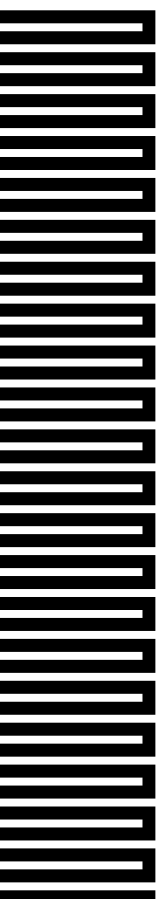


H200

Headphone
Utility



 **ADAM AUDIO** × **Sonnox** 

SETUP

Earpad Material

Headphones

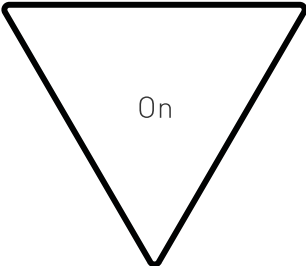
Gain Compensation

Faux Leather ▾

H200 ▾

Safe Mode ▾

EXTERNALIZATION



On

VOICING

Pure

☒

UNR

BYPASS

WELCOME!

Thank you for choosing ADAM Audio!

We've put a lot of passion into this product, and we hope you enjoy your new headphones and this accompanying software.

Best regards from Berlin,



Christian Hellinger
Managing Director

SAFETY NOTICE



Working with headphones for extended periods can cause ear fatigue, skew your perceptual response, and potentially lead to long-term hearing damage.

We recommend working at moderate listening volumes and taking regular breaks to ensure accurate work and prevent long-term hearing damage.

INTRODUCTION

Your ADAM Audio headphones were designed, manufactured, and developed using our expertise in building high-performance monitoring solutions. They are intended as a professional-grade tool for the accurate reproduction of your source material.

Unfortunately, the unavoidable physical characteristics of headphones lead to extreme stereo separation, which can cause difficulties with levelling, stereo placement, overall balance, and listener fatigue, resulting in translation issues when playing back over loudspeakers. The ADAM Audio Headphone Utility overcomes these shortcomings, providing an idealised monitoring setup when using ADAM Audio headphones for production, mixing, and mastering applications.

This plug-in is designed to be placed on the headphone bus as the final process on your digital audio workstation's master channel.



It's crucial to bypass this processing when exporting to ensure the effects are not present on the final render.

SETUP

 **ADAM AUDIO** × **Sonnox**



SETUP

① Earpad Material

② Headphones

③ Gain Compensation

Faux Leather ▼

H200 ▼

Safe Mode ▼

① Earpad Material

The earpad material of your headphones significantly affects the perceived frequency response. The earpad selector allows the response to be shifted back to the intended target curve when using the soft cloth material while preserving the tactile feel of cloth.

② Headphones

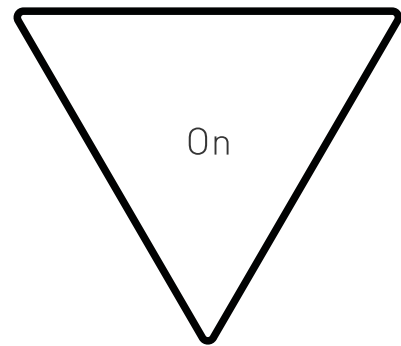
Tailored for the ADAM Audio H200 headphone, the headphones' physical response is tuned towards a slightly more neutral frequency response curve, allowing for more accurate and precise headphone monitoring.

③ Gain Compensation

This plug-in operates by applying a series of equalization and gain adjustments to the input signal to provide a more accurate experience when working with headphones in critical listening contexts. Given the plug-ins placement within the last step of the signal chain it is likely desirable to match the perceived loudness of the input at the output, or to ensure output clipping does not occur at high monitoring levels.

The "Equal Loudness" setting is tuned to maintain perceptual loudness of broadband input signals (i.e. full mixes). The "Safe Mode" setting is tuned to ensure no frequency component level of the output signal will exceed that of the input signal, and is combined with a hard clipper to further this guarantee even when the input signal clips. The "Off" setting will give the most natural headphone tuning response, but carries the risk of output clipping if the input signal is too loud.

EXTERNALIZATION



The **Externalization** feature leverages a proprietary crossfeed algorithm to mitigate the extreme stereo separation inherent to headphones by feeding a portion of each channel’s signal into the other, i.e. some of the left channel is fed into the right channel, and some right fed into the left. This process creates a headphone experience that simulates the spatial characteristics of listening to loudspeakers, providing an idealized monitoring setup while maintaining an accurate representation of the input signal. This subtle effect is most pronounced when listening to material with extreme left-right panning and is inaudible on mono sources.

VOICING

VOICING

Pure ☐ UNR ☒

A “Voicing” is a pre-defined sound profile that allows for the customization of the listening experience.

Uniform Natural Response

“UNR” or “Uniform Natural Response™” is a dynamic, natural-sounding response curve of ADAM Audio’s own design, which stems from a variety of iconic ADAM Audio legacy products. It is suitable for production, composition, and songwriting, as its engaging and present sound can give you more room for creativity and flow.

Pure

“Pure” is a highly accurate and neutral-sounding option. This is the “flat” setting, ideal for mixing, mastering, and critical listening applications where you need to be aware of all the details and rely on an honest representation from your speakers.

BYPASS



Bypasses all processing of the Headphone Utility.



It’s crucial to bypass processing when rendering to ensure the effects are not present on the final render.

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H200 Headphone Utility Manual © ADAM Audio GmbH 2024
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