

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

<u>STEP 1</u>

- 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

<u>STEP 2</u>

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)



<u>STEP 3</u>



<u>STEP 4</u>

In the General tab click **Open Anyway** to allow the execution of the program Security & Privacy General FileVault Firewall Privacy A login password has been set for this user Change Password... Require password immediately after sleep or screen saver begins Show a message when the screen is locked Set Lock Message... Disable automatic login Allow apps downloaded from: O App Store App Store and identified developers "BOSSA" was blocked from opening because it is not from an Open Anyway identified developer. Click the lock to make changes. Advanced...] (?)

<u>STEP 5</u>



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



<u>Step 7</u>

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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				
	BO	SSA		
Serial Port	sh Programmer fo	or Atmel SAM Devices	About	
cu.usbmodem14A21 ~			Refresh	
File			Browse	
Write Options		Read Options	General Options	
Brownout detect	Boot to flash Brownout reset Becurity	Size:	Flash Offset:	
	rify Re	ead Info	Exit	
Connected		Device: ATSAM4S2		

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

<u>Step 8</u>

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 optio	ons				
	BOSSA				
SSA Flash Programmer	r for Atmel SAM Devices	About			
Serial Port					
cu.usbmodem14A21 ~	Refresh				
File					
/Users/Desktop/ph10_REVX.bin		Browse			
Write Options	Read Options	General Options			
✓ Erase all ✓ Boot to flash	Size:	Flash Offset:			
Lock Security					
Write Verify	Read Info	Exit			
Connected	Device: ATSAM4S2				

3. Click Write to start the upload

<u>STEP 9</u>

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 **<u>STEP 6</u>** 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 <a>/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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