madVR Envy

Introduction to Profiles

Revision 1.02

Introduction

Welcome! This document provides a high-level overview of the Envy profile system. It is intended to get you started quickly, by touching on just the basics. For a comprehensive understanding of the profile system, please see the Envy Profile User Guide.

What are Profiles?

Profiles are used to set, and later recall, a group of settings that you want applied for a particular purpose. For example, when you watch a movie at 1080p, you may want different settings than when watching 4K. Or when you watch your Oppo player, you may want different settings than when you watch your Apple TV.

The Envy Menu System

To understand how profiles work, consider that Envy's menu system consists of several individual menu pages grouped by function, each of which that contains its own settings. For example, the "HDR Settings" menu page contains settings for your HDR processing preferences, while the "Upscaling & Sharpening" menu page contains settings related to upscaling and sharpening.

Shown below is an example of the Upscaling & Sharpening menu:

Profiles – A Custom Group of Menu Settings

Profiles provide an efficient way to group individual menu settings together, even settings from different menu pages, to override just those settings. For example, a profile can override settings from both the "Upscaling & Sharpening" and the "HDR Settings" menu. Profiles make it possible to apply all desired settings at once for any purpose, simply by activating the profile.

To summarize, profiles are just a collection of one or more menu pages, with one or more customized settings in those menu pages, that overrides those settings only when activated, and without impacting any other settings.

Predefined and Custom Profiles

Several predefined profiles are provided, including ones activated automatically based on the properties of the incoming video signal. For example, there are predefined profiles based on the signal's resolution, aspect ratio and colorimetry. You can also create custom profiles and organize them into Profile Groups. Custom profiles can be activated manually or with a control system. The following shows the predefined profiles for the incoming video signal:

Meet the Profile Bar

At the bottom of every Envy menu page is the Profile Bar (highlighted below in yellow). It contains selections for Base Settings, any profiles that menu page is a part of, and the Active Settings.

Base Settings and Active Settings

Base Settings are where all default values are set. Base Settings are overridden by settings in activated profiles or by temporary settings you set manually. See Appendix A for how profiles override these settings. Active Settings, selectable in the Profile Bar, show the settings currently in use, once settings from any activated profiles, and any temporary settings, are applied.

Any changes made to the Active Settings are applied immediately and are temporary. Temporary settings revert whenever there is an HDMI signal change, or the Envy is turned off or restarted, unless saved to the Base Settings or to a profile. We show an example of this later in the document.

Menu Tags

BASE, TEMP, and PROF tags appear in menu pages when "Active Settings" is selected in the Profile Bar. BASE indicates the setting is derived from the Base Settings. It will also contain AUTO if the BASE is set to AUTO, meaning that the Envy will automatically select the best value for your

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circumstances. TEMP indicates the setting was manually changed in the Active Settings and is only active temporarily. PROF indicates the setting is coming from an activated profile. To determine *which* profile is the one overriding the value, scroll through all profiles in the Profile Bar until you find a profile or profiles that show SET for that setting.

SET and THRU appear only when profiles are selected in the Profile Bar. SET indicates that the selected profile sets the setting. THRU indicates that the profile does not override that setting, and therefore the Base Settings, or any active profiles which set that setting, will simply be "passed thru" the selected profile. AUTO will also be shown with the THRU tag when the value being passed through is from a BASE setting which is set to AUTO.

Adding and Removing Profiles and Profile Groups

You can add and remove menu pages to profiles using the Green and Red buttons on the Envy remote, when the Profile Bar is highlighted. There are also other options assigned to the remote buttons, which are context sensitive. The legend in the Envy Context Sensitive Help window always shows what actions the colored buttons perform.
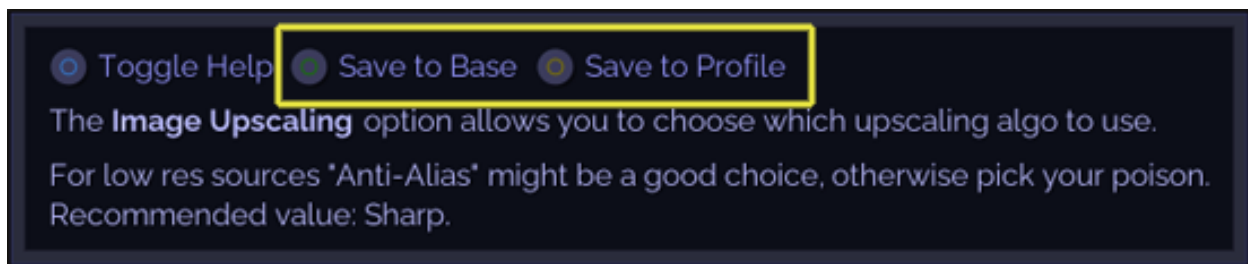
The Envy Profile Menu

The Envy Profile Menu is used to create, manage and activate custom profiles, profile groups, "Source Devices" profiles and "Displays" profiles. **You access the Profile Menu by pressing the Profile button on the Envy remote** (the button with the two overlapping squares on the MK2 backlit remote, and the button with the square and arrow on the MK1 remote).

Tip: The Envy does not provide "hunt and peck" keyboard entry with the remote control. Therefore, to customize the names of profiles and profile groups, please attach a keyboard to one of the USB ports on the rear of the Envy.

Quick Example

In this example we will build on the Upscaling & Sharpening settings as shown above. Specifically, we will create a profile that overrides the "Image Upscaling" setting to use "Anti-Alias" instead of "Sharp" setting for resolutions of 1080p or lower.

First, go to the Upscaling & Sharpening menu page and make sure "Active Settings" is selected in the Profile Bar. Then change the Image Upscaling setting to Anti-Alias. Notice the TEMP tag that appears immediately, indicating that this setting is now active, but only temporarily.
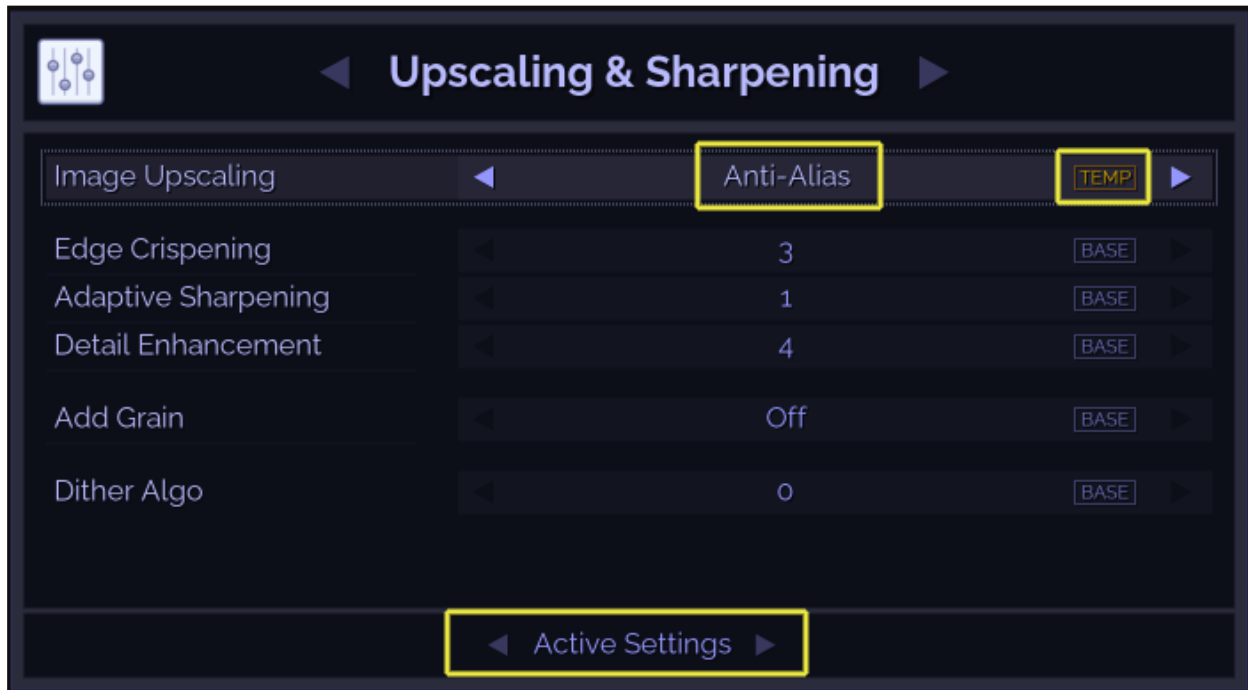
To make this change permanent, we could press the Green button to save it to the Base Settings. However, in that case this would become the new system-wide default. Recall our goal in this example is to use Anti-Alias only for 1080p resolution and below. Therefore, we need to add this menu page to a profile and not to the Base Settings.

Next, press the Yellow button to trigger the "Save to Profile" action. Your menu page will now expand. Remember, you can always look at the legend in the Contact Sensitive Help window, as we learned above, to see what action each colored button performs.

Lastly, select the Incoming Resolution->1080p (or Lower) option and the Anti-Alias setting will be saved to this profile. Refer to the image below to see the how the menu page changes when you trigger the "Save to Profile" action, and how the selection of 1080p or lower resolution is done.

If your Envy is currently receiving a 1080p or lower signal, the profile will activate automatically, and your menu page will look like what is shown below. Note the PROF tag, which indicates that a profile (in this case, the one for 1080p or lower) is setting the value of Anti-Alias. If instead your Envy is receiving a 4K signal, then you will see the Image Upscaling setting of "Sharp" and the tag will show BASE, since the profile will not be activated. The next time a 1080p or lower signal is received, however, then the tag will show PROF and the setting will show "Anti-Alias".

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This is basic example to demonstrate one way to assign settings to profiles. For a comprehensive understanding of the full profile system, please see the Envy Profile User Guide.

Conclusion

Profiles provide a powerful and flexible way to manage settings in the Envy, while still providing the great ease of use you come to expect from the Envy. There is much more to the profile system than can be covered in this introductory document. Therefore, please refer to the Envy Profile User Guide for more information and to master the use of profiles.

Appendix A

Profile System Inheritance

Active Settings

Temporarily set by user:
Setting 2 = JJJ

Applied Settings

Setting 1 = III
Setting 2 = JJJ
Setting 3 = CCC
Setting 4 = HHH
Setting 5 = GGG

The Active Settings are the settings that are in effect at the current time, after the Base Settings, settings from any activated profiles, and any temporary settings are applied. Temporary settings can be made permanent by saving them to the Base Settings or assigning them to a profile.

ACTIVE CONFIG
ACTIVATED PROFILE(S)

Highest priority

Profile 1

Set by user:
Setting 1 = III
Setting 4 = HHH

Applied Settings

Setting 1 = III
Setting 2 = BBB
Setting 3 = CCC
Setting 4 = HHH
Setting 5 = GGG

Envy's menu system consists of multiple menu pages, such as "HDR Settings" and "Display Configuration". A profile consists of a group of one or more customized copies of menu pages. Only explicitly set settings in profiles are applied. Unchanged menu items in a profile are fully transparent and "passed thru", as if non-existent. Profiles are activated, either manually using your remote, or automatically by your control system or Envy's predefined profiles based on the incoming video signal.

Profile 2

Set by user:
Setting 4 = FFF
Setting 5 = GGG

Applied Settings

Setting 1 = AAA
Setting 2 = BBB
Setting 3 = CCC
Setting 4 = FFF
Setting 5 = GGG

In the case of conflicting settings, Profiles are applied in the following order of priority (from highest priority to lowest):
1) Any custom profiles you create.
2) "Source Devices" profiles.
3) "Displays" profiles.
4) Profiles based on properties of the incoming video signal.

Lowest priority

ACTIVATED PROFILE(S)
BASE

Base Settings

Set by user:
Setting 1 = AAA
Setting 2 = BBB
Setting 3 = CCC
Setting 4 = DDD
Setting 5 = EEE

Applied Settings

Setting 1 = AAA
Setting 2 = BBB
Setting 3 = CCC
Setting 4 = DDD
Setting 5 = EEE

The "Base Settings" is the layer where all default values are set and inherited from. The Base Settings are used globally, unless overridden by settings in an activated profile or by temporary settings.

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