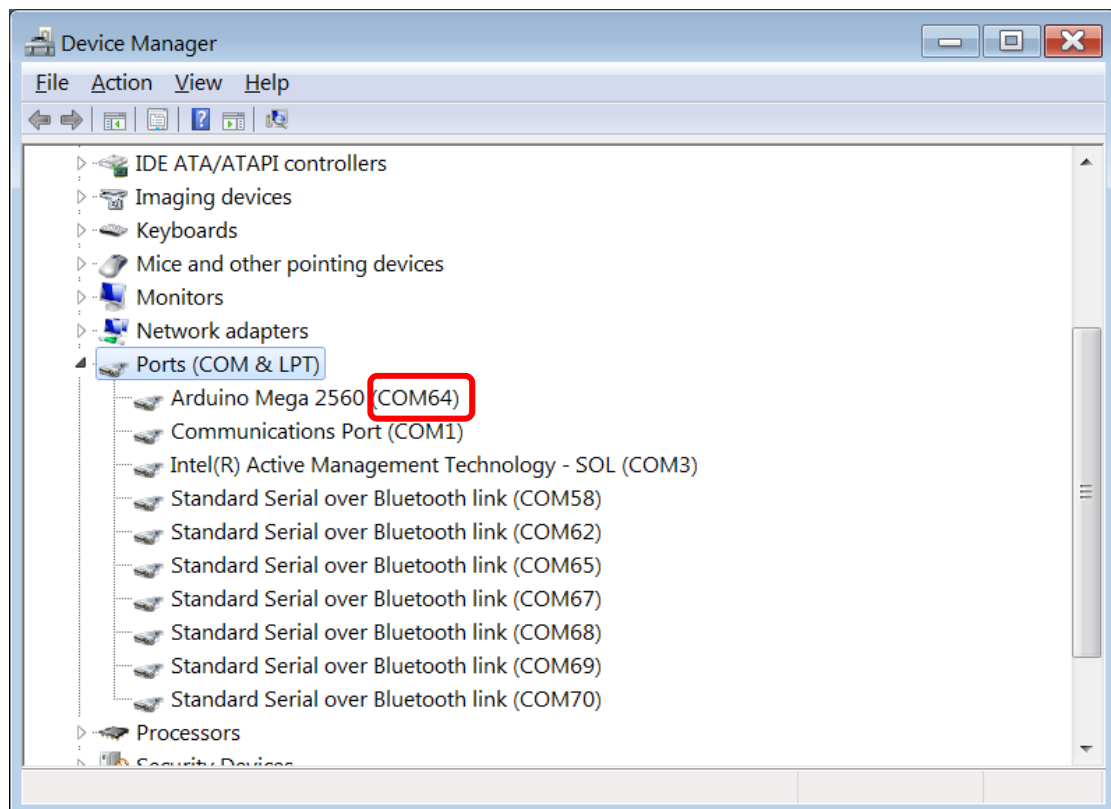
In the present case, the com port is COM64.

Remark: In Linux system, you may show the port by issuing the following command in a terminal:

ls –la /dev/tty*

The port should be ether ttyACM* or ttyUSB* and you need to enable an access right of Write to it by:

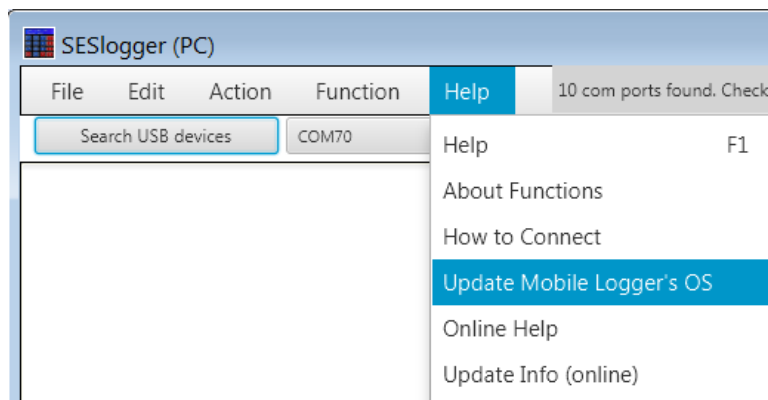sudo chmod a+rw /dev/ttyACM*

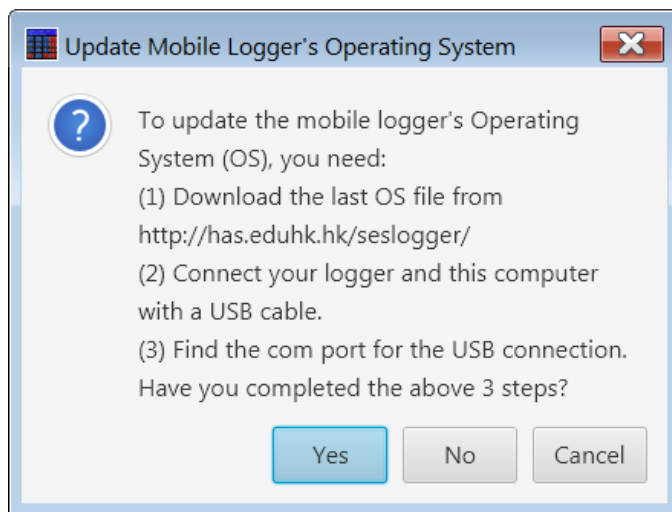4) If not done before, download and install the Arduino IDE software for developer from

https://www.arduino.cc/

Steps for burning the OS into the Mobile Logger
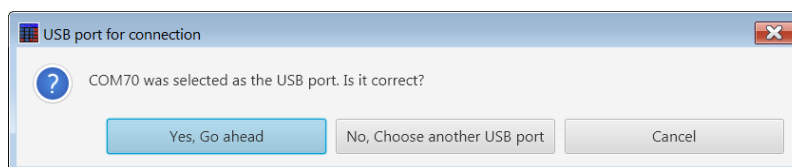
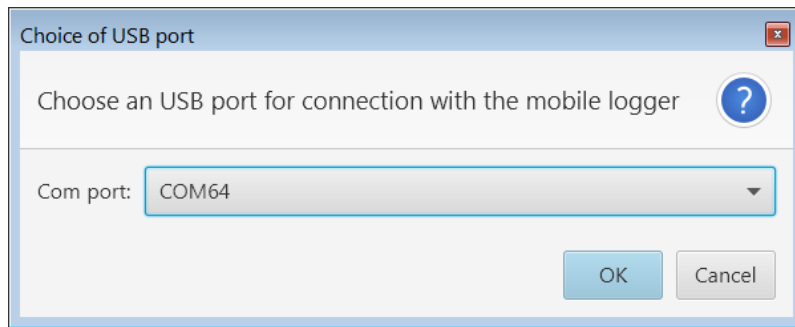1) In the menu for the SESlogger for PC software, select Help → Update Mobile Logger's OS

a) *Click the Yes button in the below pop-up window.*

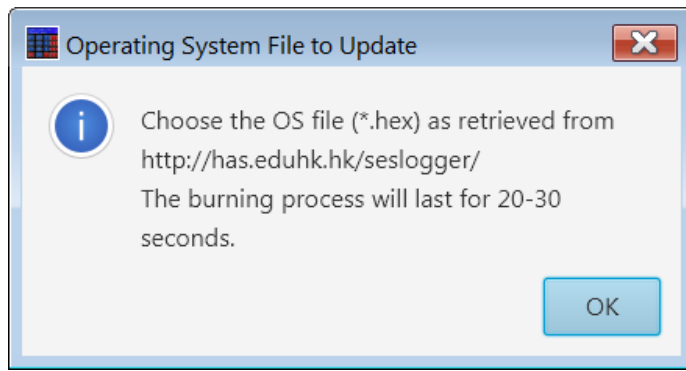b) *If the com port shown below is incorrect, click the No button below.*

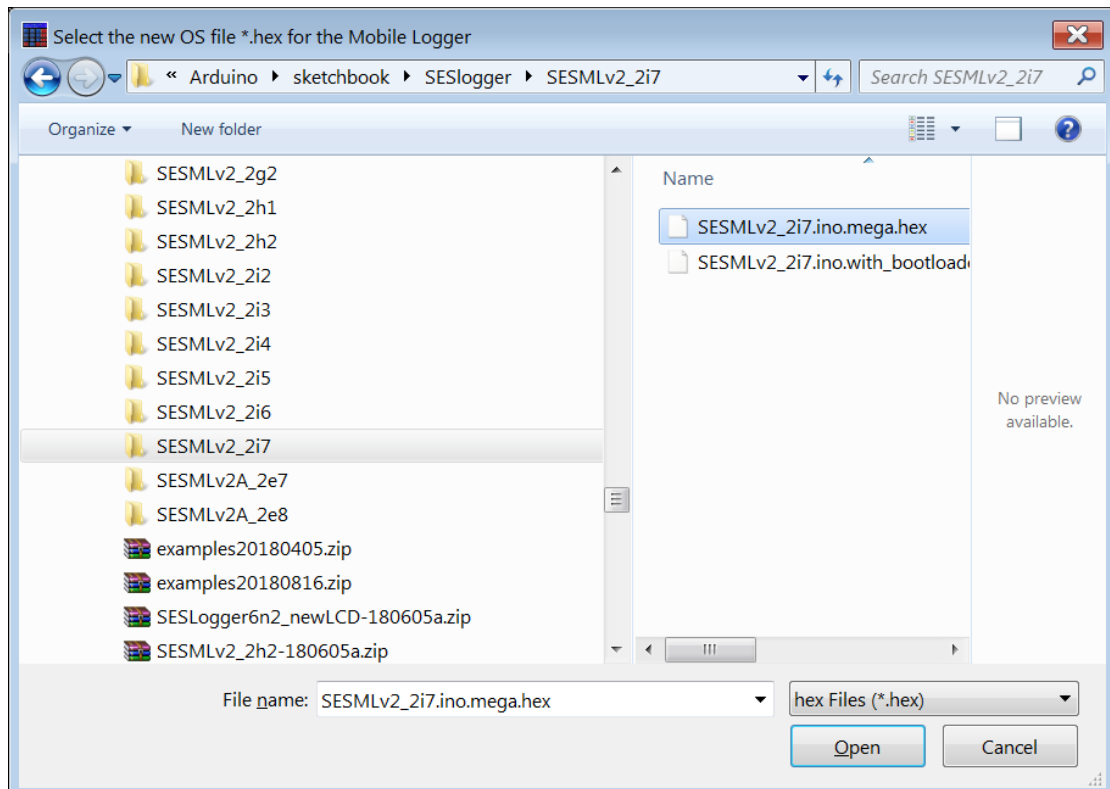c) *Select the correct com port and then press the Yes button.*

Remark: For the first time use of this function, you will be asked to locate the arduino.exe file which is usually placed at c:\Program Files (x86)\Arduino\
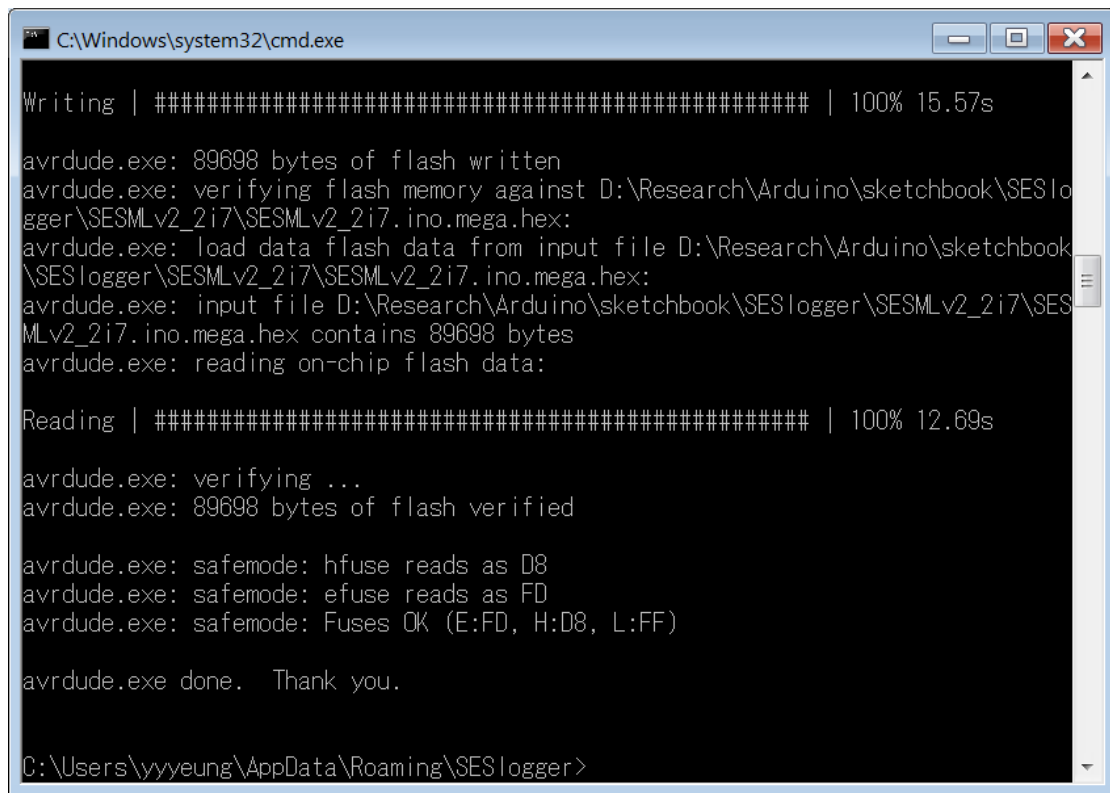
d) *Click OK button.*

e) *Locate the place for the most updated *.ino.mega.hex file and press the Open button.*

f) *When you see the "Thank you" in the cmd.exe window below, the installation is successful and you may close the window.*