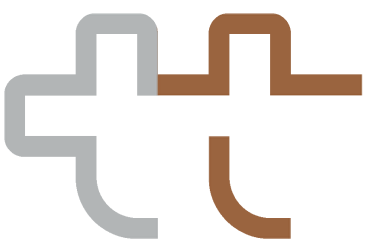


Operation Manual

Virtual Headphones Collection (VHC) Headphone System

Wireless Noise Canceling Stereo Headset / with Build-In Hi-Res DAC Interface

TiTum UHD

Pro Mixing, Anytime, Anywhere!

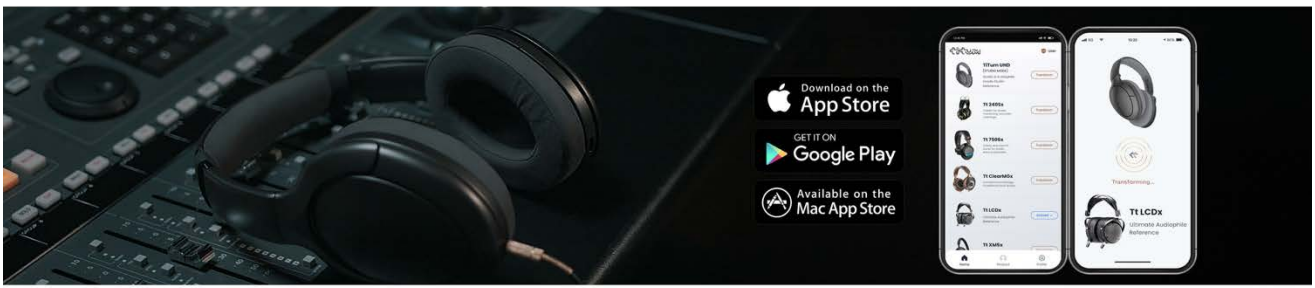
You can download the TiTum App here

The First Headphones Designed with Audio Engineers in Mind

build-in
24/96 Hi-Res
DAC INTERFACE

TiTum
The Most Advanced Studio Headphones

VHC
VIRTUAL HEADPHONES
COLLECTION



Hi-Res AUDIO WIRELESS

Hi-Res AUDIO

Hi-Res Lossless

LDAC

Audio engineers are a unique breed of professionals. They rely on precision, consistency, and gear that simply works in every scenario. TiTum UHD leaves no corner unturned in meeting those demands. With Virtual Headphones Collection (VHC), you can instantly reference your mix across a range of legendary headphone models and environments, all from a single headset. The included macOS app lets you emulate different headphone profiles effortlessly without taxing your CPU, making it ideal for mixing, mastering, referencing, or cross checking in real time, whether in the studio or on the move. Paired with our Virtual Quiet Studio experience, powered by a dedicated ANC driver that isolates external noise without coloring your sound. TiTum creates the perfect monitoring environment, even in unpredictable locations. From a premium analog AUX input[1] with a built-in 1/4" adapter to a mastering grade 24-bit/96kHz DAC Audio Interface, every detail is engineered for the needs of critical listening. TiTum is the first and only headset built entirely around the full workflow of audio engineers.

[1] Refer to the Analog AUX-IN section for features and differences in operation modes.

A build-in Hi-Res 24/96k DAC Interface for the Audiophiles

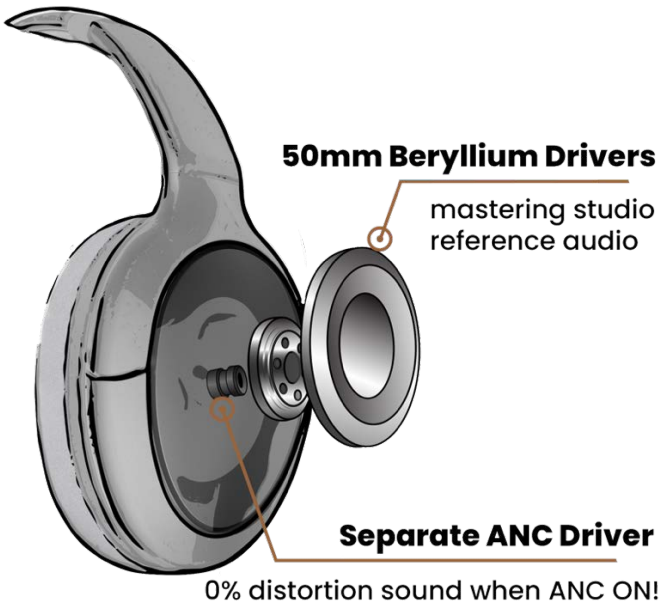
Either you're working as an Audio Engineer on your computer or simply want to enjoy the new generation of lossless audio from Apple Music or Tidal, you'll need a DAC or an audio interface. But why invest in an expensive external DAC or carry around a bulky interface when TiTum has a high-definition DAC Interface built right in?

Just connect with the included USB-C cable, and your device will instantly recognize TiTum as a High-Definition DAC Interface. From there, you'll experience HD audio quality like never before.

Simply put, whether you're on a smartphone, Mac, PC, or in a professional DAW like Pro Tools or Logic Pro, TiTum is seen as a dedicated DAC interface, delivering the best possible listening experience every time.

Virtual Quiet Studio

Noise Cancellation Without Compromising Audio Quality



Active Noise Cancelling (ANC), despite what the name suggests, ANC actually adds more outside noise into your ear, but in polarity inverted. The idea is that two identical sounds, one of them phase inverted, will cancel each other out and create silence. That's how ANC works.

However, this process often alters the sound source, as the same drivers that play your music are also tasked with playing the phase inverted external noise. This is why activating or deactivating ANC can dramatically change the sound source. Some well-known brands even prevent users from turning off ANC, as they have already compensated for the altered sound sources.

So, how did we tackle this problem? We have added second driver, in addition to the main driver, dedicated solely to ANC. The result is a listening experience that remains pure and untouched, even with ANC activated. Our design ensures zero coloration in ANC mode, an achievement made possible only through a custom designed sound chamber. We call this feature Virtual Quiet Studio, designed to give users a sense of quiet, as if they were in a professional recording studio environment.

Our primary objective for ANC is to deliver the purest sound possible. While our ANC may not be the quietest due to the positioning of the ANC driver, we have succeeded in delivering the purest sound while in ANC mode.

Virtual Headphones Collection (VHC)

TiTum's VHC (Virtual Headphones Collection) lets you stress test your mix on a wide variety of headphone signatures and listening environments. Each model emphasizes different frequency ranges, helping you spot details that might otherwise be missed. This not only gives you a more comprehensive tonal reference but also makes it easier for engineers to hear how compression reacts in specific environments, for example, on bass heavy systems, mid focused speakers, or treble pushed consumer devices. By stress testing your mix across these contexts, you can fine tune tonal & dynamics and ensure your work translates everywhere.

TiTum's VHC eliminates the hassle of complex plugin chains that disrupt your workflow, overload your CPU, or cause volume drops that require compensation. With TiTum, the process is simple, streamlined, and entirely hassle-free!

Refer to the section Setting Up TiTum Headphones on Your Computer to set up the TiTum App on your computer.

Hi-Res Bluetooth Connectivity

Enjoy uncompromising audio quality with support for today's most advanced wireless codecs. TiTum UHD delivers true high-resolution audio over Bluetooth, with full compatibility for aptX LL (Low Latency) for seamless video syncing, aptX HD and aptX Lossless for CD and studio quality playback, and the LDAC codec by Sony, trusted by audiophiles worldwide. Whether you're streaming from mobile devices or professional grade sources, TiTum preserves every sonic detail. Certified for both Hi-Res Lossless and Hi-Res Wireless, it's built for serious listeners who demand fidelity without compromise.

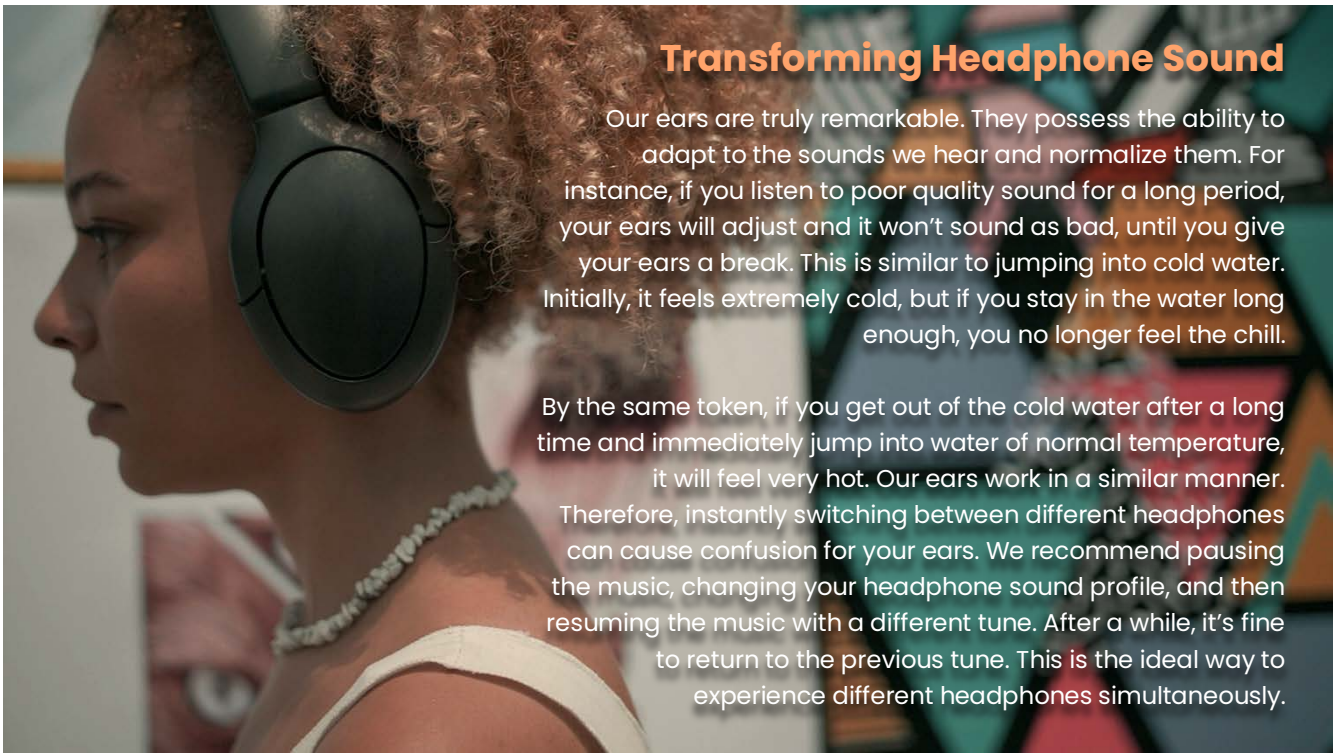
The Most Advanced Studio Headphones

Comparison Chart

Feature	TiTum UHD	Slate VSX	Traditional Studio Headphones
Built-in Audio Interface (DAC)	✅ Yes – built-in 24-bit/96kHz DAC (USB-C), plug & play	❌ No – must rely on external audio interface or DAC	❌ No – must rely on external audio interface or DAC
Environment / Headphone Emulation	✅ Works seamlessly on computer, phone, and tablet : macOS, iOS, and Android.	⚠️ Yes, but only works on computer with plugins support	❌ None
DSP on Headphones	✅ Onboard DSP for instant profile switching	❌ None – processing is computer CPU-based	❌ None
Use on Modern Mobile Devices	✅ All features work on mobile devices with Bluetooth support	⚠️ Limited – needs external DAC, ❌ no emulation mode	⚠️ Limited – needs external DAC
Noise Cancelling for Professionals	✅ Advanced ANC with separate driver [Virtual Quiet Studio], **zero** coloration	❌ None	❌ None

If you want the best mixing and mastering results anywhere, TiTum headphones are built for you.

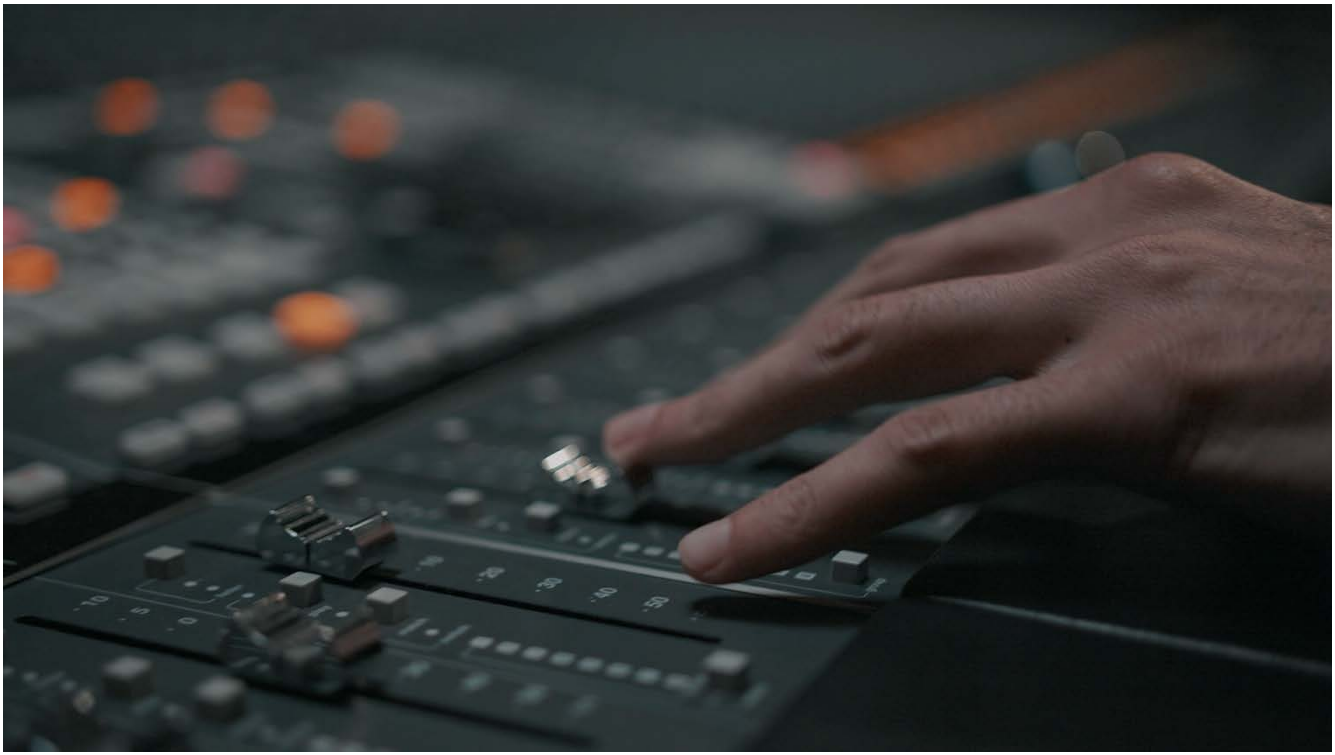
- 50mm Beryllium Drivers: Extended low end down to 20Hz with no drop off.
- Analog Studio Mode: Works like any professional studio headphone.
- Built-In DAC Audio Interface: Hi-Res 24/96 via supplied USB-C cable, no external DAC required.
- TiTum App: Switch instantly between iconic headphones and real-world environments on macOS, iOS, and Android.
- Bluetooth Mode: Connect seamlessly to Mac/PC, phones, tablets, and any Bluetooth device.
- True Studio Grade ANC: Separate driver handles noise cancellation without altering your music, perfect for noisy environments.



Transforming Headphone Sound

Our ears are truly remarkable. They possess the ability to adapt to the sounds we hear and normalize them. For instance, if you listen to poor quality sound for a long period, your ears will adjust and it won't sound as bad, until you give your ears a break. This is similar to jumping into cold water. Initially, it feels extremely cold, but if you stay in the water long enough, you no longer feel the chill.

By the same token, if you get out of the cold water after a long time and immediately jump into water of normal temperature, it will feel very hot. Our ears work in a similar manner. Therefore, instantly switching between different headphones can cause confusion for your ears. We recommend pausing the music, changing your headphone sound profile, and then resuming the music with a different tune. After a while, it's fine to return to the previous tune. This is the ideal way to experience different headphones simultaneously.



Capturing Other Headphones' Sound Profiles

Capturing the sound profiles of other headphones, particularly those with only an analog connection, presents certain challenges. There are numerous factors to consider in order to capture the best potential sound of these headphones. This complexity is further compounded by the variations that can occur between identical models of headphones. For analog-only headphones, the choice of converter, amplifier, or Digital-to-Analog Converter (DAC) can significantly influence the tone of the sound. However, despite these variations in tone, the characteristics of the headphones remain consistent.

Our primary objective in headphone emulation is to capture these unique characteristics, enabling users to experience the distinct qualities of our emulated headphones. It's important to note that while the tone may vary depending on the equipment used, the inherent characteristics of the headphones remain consistent.

TiTum's Features

cutting edge features to give you a truly unique listening experience

TRULY TRANSFORM ® Technology

Premium Analog Aux-In

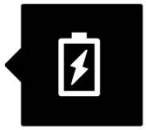
15 Meters Range

Build-In Hi-Res 24/96k DAC for Audiophile

Bluetooth 5.3

Separate ANC Driver for 0% Distortion Audio

Extra Long Battery Life

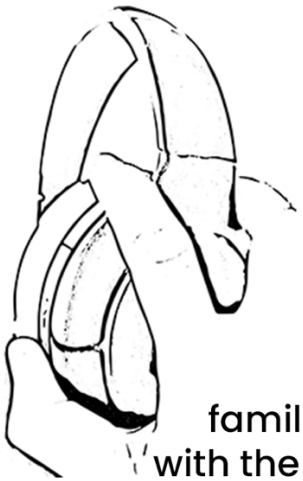


Controlled via Mobile APP

Super Large Beryllium Drivers

Hi-Res Lossless Audio

Quick Setup



familiarize yourself
with the arrangement
of the buttons
on our TiTum headphones.

Bluetooth Paring

(from power off)

press and hold
Power/Bluetooth button
for 5 seconds to directly
enter paring mode

(LED flash blue/red)

(hold Power button 3 seconds
to turn off TiTum headphone)

Active Noise Cancelling

press ANC button to toggle
between ANC/ambient mode

hold ANC button 1 second
to turn off ANC/ambient

Volume Control

press for volume up

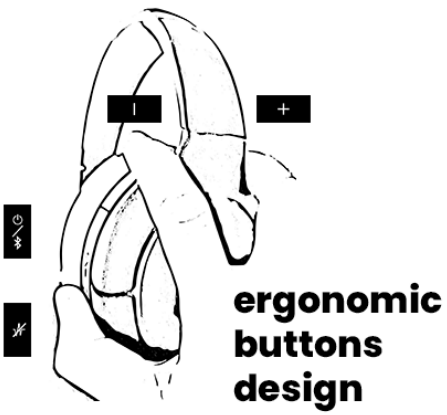
hold 1 second
for next track

press for volume down

hold 1 second
for previous track

Function Guidance

Button	Operation	Function
⏻/✱	Long Press 2 Seconds	Power On
⏻/✱	Long Press 2 Seconds	Power Off
⏻/✱	Long Press 5 Seconds (from power off)	Bluetooth Pairing Mode
⏻/✱	Double Click	Siri/Google Voice Assistant
⏻/✱	Short Click (music playback)	Play / Pause
⏻/✱	Short Click	Answer Calls
⏻/✱	Short Click (during call)	Hang Up
✱	Short Click (when ANC off)	Turn On ANC
✱	Short Click (when ANC on)	Toggle Between ANC/Ambient
✱	Long Press 2 Seconds	Turn Off ANC/Ambient
+	Short Click	Vol +
+	Long Press 1 Second (music playback)	Next Track
−	Short Click	Vol -
−	Long Press 1 Second (music playback)	Previous Track
+ − ✱	Long Press 5 Seconds	Bluetooth Paring / Factory Reset



Connecting your TiTum headphones

Our TiTum headphones support three connection modes

1. Bluetooth

Follow the instructions in the Function Guidance to connect the headphones to your device.

2. Build-In DAC Interface

Use the included USB-C cable to connect the headphones to your device (Phone – Mac – PC), just like you would with an external DAC. Select '**TiTum UHD DAC**' as the playback device to enjoy true Hi-Res audio.

3. Analog AUX-IN

TiTum's headphones will switch to **'ANALOG'** mode when you use the provided 3.5mm cable to connect them to your analog source. Refer to the Analog AUX-IN section for features and differences in operation modes.

*"Always connect the **L-shaped cable** to the **headphone side** for both Analog and USB connections. This design helps prevent cable interference during use and reduces noise caused by the cable rubbing against the user's shoulder."*

Setting Up TiTum Headphones

Load the TiTum App

Download and Log In as VIP to the **TiTum App** from the **macOS App Store**, **iOS App Store**, or **Google Play Store**

- Search for "TiTum". The App icon looks like this:
- Register and Sign Up as a VIP to access all headphone profiles in the App.
- Your VIP Code is located under the packaging box sleeve labeled "TiTum VIP Code".
- Follow the Sign Up procedure from the App to complete registration.
- If you encounter any issues with VIP registration, please contact us at support@titumaudio.com

After logging in as VIP successfully, **please close the app**.

Connecting TiTum Headphones to the TiTum App (Bluetooth)

TiTum's profile switching feature works via **Bluetooth**. Here's how to connect:

- Make sure you've already installed the TiTum App, logged in as VIP, and closed it (as described above).
- Enable **Bluetooth** in your Mac settings.
- From Headphones **Power Off**[2], press and hold the **Power** button for 5 seconds until you hear both "**TiTum On**" and "**Bluetooth Pairing Mode**". The LED will flash red and blue.
- On your device/computer, connect to **"TiTum UHD BT"** from the device list.
- Reopen the TiTum App and approve any permission requests to connect to nearby devices.

Now you're ready to enjoy **profile switching** via Bluetooth. The App Widget also shows which listening profile is active.

---

[2] This is the first time pairing process. Once pairing is successful, simply turn on the headphones next time and they will connect automatically.

For Critical Listening (Audiophile, Mixing & Mastering Engineers)

For Audiophiles or Audio Engineers working in a DAW, use TiTum's **built-in DAC Interface**:

- Connect the headphones to your device/computer using the included **USB-C/A cable**.
- Power on the headphones (hold Power button for 2 seconds) if not already on.
- **FOR COMPUTER** - Select **"TiTum UHD DAC"** from the sound device list (accessible via the speaker icon in the menu bar).
- **FOR SMARTPHONE & TABLET** - "**TiTum UHD DAC**" will be selected automatically.

Once connected, the **DAC Interface** is recognized as an **Audio Device** for DAWs, smartphones and tablets. To set up, please refer to the instructions at the end of this manual **[How to connect the headphones' built-in DAC to my computer or phone (USB-C) and function as a DAC Audio Interface].**

"You're now ready to experience TiTum headphones Truly Transform® your sound, anywhere."

Analog AUX-IN Operation & Features

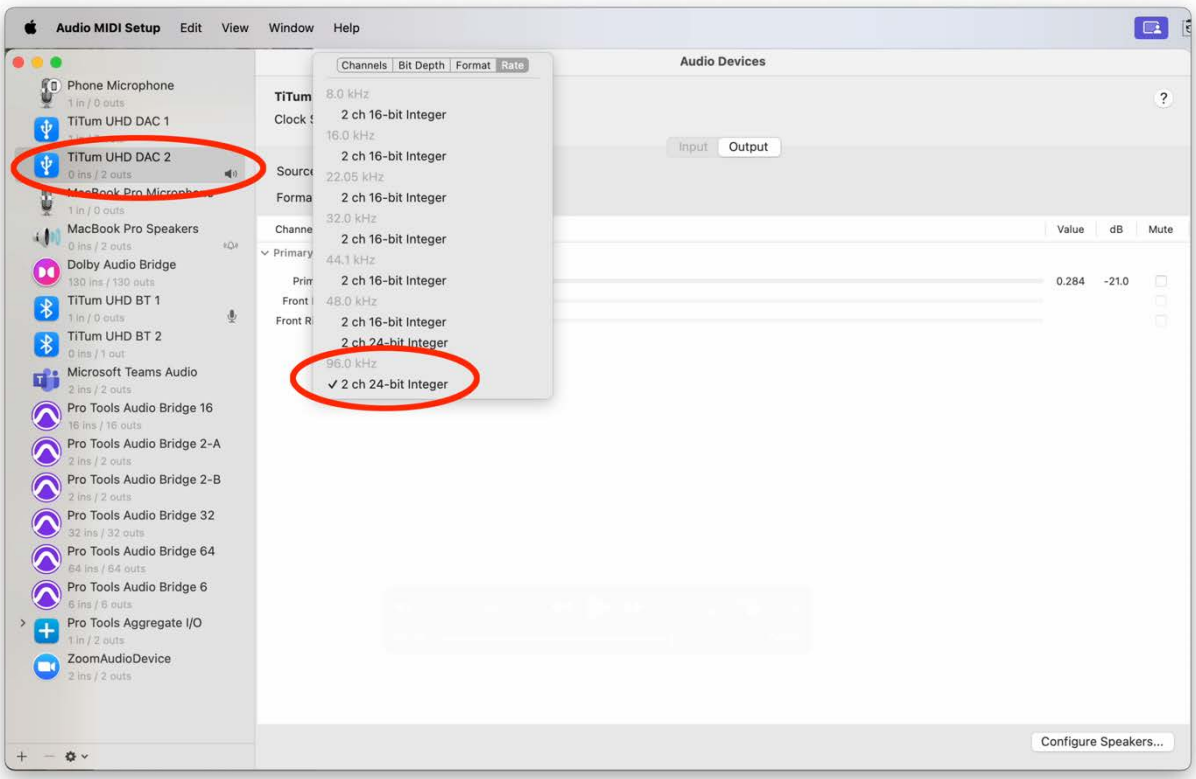
ANALOG MODE	Insert Analog AUX-IN while Power Off (Passive Mode)	Insert Analog AUX-IN while Power On (Active Mode)
Bluetooth **TiTum App**	Disable	Disable
ANC	Disabled（ANC button is inactive)	Enabled（Refer to Quick Setup for ANC control)
Power **Volume +** **Volume -**	Disable	Disable
Profile Lock	No. Headphones default to “TiTum Basic” profile only	Yes. The most recently selected profile is retained in this mode
Use Case Scenarios	• Live sound engineers • Use with a high-gain headphone amp • Audiophiles with external premium gear who want full use of their equipment	• Airplane in-flight entertainment with ANC active (e.g., Movie & Game profile) • Listeners who want to use Analog AUX while also keeping ANC enabled
Remarks	Easiest and fastest way to use the headphones. Just plug in the AUX cable and use them like traditional studio headphones.	• Extended use over many days may deplete the battery. • If no analog signal is present for a while, headphones switch to Passive Mode. To return to Active AUX, unplug AUX, power on, and re-insert.

“Do not use the analog AUX-IN while charging. The AUX input is designed to provide a clean audio signal, but USB charging may introduce interference.”

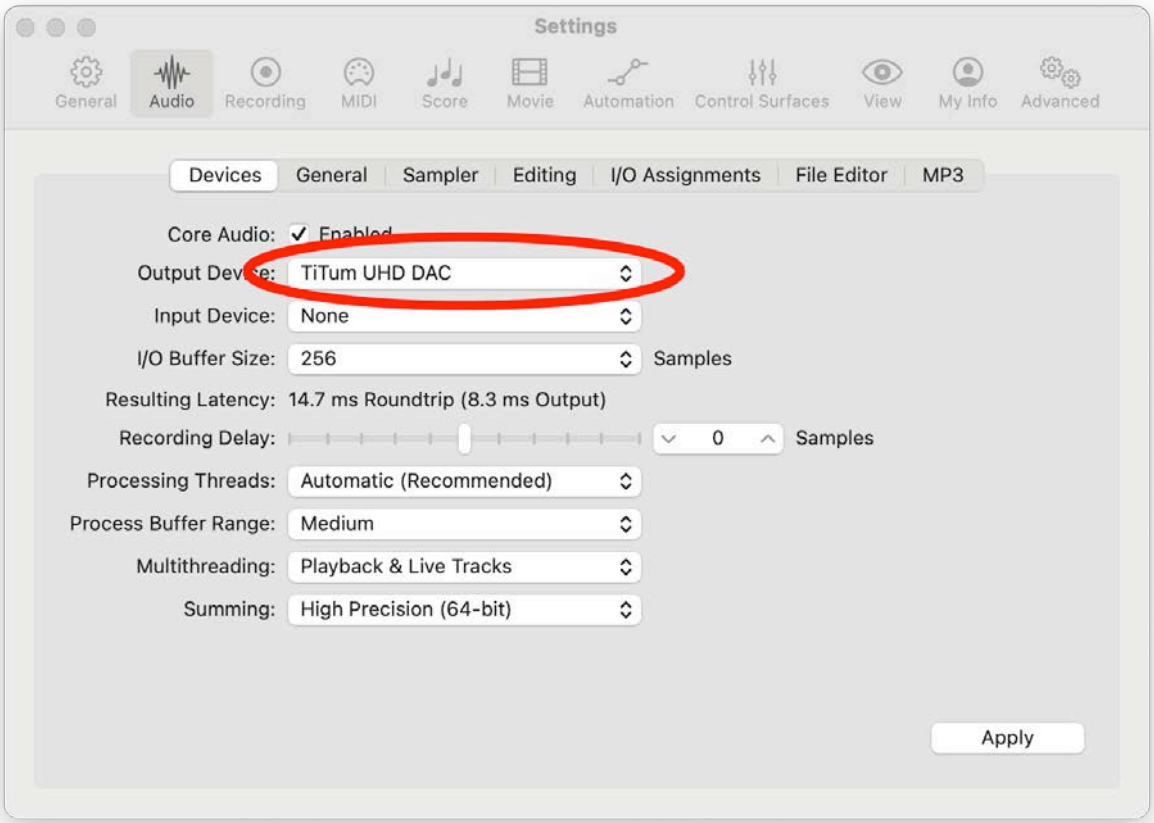
How to connect the headphones' built-in DAC to my computer or phone (USB-C) and function as a DAC Audio Interface

The built-in DAC interface device for the headphones is named 'TiTum UHD DAC'. Simply connect the headphones to your computer using the provided USB-C cable and select the 'TiTum UHD DAC' as the output device. Follow these specified settings for each application.

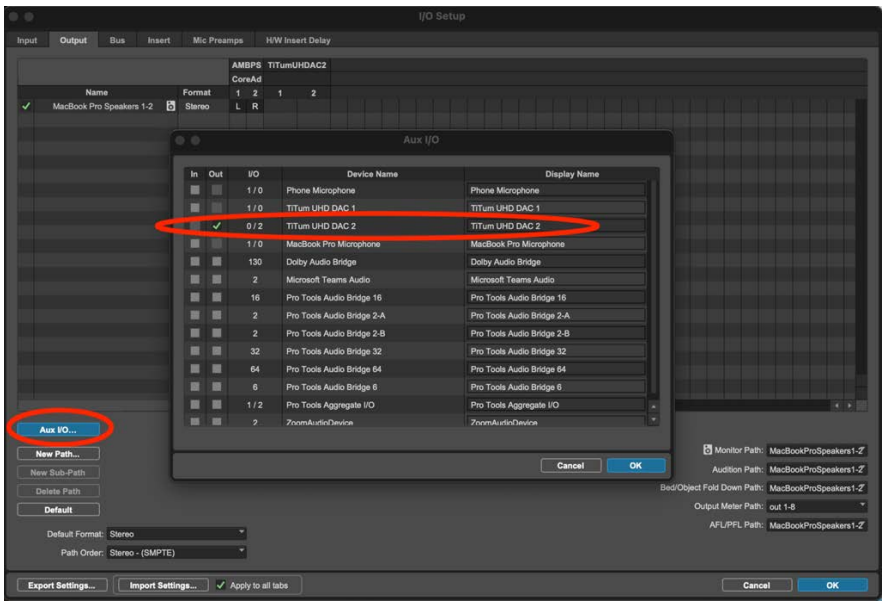
Adjusting Sampling Rate on macOS (Audio MIDI Setup)

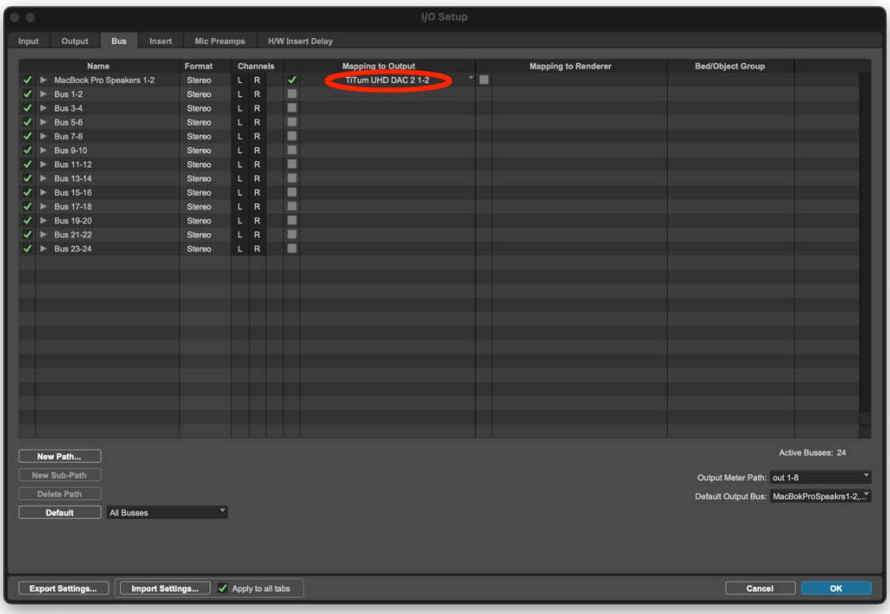


DAC Interface Configuration on Logic Pro



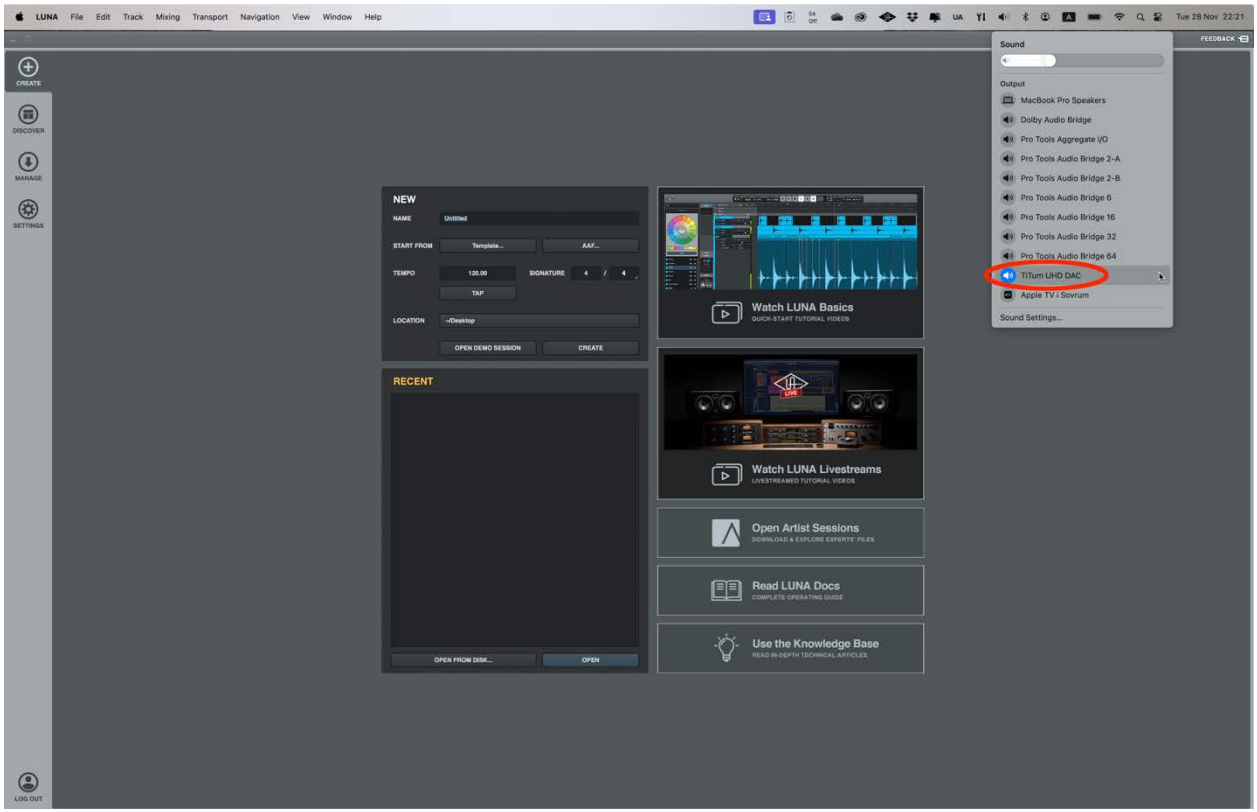
DAC Interface Configuration on Pro Tools (via AUX I/O)



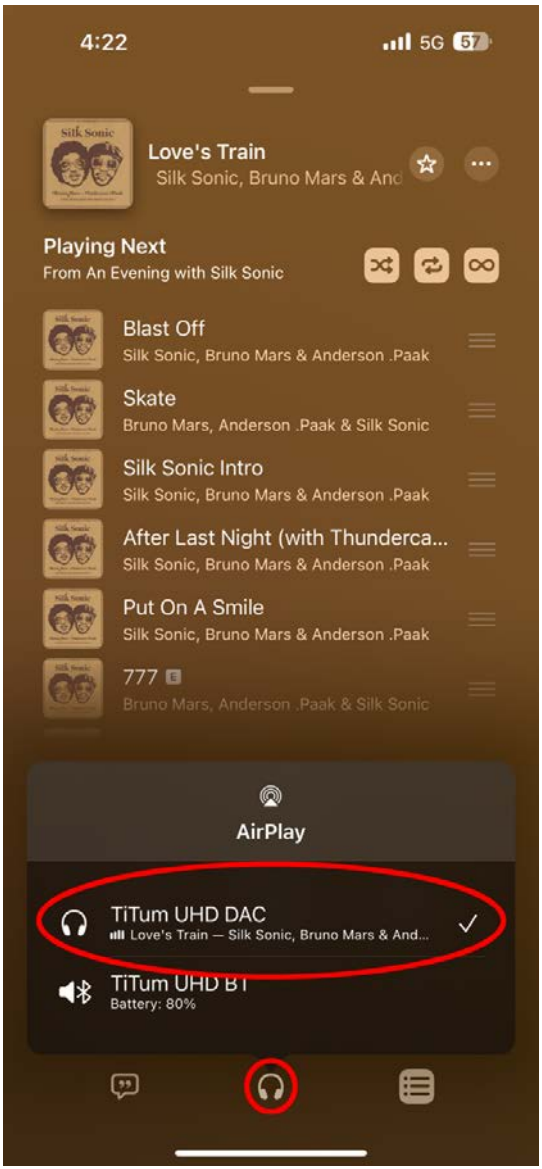


Please note that Pro Tools does not automatically adjust the sampling rate of the audio device to match the project sampling rate. You must manually change the headphones' sampling rate in Audio MIDI Setup to match the project sampling rate in Pro Tools.

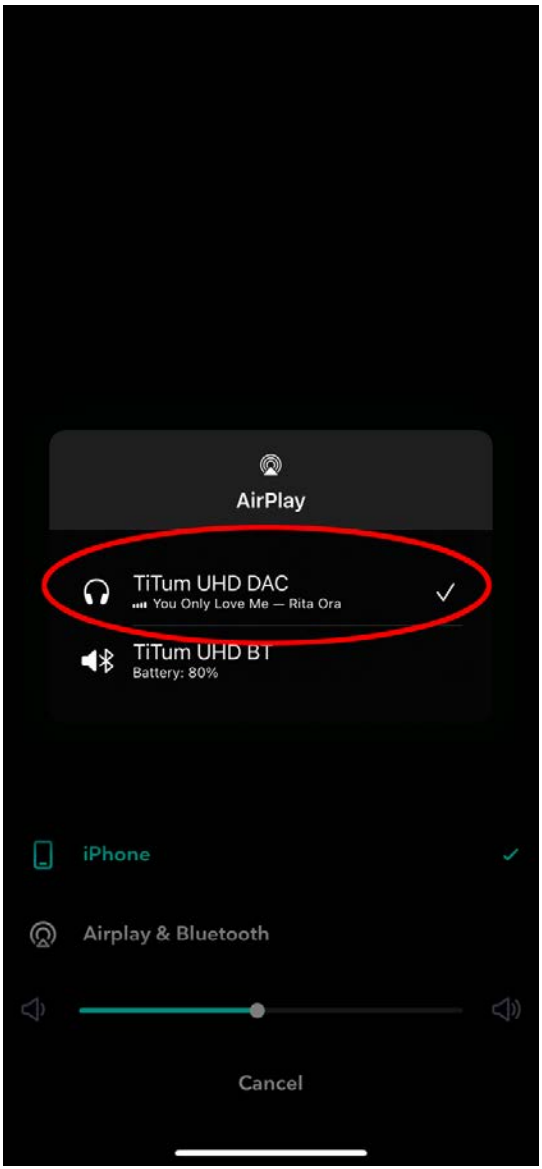
DAC Interface Configuration on LUNA



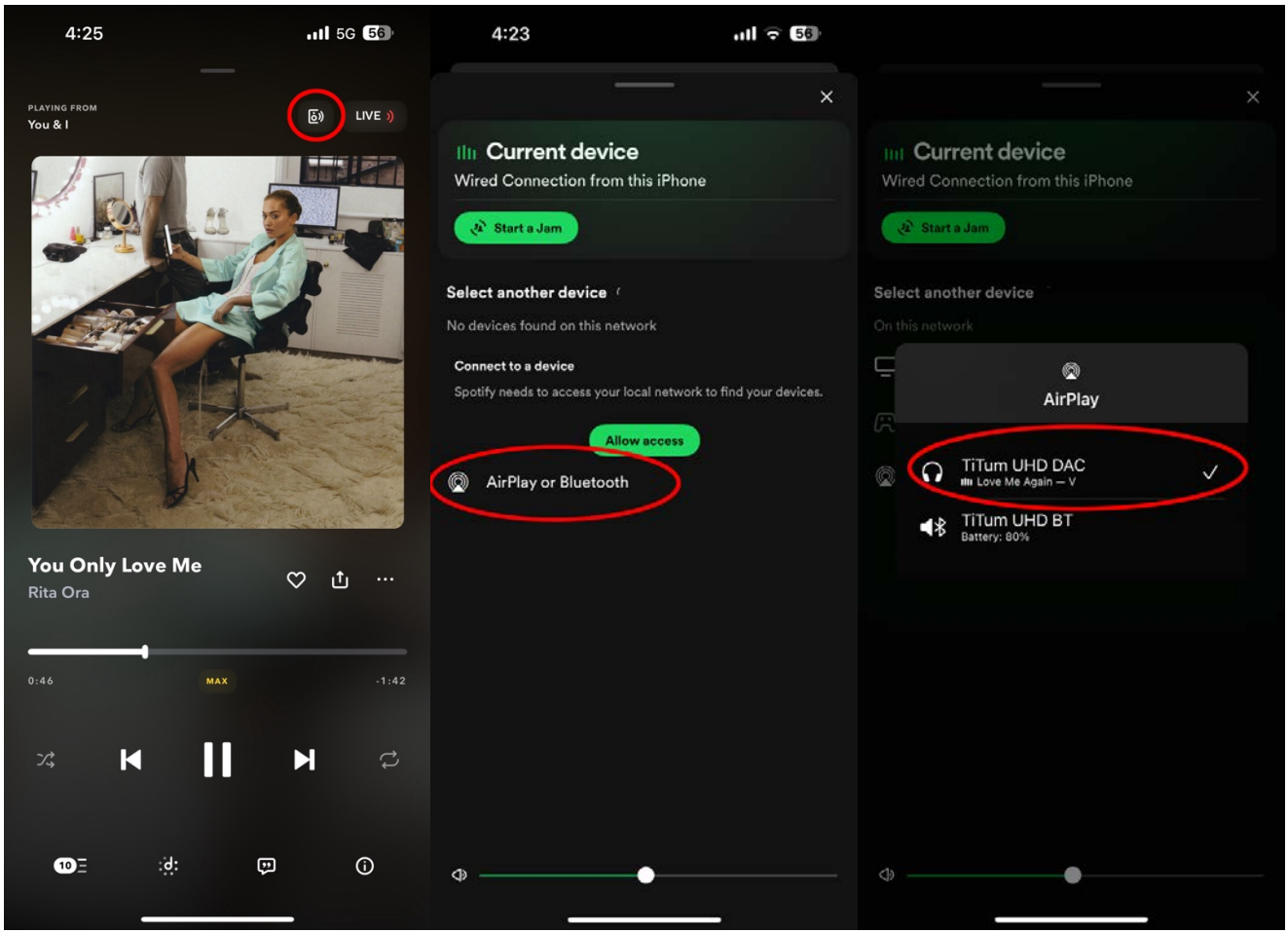
Apple Music



TIDAL



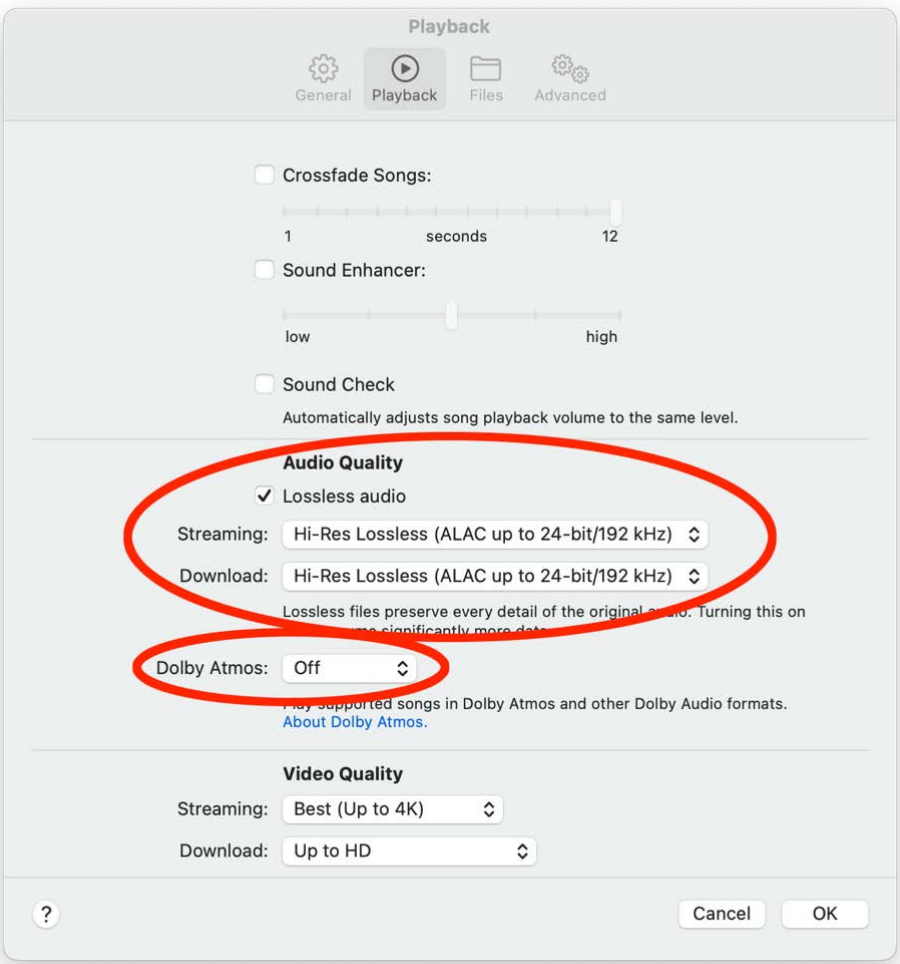
Spotify

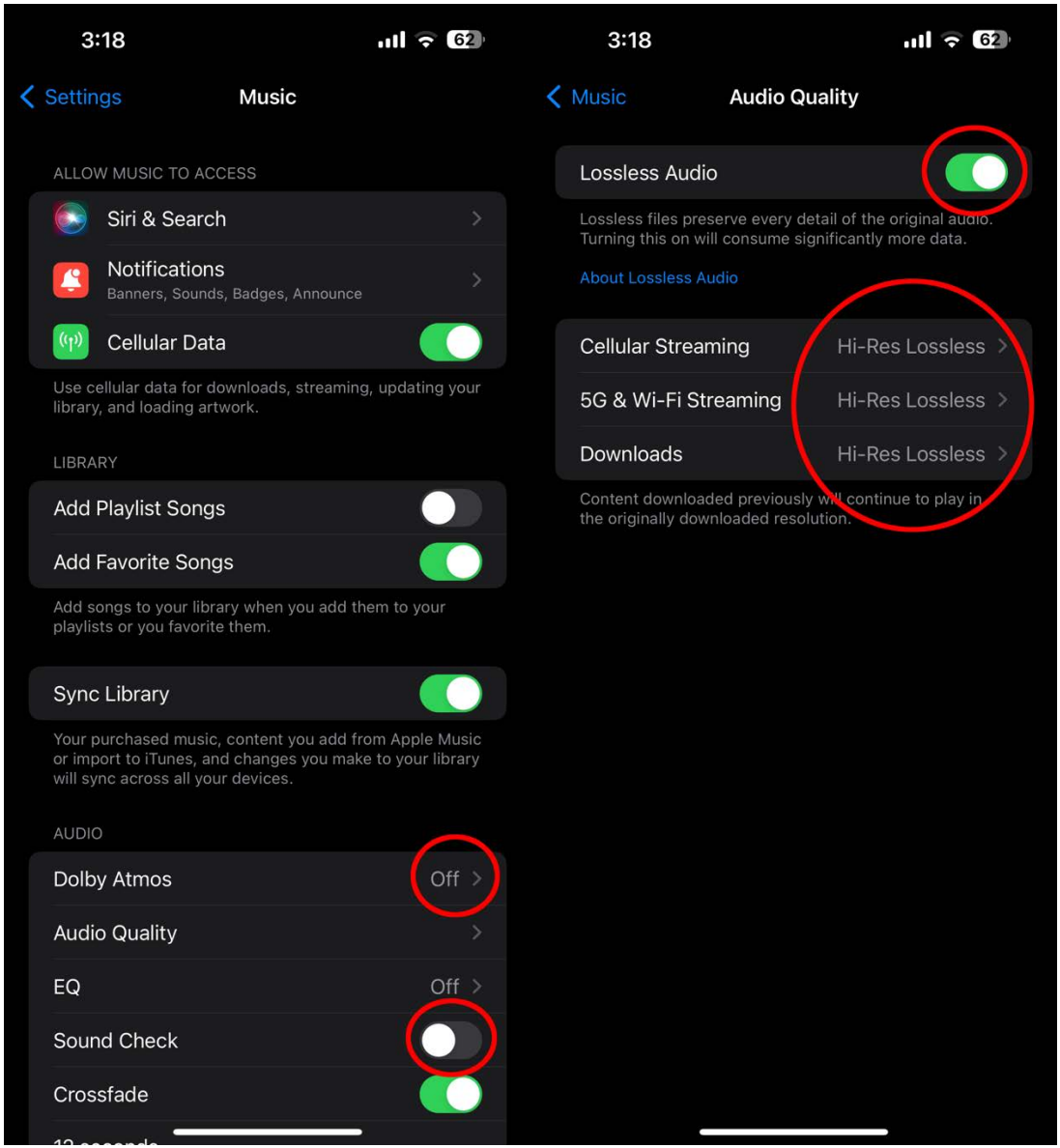

4:25
5G
PLAYING FROM
You & I
LIVE
You Only Love Me
Rita Ora
0:46
MAX
-1:42
4:23
Current device
Wired Connection from this iPhone
Start a Jam
Select another device
No devices found on this network
Connect to a device
Spotify needs to access your local network to find your devices.
Allow access
AirPlay or Bluetooth
Current device
Wired Connection from this iPhone
Start a Jam
Select another device
On this network
AirPlay
TiTum UHD DAC
Love Me Again — V
TiTum UHD BT
Battery: 80%

Optimize your Music App with Advanced Settings

Leading music apps often employ level match algorithms to standardize the loudness of each song, ensuring consistent volume across various tracks from oldies to modern hits. However, this can compromise the dynamic range and overall audio quality. To preserve optimal sound quality, we recommend **disabling volume management features** in your Music App settings and adjust the music streaming settings to Hi-Res (if applicable) for an optimal audio experience when used in conjunction with our built-in DAC Interface.

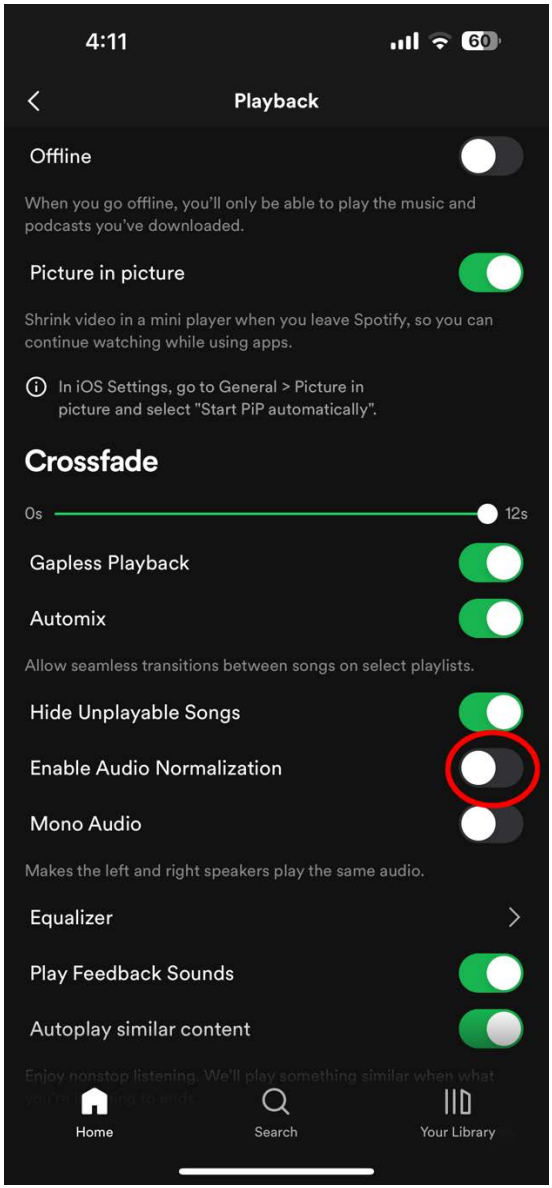
Apple Music



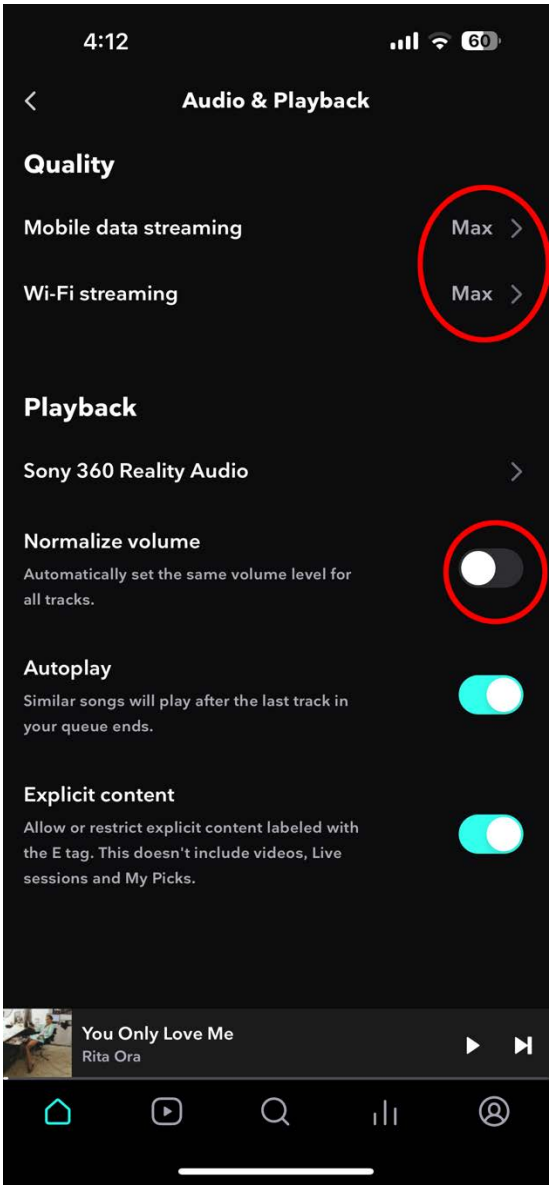


It is currently recommended to keep Dolby Atmos set to 'Off' as the industry has not fully optimized tools and methods for achieving the highest quality Dolby Atmos Music in most songs. You can enable it for specific songs or artists if desired.

Spotify



TIDAL



Troubleshooting

TiTum App is unable to change the profile (option grayed out)

Please make sure to follow these steps:

Sign in to the TiTum App as a VIP.

- Confirm that the VIP badge is visible after logging in.
- If you have forgotten your login information, reset your password.
- For further assistance, contact us at support@titumaudio.com if you are unable to log in as VIP.

Force close the TiTum App.

- After successfully signing in as VIP, force close the app.
- If you are unsure how to force close an app, please search online for instructions

Verify Bluetooth connection.

- Ensure your device is connected to the headphones via Bluetooth.
- The Bluetooth device name will appear as **"TiTum UHD BT."**
- If connection fails, unpair/forget the headphones from your device and reconnect.
- For detailed steps, refer to the section TiTum App is unable to recognize TiTum Headphones in this manual.

Reopen the TiTum App.

- When prompted, allow all permissions required to connect with nearby devices.
  You should now be able to access all profiles in your TiTum App.

If the issue is related to Bluetooth, follow these steps to fix the connection

Preparation Steps:

- Ensure that the TiTum App is installed on your iPhone/Android and that you are signed in with VIP status. This is crucial for the process.
- Force Close the TiTum App.
- Navigate to the Bluetooth settings on your iPhone/Android and unpair 'TiTum UHD BT' from your device.
- Restart your phone.

Headphone Steps:

- Turn on your headphone.
- Reset the pairing on your headphone. To do this, press and hold the Volume +, Volume -, and ANC buttons simultaneously for at least 5 seconds but not more than 12 seconds.
- Check for a flashing Red/Blue LED light on your headphone, which indicates that the reset was successful.

Pairing Steps:

- Open the Bluetooth settings on your iPhone/Android.
- Initiate the pairing of new devices.
- Select 'TiTum UHD BT' from the list of available devices to connect.
- Once connected, open the TiTum app.

If the problem still occurs after following the steps above, it might be due to the permission settings on your device. To fix this, please follow these steps:

- Uninstall the TiTum app from your device.
- Reinstall the TiTum app from the Google Play / Apple App Store.
- Launch the TiTum app and sign in with your VIP account.
- When the app asks for permission to access nearby devices, tap on "Allow".

This should resolve the issue and let you enjoy the TiTum app features.

Headphone freezes up

- Charge your headphone (red light turns solid. The blue light indicates a full charge)
- Reset your headphone to factory settings. To do this, turn on your headphone, then press and hold the Volume +, Volume -, and ANC buttons simultaneously for at least 5 seconds but not more than 12 seconds.

Built-in DAC Interface not recognized by Computer/Device

The built-in DAC Interface for the headphones is named 'TiTum UHD DAC.' Simply connect the headphones to your computer or device using the provided USB-C cable and select the 'TiTum UHD DAC' as the output device.

For more information on using with Streaming Apps or Computer DAWs (Logic Pro, Pro Tools, LUNA, etc.), see the detailed settings section at this manual.

Headphones fail to function when an AUX cable is connected [ANALOG MODE]

When an AUX cable is connected, TiTum headphones automatically switch to ANALOG mode. In this mode, Bluetooth connectivity and button functions are disabled, replicating the behavior of traditional analog studio headphones.

The Audio Profile from the most recently used setting is retained when powering on. Please make sure to select your preferred headphone profile before connecting the AUX cable.

In Analog AUX-IN active mode, ANC (Active Noise Cancelling) remains available. This allows you to use ANC while listening via AUX, for example, when using in-flight entertainment or similar situations.

Please refer to the Analog AUX-IN section for features and differences in operation modes

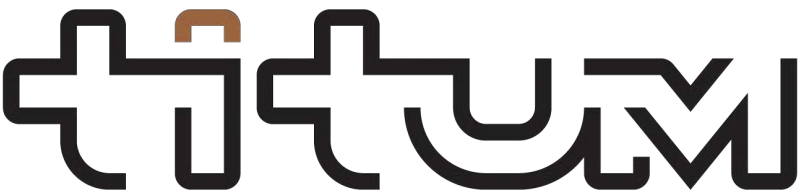
Headphones won’t charge

Since chargers and cables vary, we recommend using the supplied cable to ensure reliable charging. If the headphones do not charge with our cable, you may need to try a different charger.

Static noise with 3.5mm jack [Analog AUX-IN]

- Use only the supplied cables for AUX connections. They are specifically designed to meet the exact specifications required for optimal performance.
- Do not use the analog AUX-IN while charging. The AUX input is designed to provide a clean audio signal, but USB charging may introduce interference.

Headphones volume too low

Our headphones provide very high-volume gain, even if they are not the loudest on the market. In very rare cases, such as switching between devices or using the built in DAC interface, the volume control may lose synchronization with the device. If this happens, follow these steps:

- While music is playing, press the Volume + button repeatedly (do not hold) until you hear the “Max Volume” prompt tone.
- Turn off the headphones after hearing the “Max Volume” tone.
- Power the headphones back on. The low-volume issue should now be resolved.