



madVR Envy

Apple TV Setup Guide

<https://madvrenvy.com>

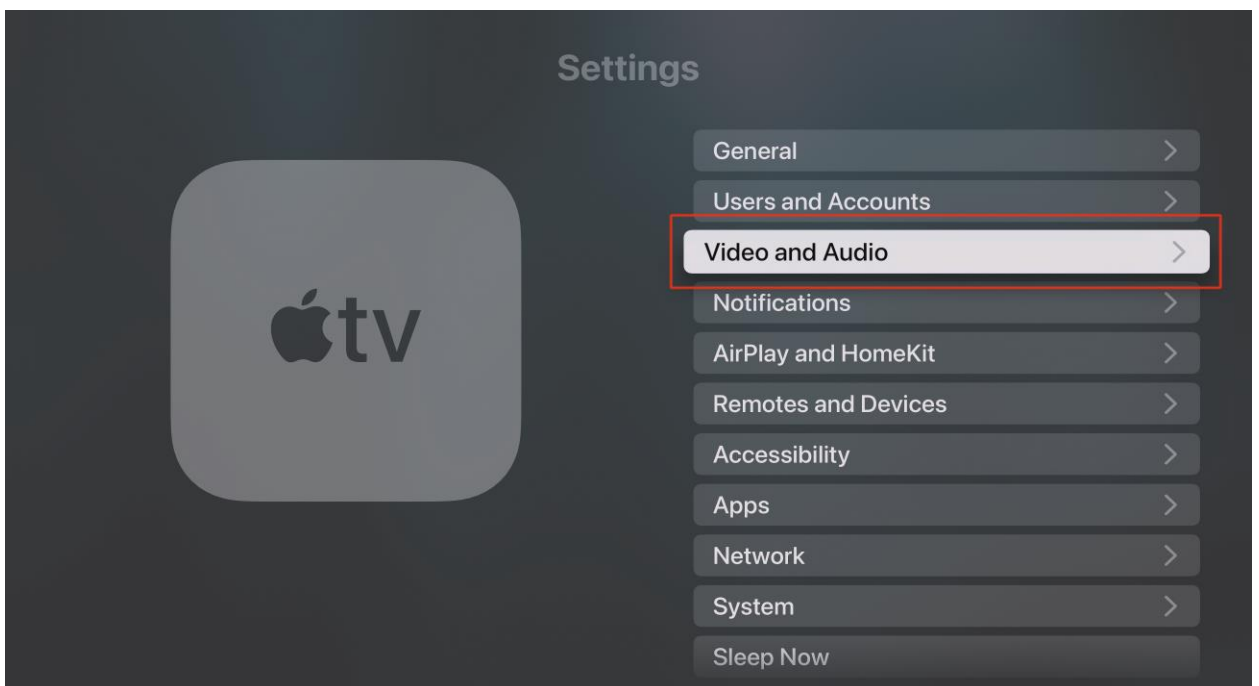
Revision 2.0

Apple TV Setup with the Envy

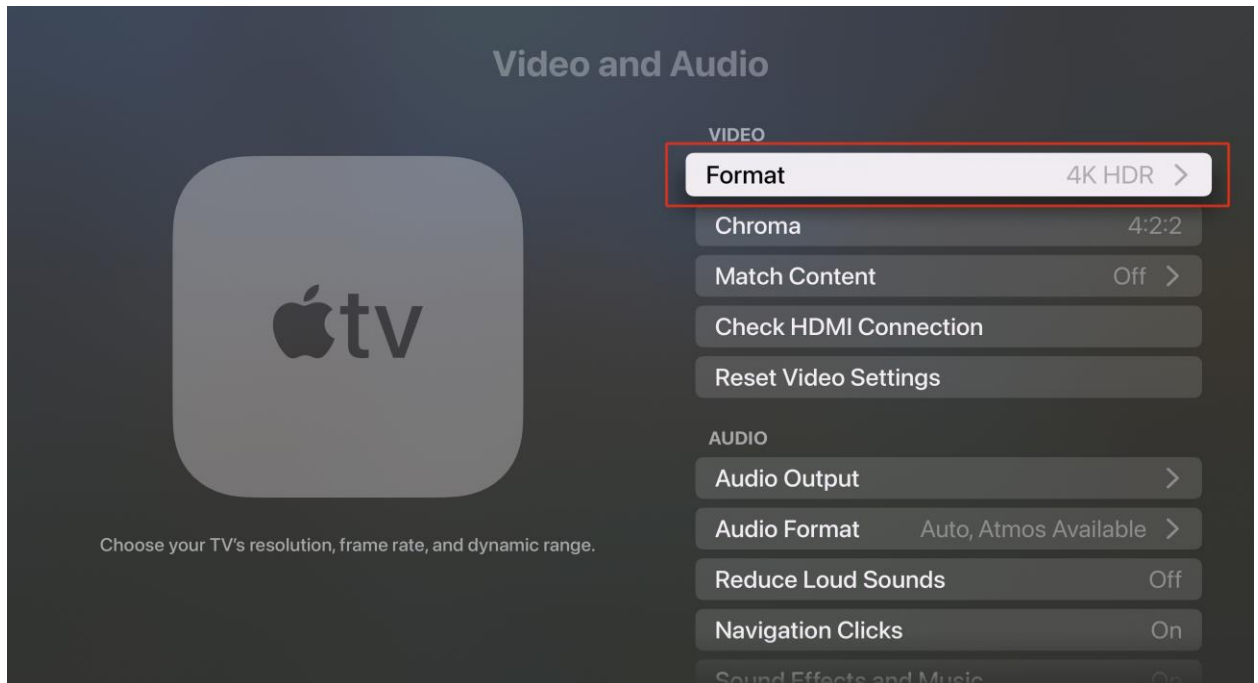
Please follow these instructions to setup your Apple TV for optimal playback with the madVR Envy. Click the **gear icon** on your Apple TV to access the Apple TV settings, and let's get started!



1. Select the **"Video and Audio"** option from the main Settings menu.



- Click on the **“Format”** option. Important - Even if this option already shows that **“4K HDR”** is selected (as pictured below), you must still click on it and make the changes shown in step 3.



- Scroll through all the **“Format”** options until you get to the end of the list. There you will find **“Other Formats”**. Please select that option.



4. Choose the Best Video Format For Your Needs

Before choosing the specific output format, there are a couple of considerations to work through. The best choice depends on two things: whether you watch YouTube TV (or other 60fps content) on the Apple TV, and whether you watch more HDR vs SDR material.

If you do NOT watch YouTube TV, YouTube, or other 60fps sports/broadcast content on the Apple TV:

Set the default to one of the 23.976Hz options listed below. This typically produces faster HDMI handshakes when switching between the Apple TV menu and movie content, and in some cases can eliminate the handshake entirely. Scroll down the **Other Formats** list and select:

- 4K HDR 24 (23.976Hz) if you tend to watch more HDR content than SDR
- 4K SDR 24 (23.976Hz) if you watch more SDR content than HDR



Select OK to confirm the setting after the HDMI resyncs. Then return to the main Video and Audio Settings page.

Or, if you watch YouTube TV, YouTube, and other 60fps content on the Apple TV:

There is a known Apple TV bug that affects certain apps when the default format is set to a 23.976Hz option. Apps like YouTube TV and YouTube fail to upconvert from 23.976fps to 60fps when playing 60fps sports or broadcast content. Even with Match Frame Rate enabled, the Apple TV keeps sending 60fps content at 23.976fps, which causes heavy judder and stuttering on live sports, broadcast, and other 60fps material.

Importantly, this is a one-directional bug: these apps fail to convert up from 23.976 to 60fps, but frame rate matching works correctly in the other direction (starting from a 60Hz default, the Apple TV properly down-converts to 23.976fps for movies).

The solution:

If you watch this kind of content, set the default to 59.94Hz. Specifically:

- 4K HDR 59.94Hz if you typically watch more HDR content than SDR
- 4K SDR 59.94Hz if you watch more SDR

With Match Frame Rate and Match Dynamic Range both enabled (covered in the next step), this ensures 60fps content plays correctly at 60fps by default, and movies still properly switch down to 23.976fps.

The only tradeoff is a brief HDMI resync when switching from 60fps content to a 24fps movie. For most users, this is a much better compromise than constant stuttering during sports and broadcast content.

Note: This is entirely an Apple TV / app-level issue. No Envy setting or feature (including MotionAI) can correct it, because the source is sending the wrong frame rate. The fix must be at the Apple TV source.

A note on what the default format setting does:

Regardless of which default you choose, your movies will still play back at their original frame rate (e.g. 23.976, 50p, 60p) and as SDR or HDR as intended, thanks to the Match Content settings in the next step. The default format primarily affects the Apple TV user interface and menus, which in turn determines HDMI sync behavior when transitioning in and out of content.

Caution: 23.976Hz Vs 24Hz, 59.94Hz Vs 60Hz

The Other Formats list also contains “4K HDR 24 (24Hz)”, “4K SDR 24 (24Hz)”, “4K HDR 60 (60Hz)” and “4K SDR 60 (60Hz)” options. Do NOT mix these up with the 23.976Hz and 59.94Hz options. 24Hz and 23.976Hz are different frame rates, as are 60Hz and 59.94Hz. Please be sure to select either 23.976Hz or 59.94Hz based on the above, and not the 24Hz or 60Hz versions, accordingly.

5. From the main Video and Audio settings page, select “**Match Content**”. Then set both “**Match Dynamic Range**” and “**Match Frame Rate**” to **On**.

See screenshot on next page.



Setting **Match Dynamic Range** to **On** ensures that the Apple TV outputs SDR when the content is SDR, and outputs HDR when the content is HDR - regardless of the setting choice you made in Step 4. **Setting Match Frame Rate** to **On** ensures that it outputs the original frame rate, also regardless of the choice in Step 4.

Warning: Upon exiting the menu, Apple TV will save your settings, and these will be your new defaults, even across power cycles. However, if you change any equipment (in technical terms, if you do anything to change the EDID that Apple TV sees), the Apple TV will revert all your carefully chosen settings back to its system defaults! Therefore, if you ever change your AVR or introduce new equipment in the HDMI signal path, please recheck your settings to make sure Apple TV did not revert your changes.

This completes the setup of the Apple TV with your Envy. Please enjoy some great content from your Apple TV, now optimized perfectly for your Envy!