GOLD NOTE

Italian Music Experience

PH-10

UPDATING GUIDE FOR MAC

This guide will explain step by step how to update the PH-10 using your MAC with pictures and descriptions.

You will need:

1. a MAC
2. a mini-USB cable
3. the firmware file for PH-10
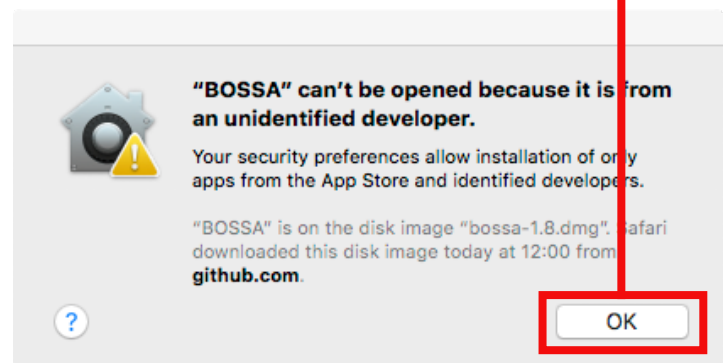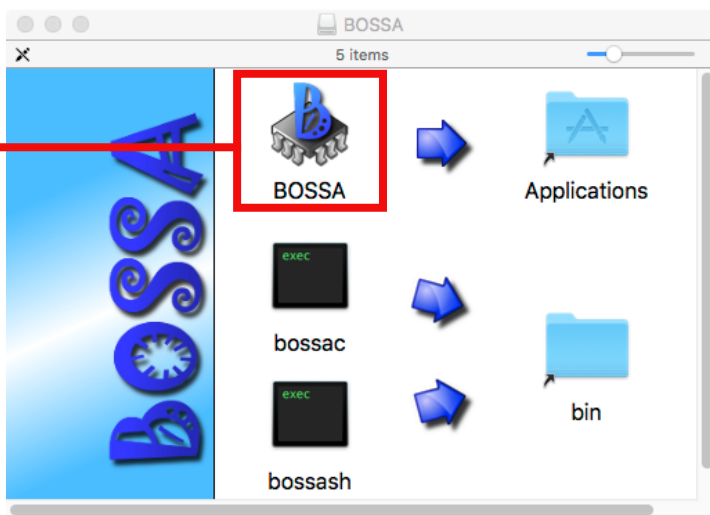4. the program BOSSA 1.8
5. a paper clip

STEP 1

1. Download the firmware www.akamaiaudio.it/download/updates/ph10/ph10_REV5.bin

2. Save the file **ph10_REV5.bin** on the desktop

3. Download the program **BOSSA 1.8** www.github.com/shumatech/BOSSA/releases/download/1.8/bossa-1.8.dmg.zip
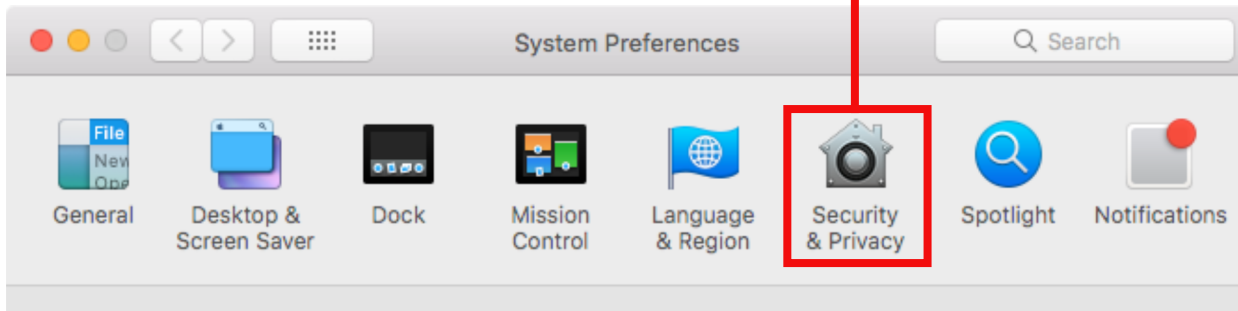
STEP 2

Launch BOSSA, this program will upload the new software on the PH-10:

1. double click on **bossa.dmg**

2. double click on the icon named BOSSA

3. click OK if asked (the system may require the user's confirmation to execute the program)
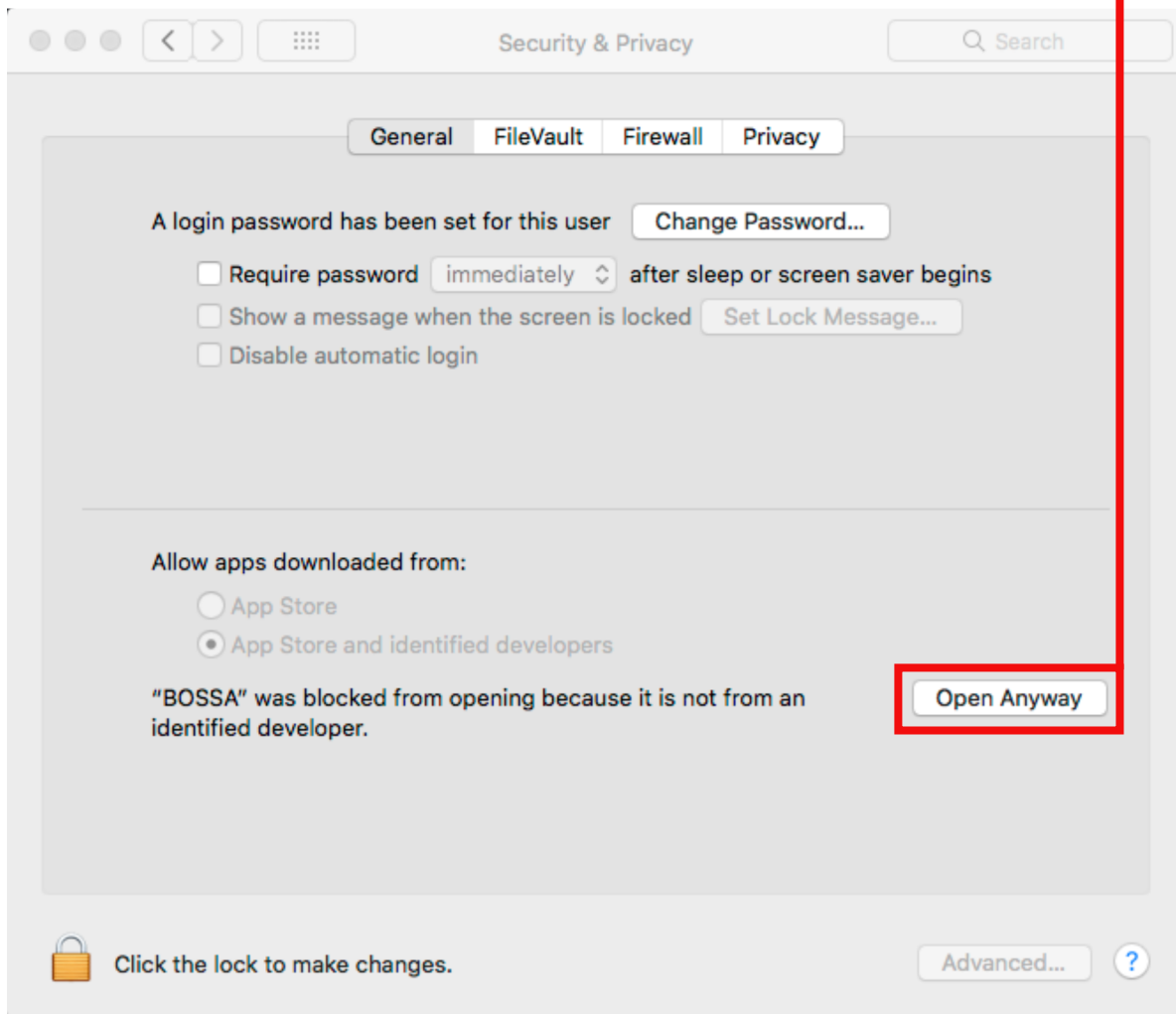
STEP 3

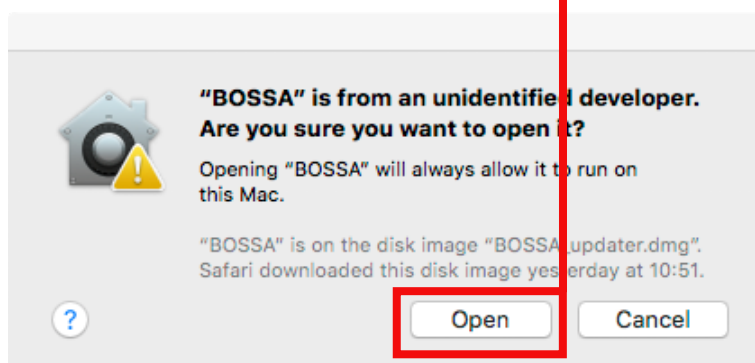Open **Security & Privacy** in **System Preferences** on your MAC

STEP 4

In the General tab click **Open Anyway** to allow the execution of the program

STEP 5

Click **Open** to launch the program

STEP 6 [SKIP THIS STEP IN CASE THE PH-10 HAS ALREADY BEEN RESET]

Turn ON the **Master Switch** located on the rear panel of the PH-10, then insert a paper clip in the hole marked in the picture and push it to press the button underneath.
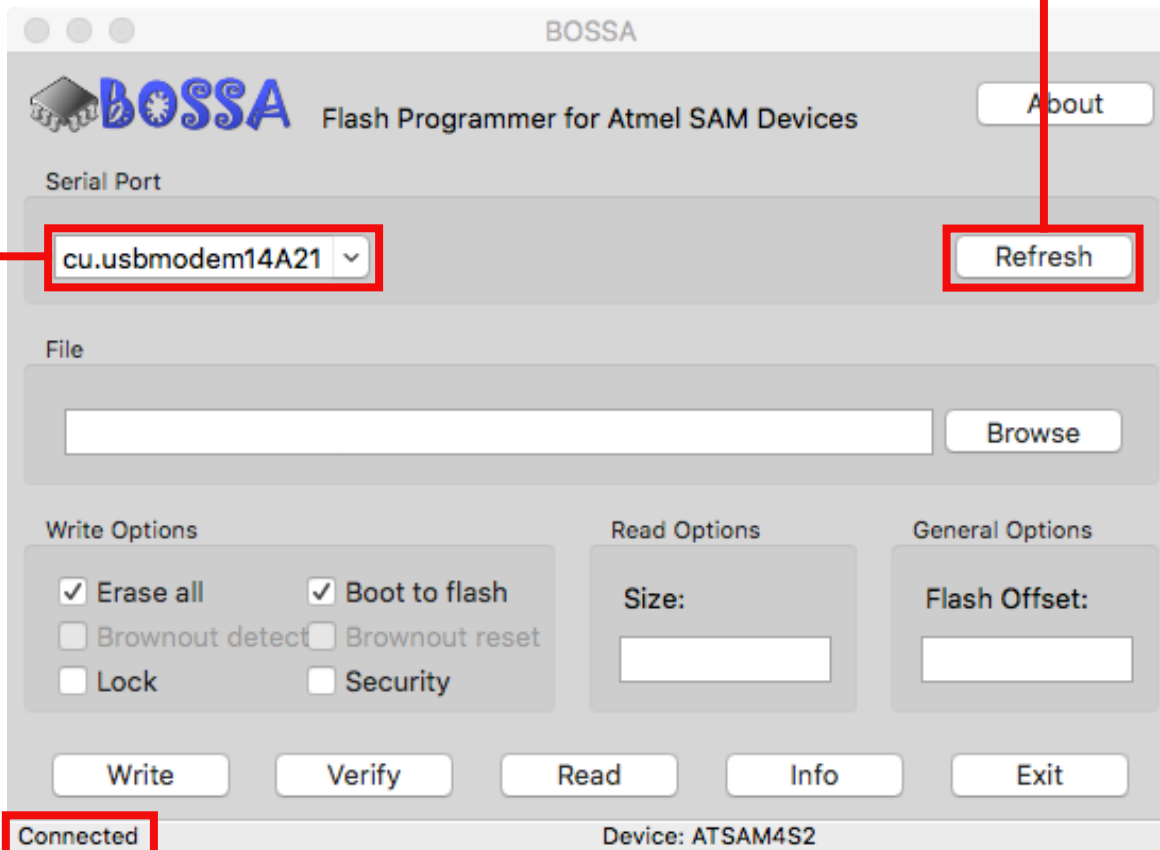
Leave the **Master Switch ON**

STEP 7

Prepare BOSSA for the upload selecting the following settings:

1. Connect the PH-10 to the MAC with the mini-USB cable

2. Click the **Refresh** button

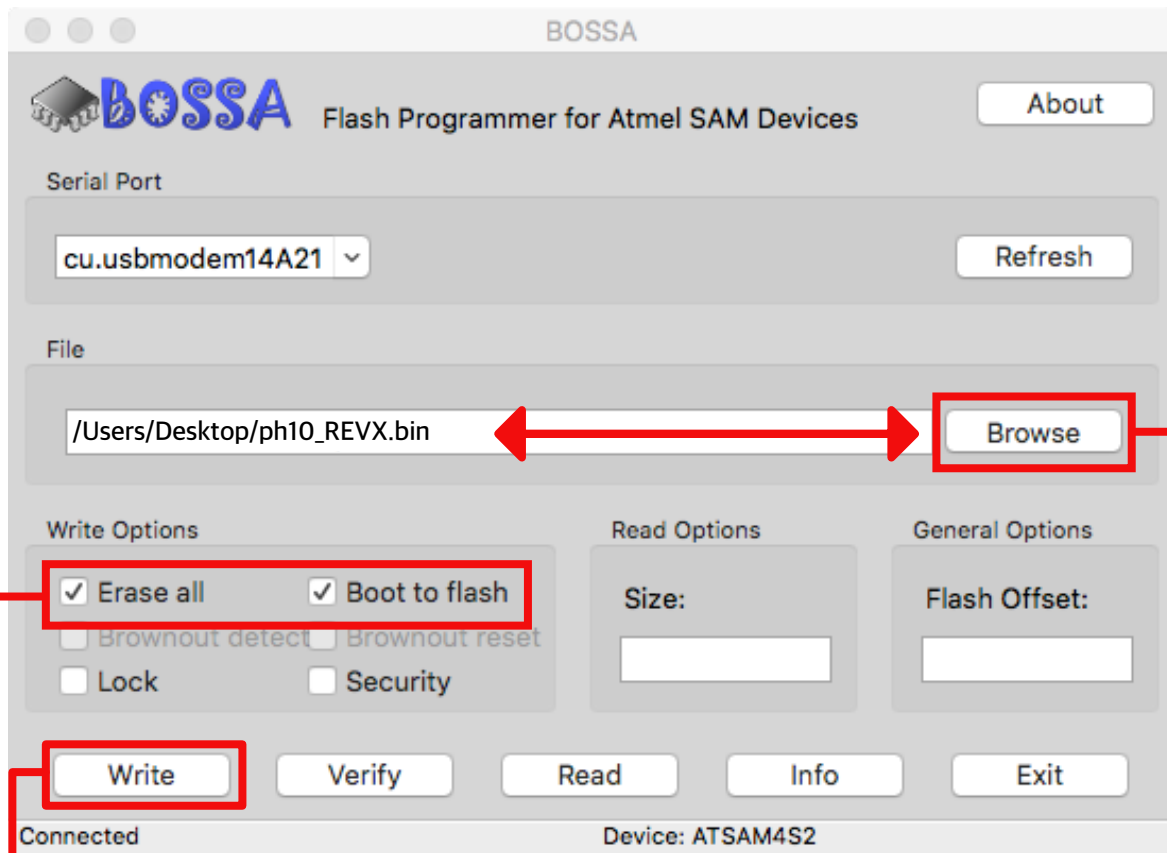3. Select **cu.usbmodemXXXX** under Serial Port

4. Ensure that the connection is established - the program displays **Connected** in the bottom left corner

STEP 8

Upload the software:

1. Click **Browse** and select the file named **ph10_REVX.bin** saved on the desktop at __STEP 1__
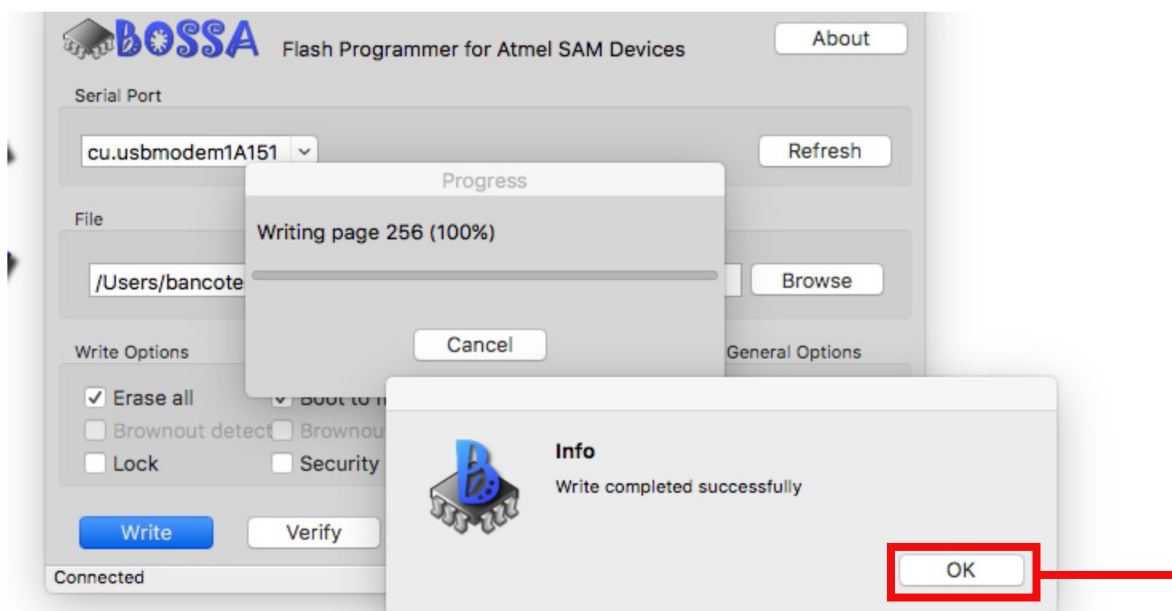
2. Select the **Erase all** and **Boot to flash** options

3. Click **Write** to start the upload

STEP 9

Wait for the upload to be completed and click **OK** then turn OFF and disconnect the PH-10
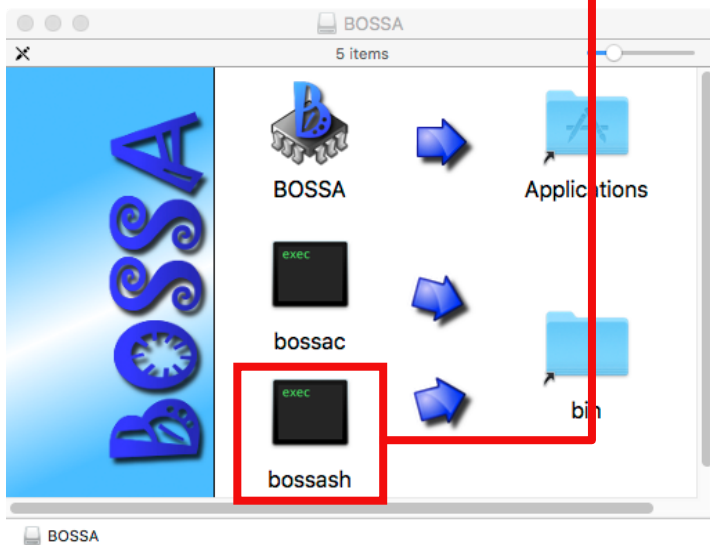
UPDATING PH-10 USING THE TERMINAL

Follow the indications described until **STEP 6** to prepare the PH-10 and the MAC and then connect the PH-10 to the MAC using the mini-USB cable.

Launch the **Terminal** and then:

1. Type the command `ls /dev/tty*` and press **ENTER**

2. Find the first port named similarly to `/dev/tty.usbmodemXXXX` and copy its name [click and drag on the name, then press **COMMAND + C** or **right click** and then **Copy**]

3. Open **BOSSA** and double click on **bossash**

4. A new window will be opened in the **Terminal** [click **Open** if asked by the system]

5. In the new window type `connect` and paste the name of the port copied at 2 (ex. `/dev/tty.usbmodemXXXX`) then press **ENTER**

5. Wait for the **Terminal** to show `Connected to device on /dev/tty.usbmodemXXXX`

6. Type `erase` and press **ENTER**

7. Type `bootf true` and press **ENTER**

6. Type `write` then find the file **ph10_REV5.bin** on the desktop, click and drag it on **Terminal** and then press **ENTER** (the line should look similar to `bossa> write / Users/Desktop/ph10-REV5.bin`)

7. Wait for the upload to be completed

8. Turn OFF the PH-10 using the **Master Switch** and disconnect it from the MAC

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