



Fidelizer

"Pure Fidelity" for Windows

# User Guide

This will help you setup your system for better sound quality with Fidelizer.  
Please follow the step-by-step instructions below.

# System Requirements

Although Fidelizer could work on all versions of Windows since Windows XP, some users might feel confused whether Fidelizer will work on their installed version of Windows. Fidelizer is supported on the following Windows versions:

Windows XP\*  
Windows Vista  
Windows 7  
Windows 8  
Windows 8.1  
Windows 10

Fidelizer also works with the following versions of Windows Server:

Windows Server 2003\*  
Windows Server 2008  
Windows Server 2008 R2  
Windows Server 2012  
Windows Server 2012 R2  
Windows Server 2016

\* Some NT6 core optimization features aren't available in these marked Windows versions. To get full optimization, consider upgrading Windows.

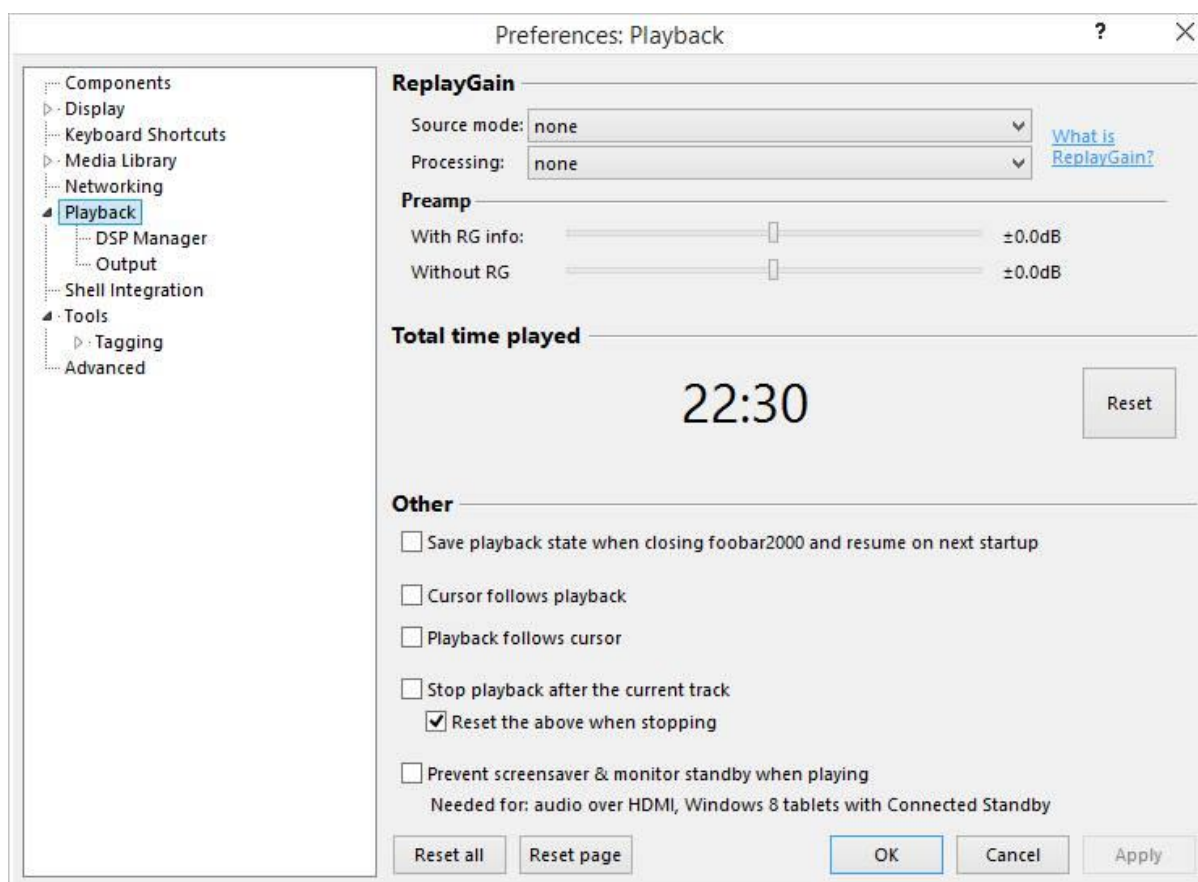
For usage with AudiophileOptimizer, please enable the following options in AudiophileOptimizer (Recommended version 1.31 or higher)

- Keep Windows Management Instrumentation service
- Install Kernel-Streaming and MediaPlayer Support
- Enable MMCSS in core mode (Multimedia Class Scheduler)
- Set Fidelizer Pro as default shell replacement (Only after optimizations and you don't see Fidelizer Pro running on startup)

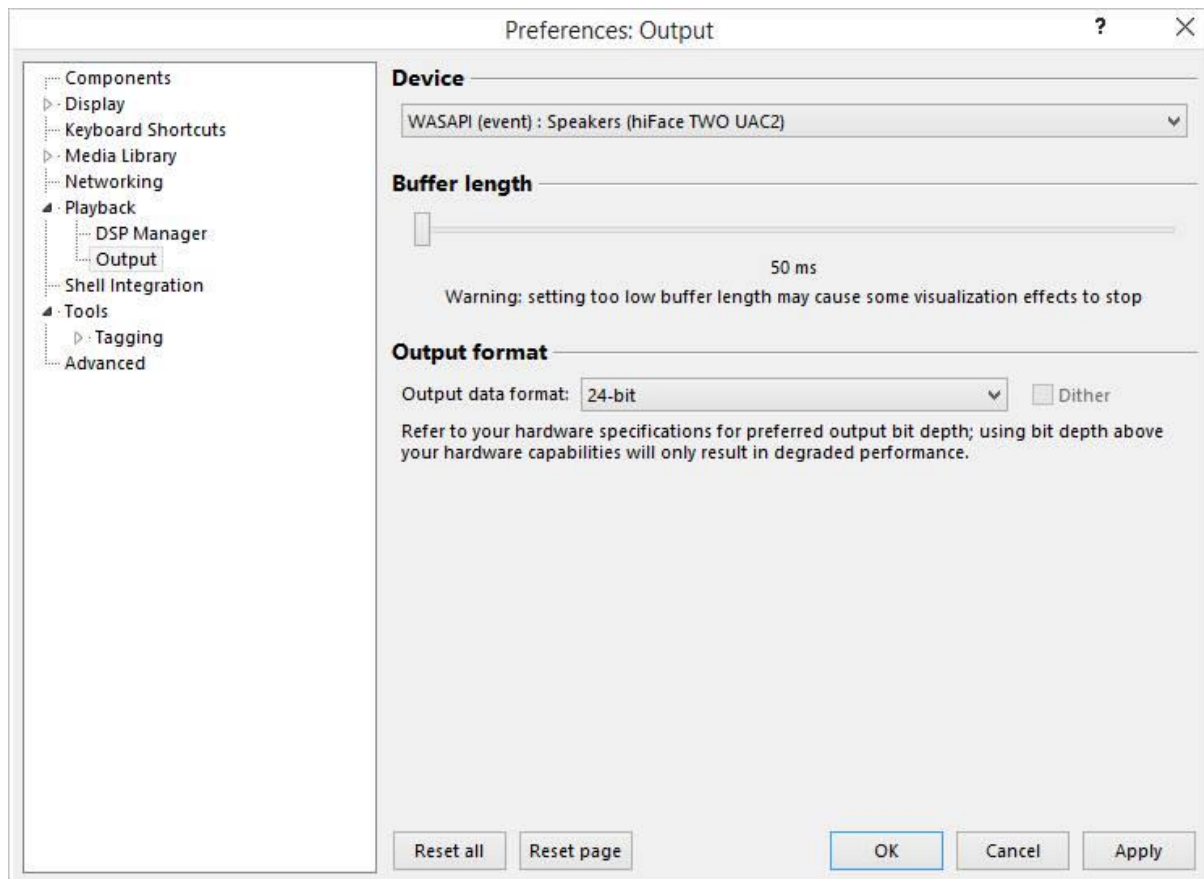
# STEP 1: Setting up the audiophile environment

Although Fidelizer can instantly enhance Windows sound quality with just one click, setting up audio software for better sound before using Fidelizer is recommended. To demonstrate how to improve sound quality on audio software, we'll use foobar2000 as an example.

1. Download and install [foobar2000](#) with [WASAPI component](#) for bit-perfect playback support
2. Open setup Preferences and set ReplayGain to "none" in Source mode and Processing as shown below.



3. Setup output device with WASAPI (event), change output data format to highest supported bit-depth, and slide down Buffer length to 50ms. Increase to 100/200/500ms if you face stuttering.



4. Configure Advanced settings with the following options:

Full file buffering up to (kB): Highest possible (I entered 99999999999999999999)

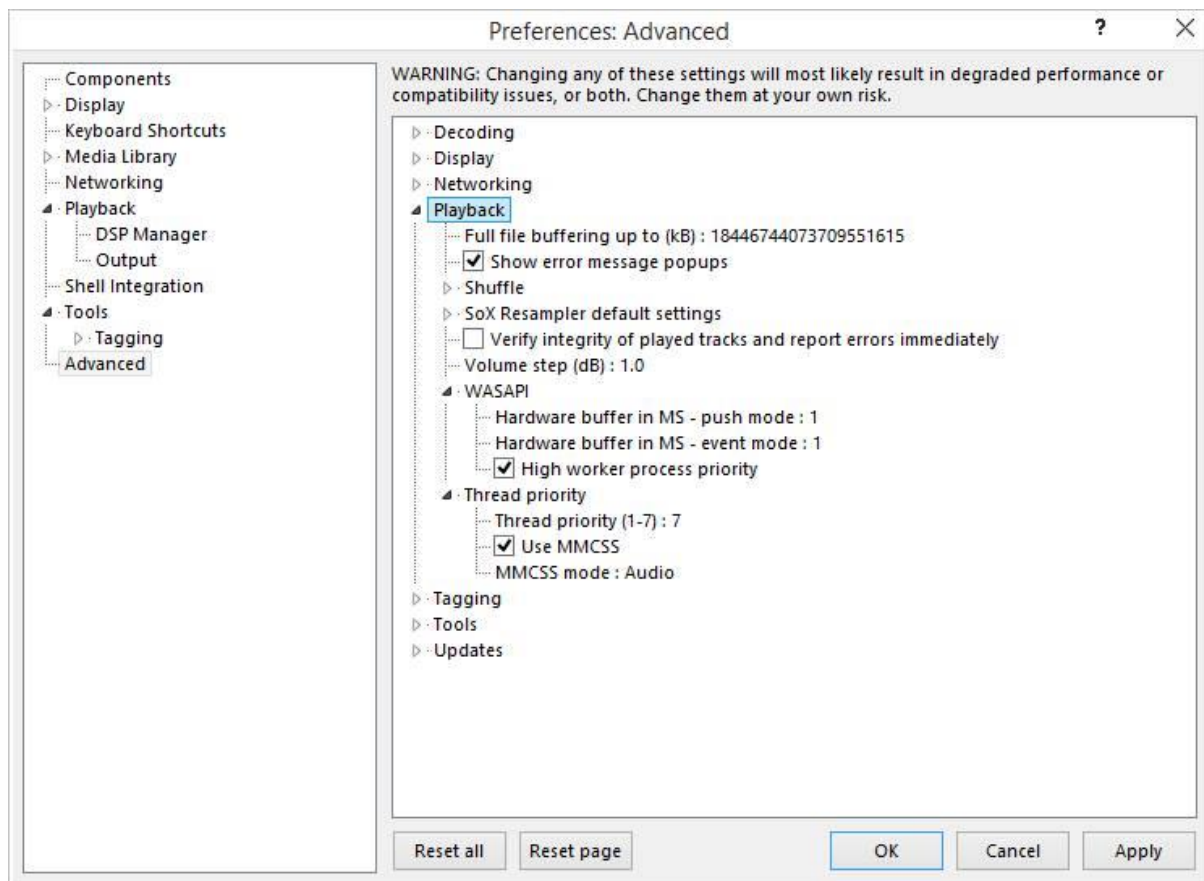
WASAPI Hardware buffer in MS – push/event mode: 1/3/6/12/24/32 until stuttering is gone.

High worker process priority: checked

Thread priority: 7

Use MMCSS: checked

MMCSS mode: Audio (Windows default mode where Fidelizer optimizes)



With this, you should get better sound from foobar2000 and make Fidelizer optimizations become much more effective than before. Some people who failed to notice improvements with Fidelizer before may have a better chance after configuring audio software like this.

For Tidal/YouTube users who rely on default Windows audio playback, you can setup bit-perfect sound software like [VB-Audio ASIO Bridge](#) with [JPLAY/ASIO4ALL](#) in combo for better audio performance. It also works well on iTunes and Windows Media Player.

## STEP 2: Choosing the right optimization level

Fidelizer has 3 optimization levels. This will explain how each optimization level affects your system.

**Workstation:** This is a default safe level. Fidelizer will enhance sound quality without affecting system performance. Your system won't slow down and everything will work fine as usual. I also use "Workstation" on my work machine generating Fidelizer for customers.

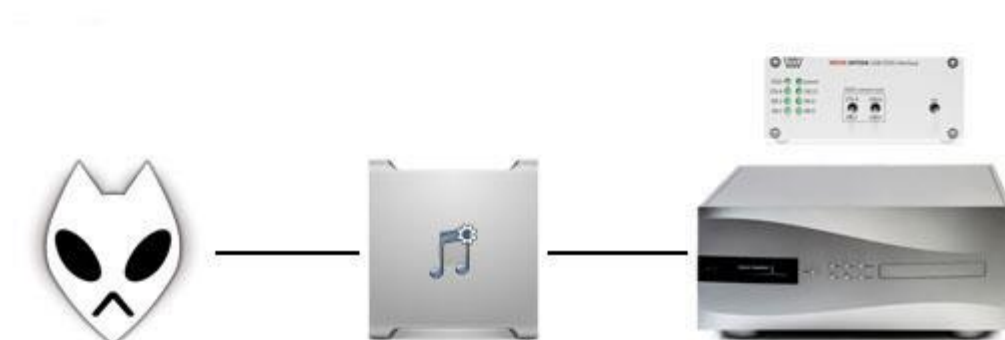
**Audiophile:** This is a dedicated audio level. Fidelizer will sacrifice system performance for better sound quality. Your system will be slower and some applications may not work right. If you run foobar2000 manually after optimizations, you'll get poorly optimized software running. You need to select foobar2000 as your Music Player Application for optimal audio playback.

**Extremist:** This is a dedicated unsafe level. Fidelizer will also stop/disable system services that aren't related to audio playback. Some features may break on certain applications and network functions may stop completely depending on configuration. Only choose this mode if you know what you're doing. Changes are reversible but can cause panic in some people without preparation.

For Fidelizer Pro, you can restore disabled services by running Fidelizer Pro again and change optimization level to Workstation/Audiophile and then hit Fidelize. They'll be restored after system restart.

# STEP 3: Choosing the right configuration for the right application

In Fidelizer Pro, you can change your machine configuration for different suitable audio applications. Since they're already explained in how Fidelizer works, this section will cover end-user scenarios, as below.

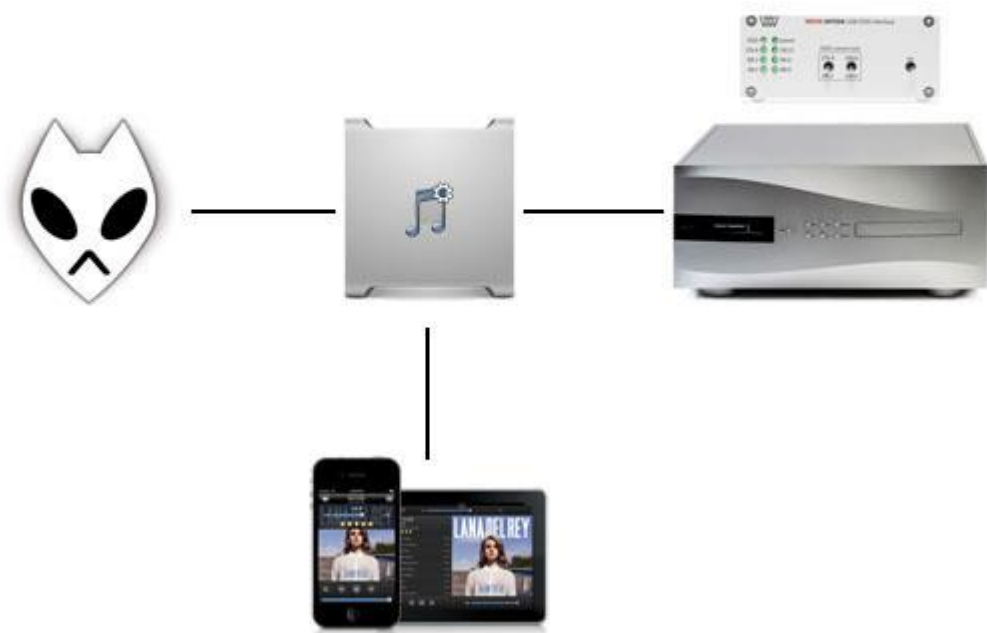


**Scenario 1** – I use foobar2000 connecting to USB DAC and want the best possible sound quality.

Optimization Level: Extremist

Machine Configuration: Music Server (Audio player, JPLAY Single PC)

Music Player Application: foobar2000



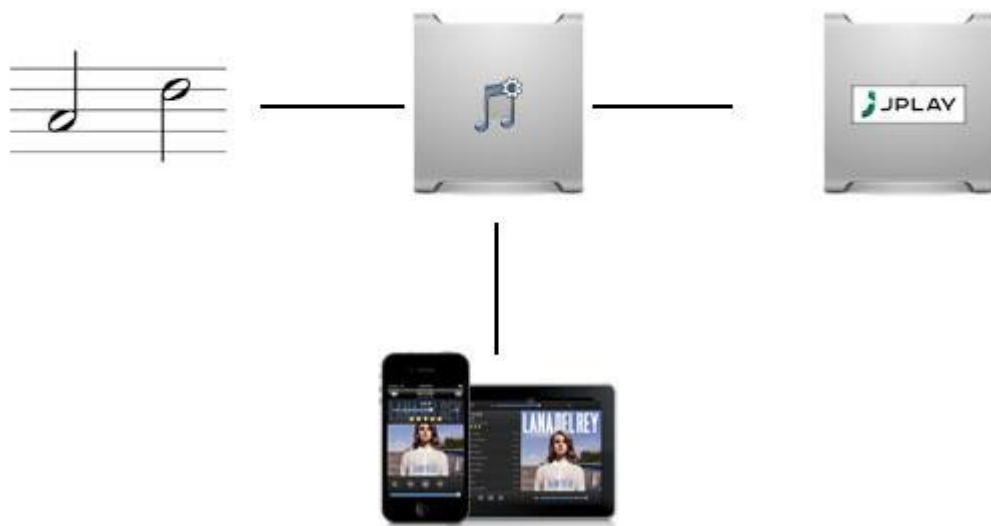
**Scenario 2** – I use foobar2000 connecting to USB DAC and want the best possible sound quality *while keeping network remote working*.

Optimization Level: Extremist

Machine Configuration: Music Server with Network support (For remote controller)

Music Player Application: foobar2000





**Scenario 3** – I use MinimServer on JPLAY Control PC streaming music to JPLAY Audio PC and want to experience the best possible sound quality.

Optimization Level: Extremist

Machine Configuration: Network Transport (DLNA/UPnP server, JPLAY Control PC)

Music Player Application: MinimServer

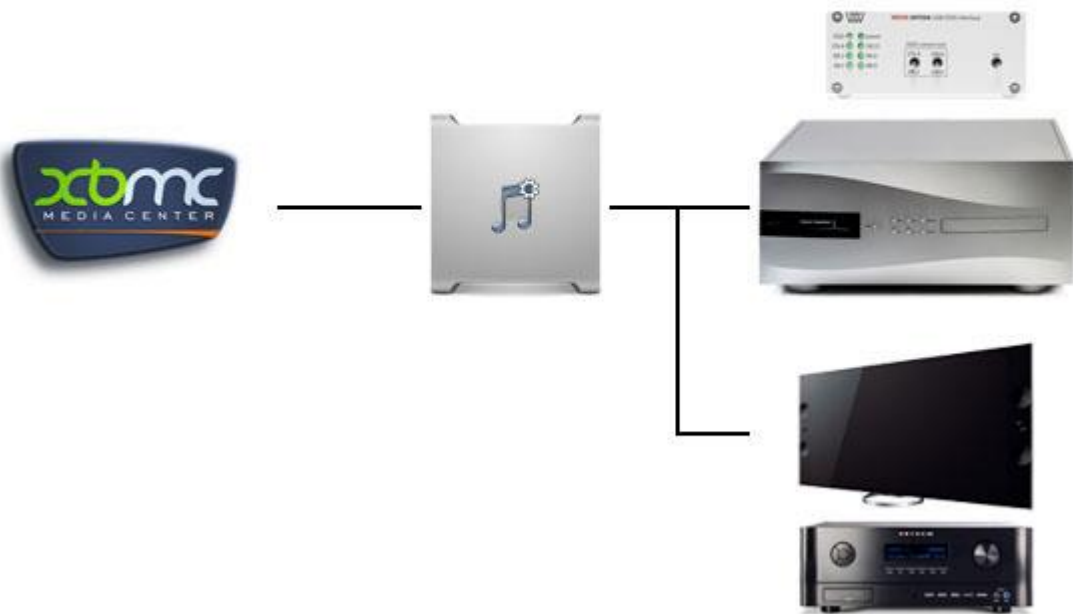


**Scenario 4** – I use Roon on laptop for listening to music from TIDAL and want to improve sound quality without affecting my working applications.

Optimization Level: Workstation

Machine Configuration: Network Render (DLNA/UPnP render, JPLAY Audio PC)

Music Player Application: Roon



**Scenario 5** – I use XMBC for streaming audio/video playback and want to improve playback quality *without losing Windows Update feature*.

Optimization Level: Audiophile

Machine Configuration: Media Center (HTPC, Audio/Video/Network player)

Music Player Application: XMBC

If you have any questions regarding Fidelizer, feel free to [contact the author directly](#). We usually reply back within 24 hours. If you haven't received any reply on email after 2 business days, your mail could probably have been sent to spam/junk box. Please contact us through other means like [Facebook](#) / [Twitter](#) / [Skype](#).