

Instruction Manual:

How to setup your Audioplayer with bluetooth dongles to connect your headphones & speakers wireless.

Here you find the instruction how to setup the Audioplayer. It is **very important** to follow each step chronological, to prevent it is not working properly.

1. Unpacking:

AUDIOPLAYER:

- Unpack your Audioplayer & Pushbuttons & Bluetooth dongles.
- Connect the pushbuttons and bluetooth dongle(s).
- Plug in the Power adapter in the 12V portal. The LED lights for the pushbutton should work now:
- Volume buttons light ring is: Always ON
- Play buttons light-ring are: ON-OFF blinking when not pushing the button.

BLUETOOTH DEVICE:

- Please be sure that your bluetooth device will be battery will be charged or connect with power cable and is turned ON.

2. Prepare your Music Content

- Playable audio tracks on the Audioplayer:
 - Lookup for your Audiotracks on your computer, it should be .MP3 files audiotracks (no other format possible for this player).
 - Rename your audiotracks so it can be recognized by the Audioplayer. For instance, if you have 3 audio tracks, please rename them as:
 - First audio file: **00.mp3**
 - Second audio file: **01.mp3**
 - Third audio file: **02.mp3**
 - Please copy only the audio tracks on an empty SD Card.
 - Insert the SD card into the Audioplayer.

Note: if you do not have your .mp3 audiotracks, you can find some demo .Mp3 tracks on our product page, which you can use for testing.

Note 2: you cannot rename other format audio files into 00.mp3. You first have to convert your audio files into .mp3 and then rename as described above.

- Function of the pusbbuttons:
 - Press button 1 (speaker 1), it will play track 1. If press again it will play the next track. The light ring of the button will stay on during it is playing an

audiotrack. When finished it will be blinking again. If you press button 2 (speaker 2), the audio will transfer from speaker 1 to speaker 2 at once.

- Same kind of functions for other buttons
- Buttons 5-6 are for Volume Up and Down.

3. Update Firmware for each Bluetooth Dongle:

First the bluetooth dongle must be updated with the latest update firmware. If you do not update it, the dongles will not work / not work properly.

- Find the file "Update firmware BT Dongle.zip" on our product page in the **Documents** section: <https://www.jamiepro.com/shop/ac-aud-01-4xbluetooth-audioboard-with-multi-bluetooth-connections-4x-2101#attr=21372,21370,21366,21367,21365>
- After downloading, please unzip the file "update firmware BT dongle".
- Copy the folder "**system**" file to an empty USB Stick.
- Go to your audioplayer, take out the power-cable plug.
- Be sure that the bluetooth dongle is connected to the audioplayer by its USB cable and Jack plug.
- Be sure the pushbuttons in the pushbutton inputs
- Insert the USB Stick into the USB Port of the bluetooth dongle itself (**not** in the USB port of the Audioplayer)
- Plug-in the powerplug, so you can see the pushbuttons lightings are working, so you know the audioplayer is On.
- Wait 1 minute, then the update of the firmware will be ready.
- Take out the power plug from the AudioPlayer.
- Take out the USB Stick
- You have now finished the update firmware.
- Repeat this procedure for the other Bluetooth dongles.

4. Find the Mac address of your wireless device:

To connect your Bluetooth Headphone and/or Bluetooth speakers, you need to know for each device the MAC address. Each Bluetooth Dongle needs to be programmed with one of the MAC-addresses, to have a dedicated Bluetooth connection.

What is an MAC-address:

- This is a unique code, existing 12 digits. An example how it looks like:
 - **B8:D5:0B:00:47:A5**

How to find this MAC-address:

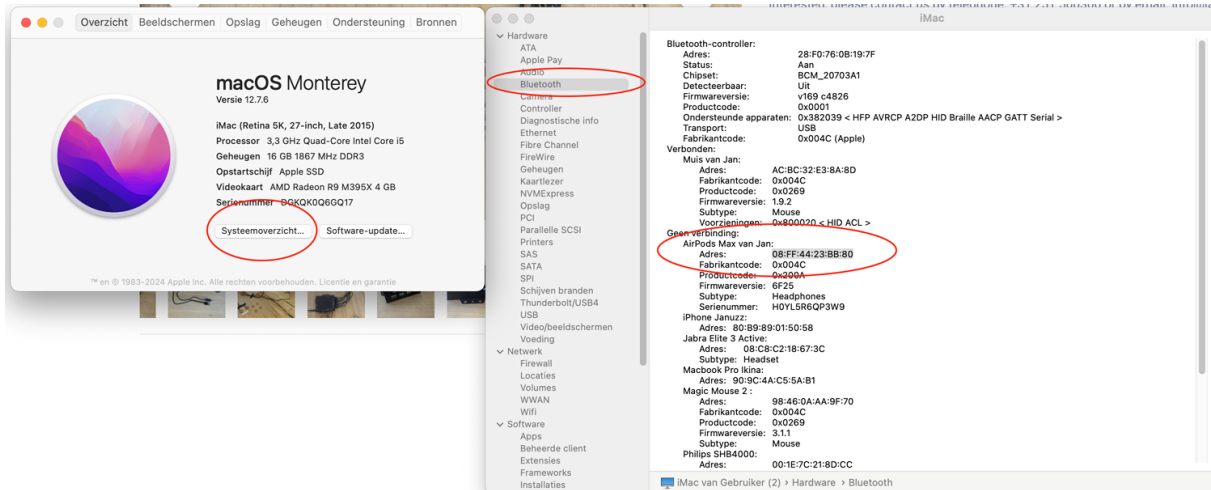
- You might find it on the packaging of your device. Note it is not your Serial number. It needs to be an MAC-address!

or

- You can look up this MAC address when you connect your headphone or speaker by Bluetooth to your PC Computer or Apple computer. Find an explanation how to find

the MAC address on an Apple computer here below and find instruction for Windows computer in Appendix 1.

- Apple computer: go to “About this Mac” on your Computer and go to “System OverView” and go in the Hardware section to “Bluetooth”. In there you can find all you connected Bluetooth devices. Lookup your device and copy the MAC address. See also picture below with screenshot examples.



5. Create BT connection file and update the bluetooth dongle(s)

To connect your device with a bluetooth dongle, the bluetooth dongle must be updated with the MAC address of your speaker or headphone which you have looked up at step 4. This updating must be done by uploading a TXT-file on the Bluetooth dongle (via the USB Portal). This TXT file includes your MAC address.

We have a template for this TXT.file, which you can use. You only must copy your MAC address in it. This file is called: **settings.txt**. Download the template file on the product page of this article here:

<https://www.jamiepro.com/shop/ac-aud-01-4xbluetooth-audioboard-with-multi-bluetooth-connections-4x-2101>

How to do update, you will find here below the instruction steps:

- Open a text editor program on your computer. This is a simple text program which comes standard on a Windows or MAC computer. If you use program such as WORD, then be sure you save it as .txt format!
- Open the template: settings.txt
- You will see this text:

```
<SETTINGS>  
<CONMAC>B8:D5:0B:00:47:A5</CONMAC>  
</SETTINGS>
```
- Change the MAC address B8:D5:0B:00:47:A5 into **your** MAC address of your device.

- e. Save this file in a Folder on your computer, which you can name as your device, for example: HEADPHONE RED. Important: This file needs to be named as **settings.txt**. It is very important that you save the file in .txt format file!
 - f. Copy this **settings.txt** file to an empty USB Stick.
 - g. Go to your Audioplayer, and plug out the powerplug (very important!)
 - h. Be sure your BT dongle is connected to the Audioplayer (jack plug and usb cable inserted).
 - i. Insert the USB Stick into the USB Portal of the bluetooth dongle itself (**not** in the USB portal of the Audioplayer)
 - j. Plug-in the powerplug, so you can see the pushbuttons lightrings are working, so you know the audioplayer is On.
 - k. It will now update the Bluetooth Dongle with your MAC address
 - l. Take out the USB Stick from the bluetooth dongle after 1 minute
 - m. Plug-out the power plug of the Audioboard.
 - n. Now take your Bluetooth device which has the same MAC address as you have update on this bluetooth dongle.
 - o. **IMPORTANT:** Please turn of your Bluetooth of your Computer, if your computer is in range of 10 meter, otherwise your speaker/headphone will connect directly with your computer instead of the bluetooth dongle. Switch also other devices OFF which you have use before with your speaker/headphone if they will connect automatically with BT, before you ever used it with the bluetooth dongle.
 - p. Turn ON the Pairing Mode of your Bluetooth speaker/headphone.
 - q. Turn ON the Audioplayer by plugging in the power plug.
 - r. Now the Bluetooth connection will be setup automatically. Some devices will give a beeb when connected, some of them do not give a beeb.
 - s. After approx. 15-45 seconds the bluetooth connection must have been made.
 - t. Press on the pushbutton to activate a music track (be sure the SD Card with MP3 audio tracks is on it, and renamed as 00.mp3/01.mp3/02.mp3 etcetera).
NOTE: Be sure that if you push on pushbutton in portal 1 (GPIO IN 1), that the Bluetooth dongle sits in HP1 portal.
 - u. Now you should hear the track 1 on the speaker / headphone. Press again, you should hear the next track. When track is finished it goes into silent mode.
 - v. You can push up / down the volume with the pushbutton (or on your speaker/headphone).
- Important Note:** Mark this Dongle with a sticker which indicated that this is Dongle is for your device, for example "Headphone Red / Mac address". So you do not mix them up if you program more than one Bluetooth dongle.

Repeat step 5 to update the other bluetooth dongles.

Please also watch our demonstration video on our website, for a how the function works of the Audio with Bluetooth speakers and dongles.

<https://www.jamiepro.com/shop/ac-aud-01-4xbluetooth-audioboard-with-multi-bluetooth-connections-4x-2101?category=20>

APPENDIX 1:

Find MAC- Address from your device with a WINDOWS Computer:

Method 1: Use Windows Settings

- Pair and connect your Bluetooth headphones to your Windows PC.
- Press Win + I → go to Devices → Bluetooth & devices.
- Click your headphone in the device list → select Properties (or “More Bluetooth settings” depending on Windows version).
- Scroll down — some devices will show their Bluetooth MAC address (sometimes called Device Address).

Method 2: Use Device Manager

- Press Win + X → Device Manager.
- Expand Bluetooth.
- Right-click your headphone entry → Properties.
- Go to the Details tab.
- From the Property dropdown, select Bluetooth Device Address (or Hardware Ids if not listed).
- The value shown is your headphone’s MAC address.

Method 3: Use PowerShell

- Open PowerShell as administrator.
- Run:


```
Get-PnpDevice -Class Bluetooth | Format-List -Property Name,InstanceId
```
- Look for your headphone’s name.
- The InstanceId often contains the MAC address (in a format like BTHENUM\DEV_XX_XX_XX_XX_XX_XX... → the XX:XX:XX:XX:XX:XX part is the address).

Method 4: Use Command Prompt

- Connect your headphone.
- Run:


```
getmac /v /fo list
```

- Sometimes Bluetooth devices appear here.
- If not, you may need to use wmic:
- `wmic path Win32_PnPEntity where "Name like '%Bluetooth%'" get Name,DeviceID`
- Then scan for your device's MAC inside the output (similar to PowerShell).

👉 Note: Some headphones hide their MAC address and only Windows sees it internally, so if you can't find it via Settings or Device Manager, PowerShell/DeviceID inspection usually works.