Nahimic

improve your sound

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Contents

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Introduction

Welcome to the Nahimic 3 user guide for Windows®. This document will introduce you to its main features.

Nahimic 3 is a software designed to offer the best audio experience, thanks to the following features.

Audio effects for playback devices including:

- Surround Sound, Volume Stabilizer, Voices, Bass and Treble
- X4 factory profiles (Music, Gaming, Movie, Communication)
- Reset option
- Test button for each profile
- Global On/Off button

Microphone effects for capture devices including:

- Static Noise Suppression, Echo Cancellation, Lateral Noise Cancellation and Voice Stabilizer
- X2 factory profiles (Chat, Conference)
- Reset option
- Test button (loopback)
- Global On/Off button

Sound Tracker including:

- Drag and drop positioning
- Transparency and scale sliders
- Button to customize the color
- Test button
- On/Off button

Designing the Nahimic 3 UI

Nahimic 3 is a UWP application designed to follow Windows® 10 design guidelines as closely as possible in order to provide a consistent and up-to-date user experience.

System requirements

Nahimic 3 is optimized for Windows® 10 RS3 (32- and 64-bit).

Installation and update

Nahimic 3 is included in the drivers of your MSI device. If you need to install it or update it, please use the drivers supplied with your MSI device or download it from the Windows Store.

Navigation

Main window

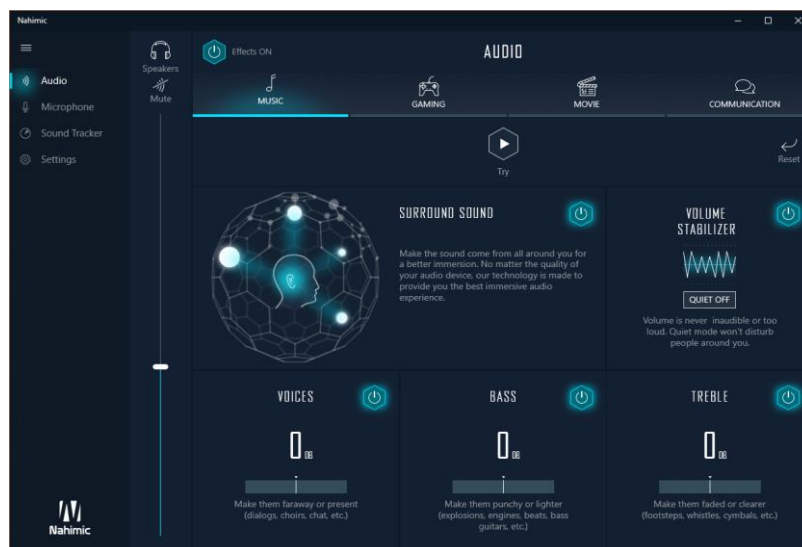Nahimic 3's UI is composed of 4 tabs (Audio, Microphone, Sound Tracker and Settings).

Audio

From this tab, you can access all audio features.

Microphone

From this tab, you can access all microphone features.
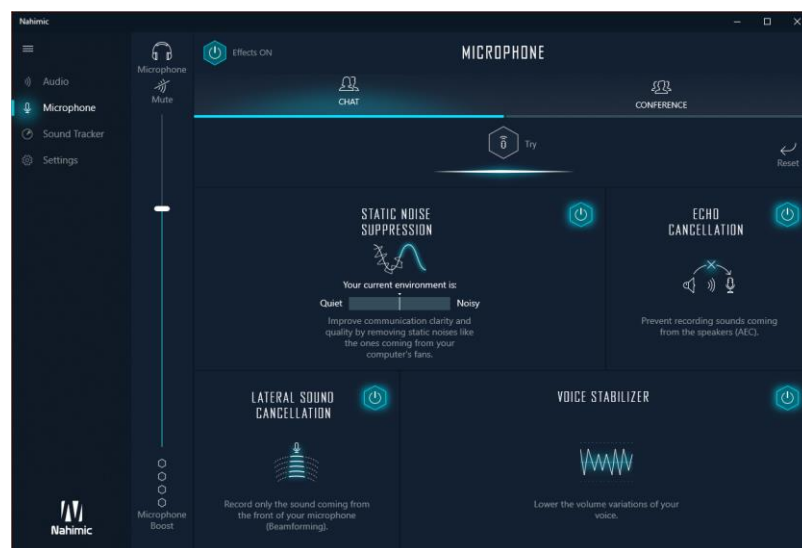
Sound Tracker

From this tab, you can access all options to configure the Sound Tracker.
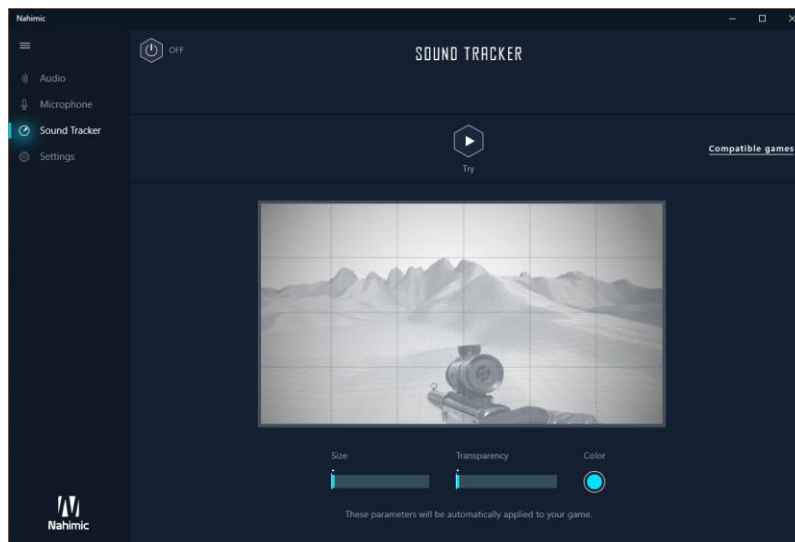
Settings

From this tab, you can access all settings and information of the software.
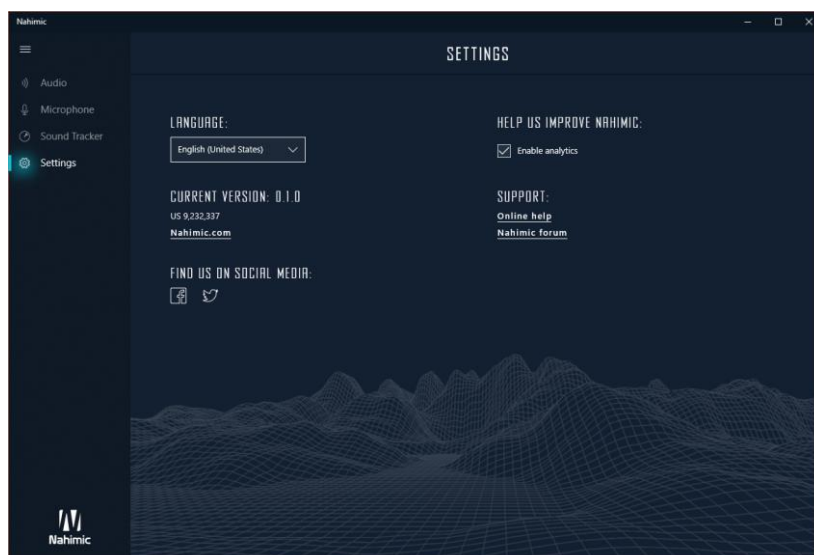
Main window

Background process

Nahimic 3 is automatically launched when your computer starts.

At this point, Nahimic 3 runs in the background - this is required to keep the effects and features enabled.

If the Nahimic 3 main window is opened and you close it, Nahimic 3 will keep running in the background.

If you want to reopen Nahimic 3's UI, just proceed as explained in the following points.

Launch

Nahimic 3's UI can be opened and displayed from Windows® search bar:
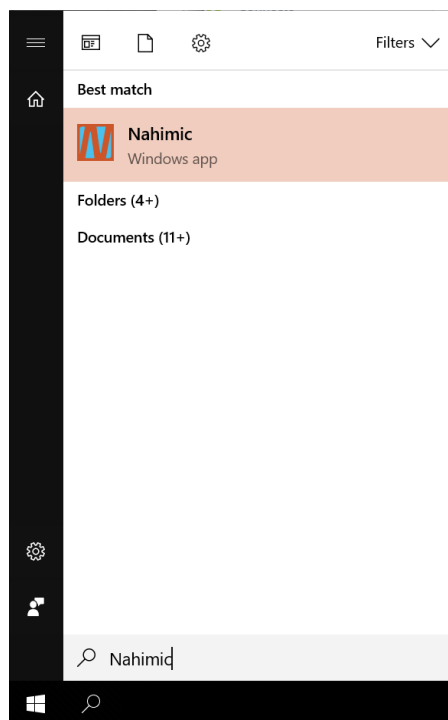
Audio
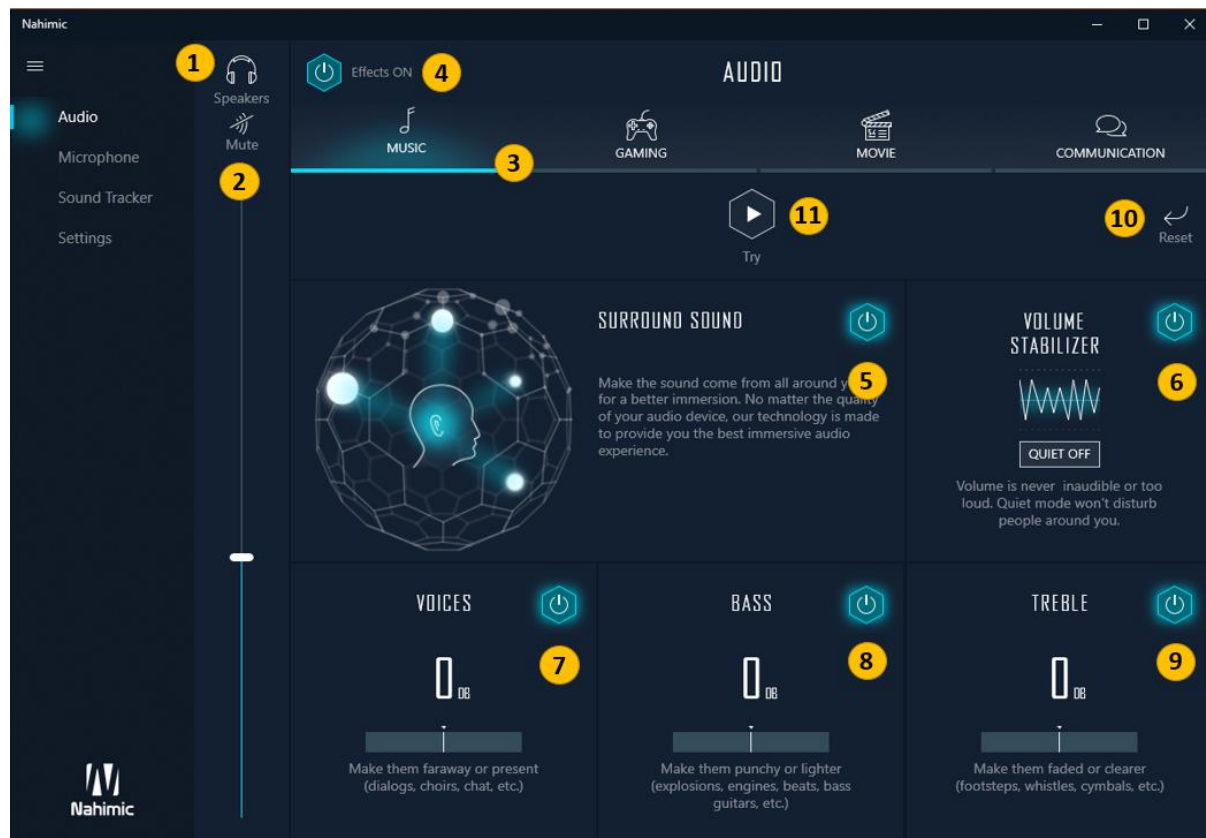
1 – Device display and volume

Displays the type of audio device currently being used as output, as well as its current volume.

2 – Mute

Mutes the current audio device.

3 – Audio profiles

Allows you to choose between 4 factory audio profiles to fit your multimedia experience (Music, Gaming, Movie or Communication). All profiles can be modified as you wish.

4 – On / Off button

Allows you to turn all of Nahimic 3's audio effects on and off in one click.

5 – Surround Sound

Surround Sound is an audio effect mainly dedicated to headphones acoustic experience. Here is what it does.

- **Gaming and Movies**

Virtualizes the multichannel audio stream from the game engine or the movie soundtrack and downmixes it in order to retrieve a multichannel listening experience over your stereo headphones or speakers.

- **Music**

Expands the stereo for a wider sound stage.

6 – Volume Stabilizer

This compressor maintains a constant volume for all elements of the audio experience (dialogs, soundtrack, explosions, etc.) to make them all sound softer, balanced or louder. The Quiet On / Off option allows to enter a night mode by removing some basses. This way, you won't disturb people around you if you're using speakers to play your media.

7 – Voices

Boosts (or removes) the speech in movies, video games and incoming communication from -12 to +12 dB.

8 – Bass

Increases (or decreases) the energy in low frequencies from -12 to +12 dB.

9 – Treble

Increases (or decreases) the energy in high frequencies from -12 to +12 dB.

10 – Reset

Restores the current profile to its default settings.

11 – Try

Launches an audio sample that allows to test audio settings.

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Microphone
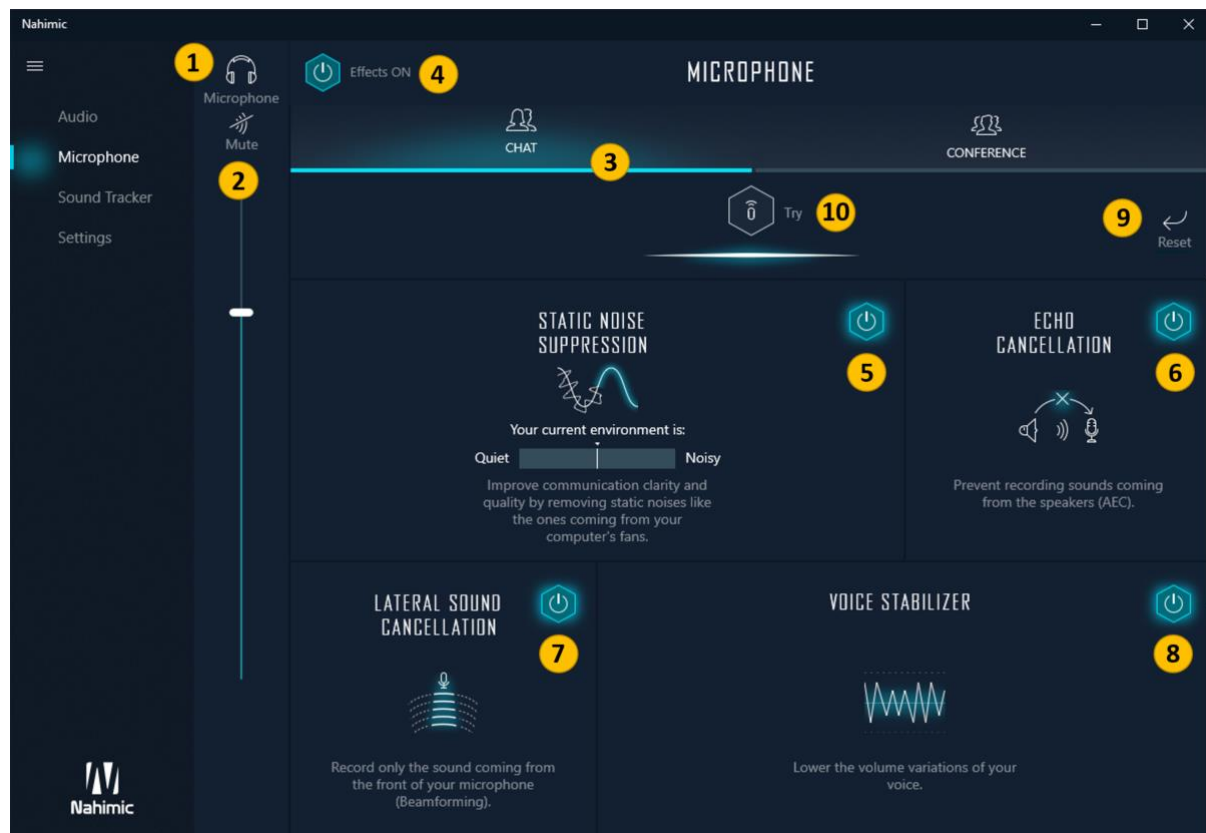
1 – Device display and volume

Displays the type of recording device currently being used as input, as well as its current volume.

2 – Mute

Mutes the current mic device.

3 – Mic profiles

Allows you to choose between 2 factory mic profiles to fit your experience (Chat or Conference). All profiles can be modified as you wish.

4 – On / Off button

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Allows you to turn on and off all Nahimic 3's microphone effects in one click.

5 – Static Noise Suppression

The Static Noise Suppression removes the static noises like the ones coming from your computer fans.

6 – Echo Cancellation

Improves the voice quality by cancelling the echo.

7 – Lateral Sound Cancellation

Only records the sound coming from the front of your microphone.

8 – Voice Stabilizer

Levels the volume of your voice in order to avoid any saturation and maintains a constant and clear communication.

9 – Reset

Restores the current profile to its default settings.

10 – Try

Turns the microphone loopback On/Off.

Sound Tracker
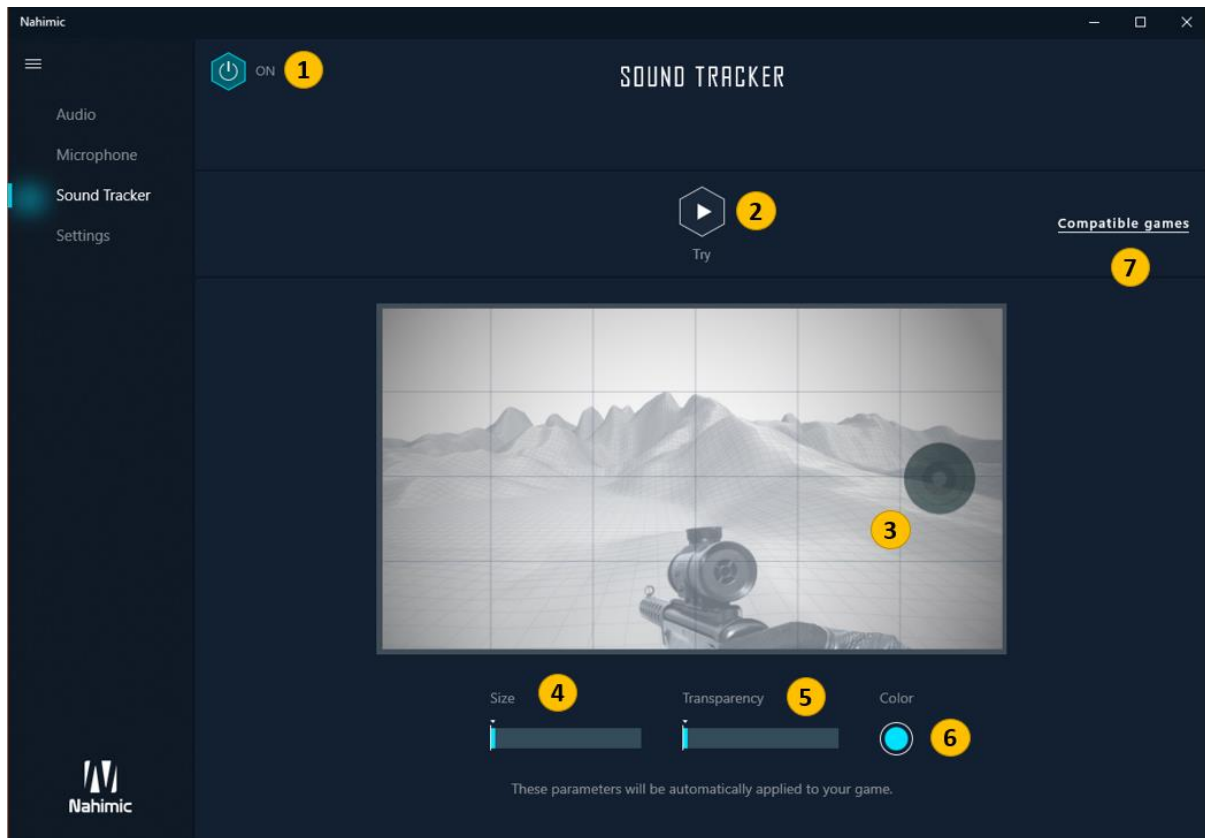
The Sound Tracker is an FPS oriented feature that provides a visual indication localizing the sources of the sounds while in a game. These are represented by dynamic segments pointing the direction of the sounds: the more opaque they are, the stronger the sounds are.

Thanks to this feature, players are able to pick up an approaching threat more definitively and easily, thereby being even more dynamic.

The Sound Tracker captures the 5.1 and 7.1 sound streams processed by your audio system, and is displayed in all applications and games using DirectX 9, 9c, 10 and 11. You can refer to the official games list that is supported by the Sound Tracker by clicking the link on the top right of the screen.

1- ON / OFF button

You can disable the Sound Tracker by switching this option OFF.

2- Try

Launch a 7.1 audio sample allowing you to preview how the radar will react in your game.

3- Sound Tracker

You can place the Sound Tracker wherever you want on your screen with a drag and drop action, or with a simple click.

4- Scale

Adjust the scale of the Sound Tracker, making it look bigger or smaller.

5- Transparency

Adjust the transparency of the Sound Tracker, making it look more or less discrete.

6- Color

Click the colored circle to open the color edition window. You can apply the color you want to the dynamic segments.

7- Compatible games

Clicking this link opens the official Nahimic website, and leads to the list of compatible games able to display the Sound Tracker.

Settings
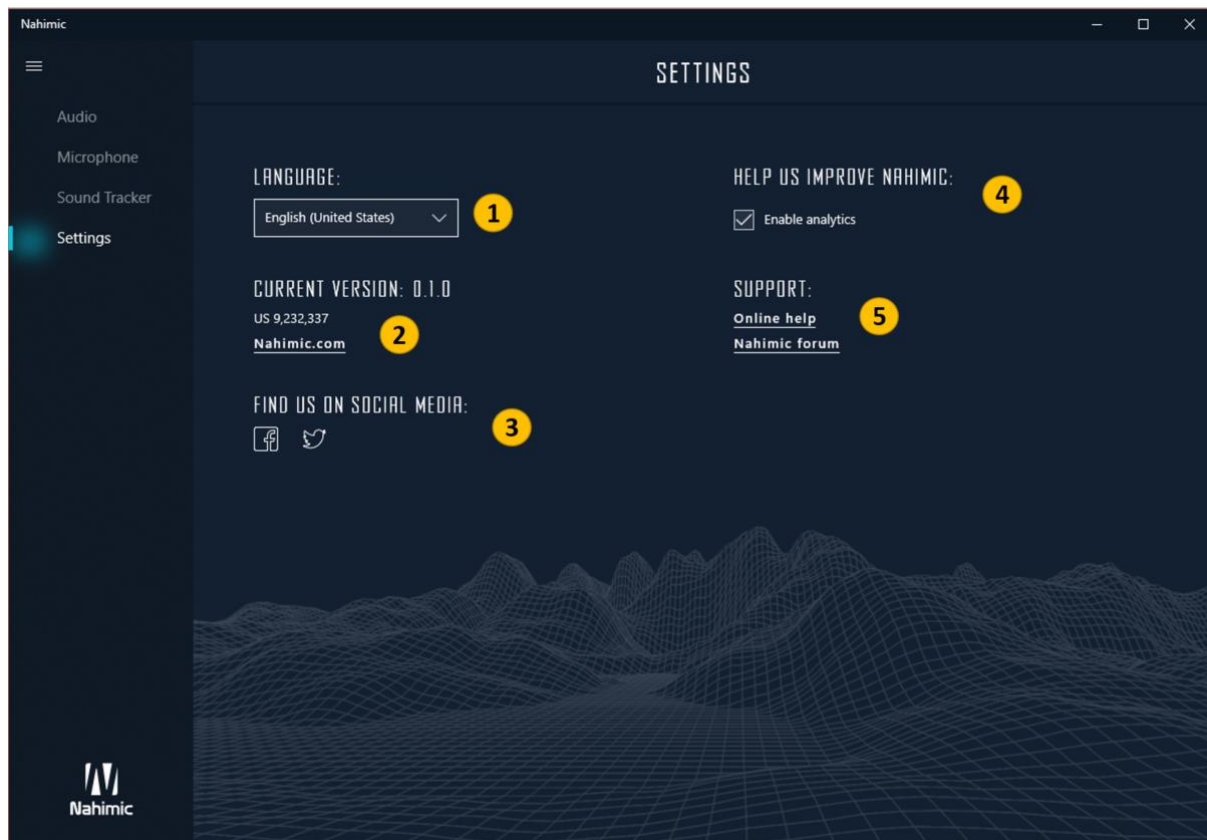
1- Language

The language of Nahimic 3's UI is based on the OS language.

However, you can manually change the language in the preferences window (English, Simplified Chinese, Traditional Chinese, French, German, Italian, Spanish, Japanese, Korean, Russian, Portuguese or Polish). Warning: only the languages already installed on your machine in your Region & language options will appear in the list.

2- Version and website

Access the current version of Nahimic 3 installed on your computer, and get to the official website.

3- Social media

Get to our social media pages to discover Nahimic's universe.

4- Help us improve Nahimic

When you enable analytics, you help us improve Nahimic by sharing your user's experience. This let us know more about your habits with Nahimic and adapt better the user experience we offer.

5- Support

You can ask for help or just for a question on our dedicated support pages.

Default settings

When first launched, Nahimic 3 is set by default to the Music audio profile and the Chat mic profile. The Music profile guarantees a balanced listening experience with a simple configuration. This helps to avoid altering your listening habits. Its factory settings are:

Profile name	Virtual Surround	Volume Stabilizer	Voices	Bass	Treble
Music	Disabled	Disabled	Enabled (+4 dB)	Enabled (+6 dB)	Enabled (+4 dB)

The Chat mic profile guarantees you a clear voice. Its factory settings are:

Profile name	Static Noise Suppression	Echo Cancellation	Lateral Sound Cancellation	Voice Stabilizer
Chat	Enabled	Enabled	Disabled	Enabled

When closing and re-opening the UI, the default settings are the last settings saved.

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FAQ

Audio and microphone effects

How does Virtual Surround work?

The Virtual Surround effect is designed to reproduce a 3D audio experience from multichannel audio files to stereo devices. When playing a stereo audio file on a stereo device, our Virtual Surround will offer you a better sound spatialization and a better overall audio experience.

Some examples of use:

- Multichannel audio file on a stereo device: the Virtual Surround is fully adapted to this configuration. You will enjoy a multichannel audio experience in your stereo device (i. e. speakers or headphones).
- Stereo audio file on a stereo device: enhancement of the audio experience with better spatialization
- Multichannel audio file on a multichannel device: Virtual Surround won't work on this configuration.
- Stereo audio file on a multichannel device: Virtual Surround won't work on this configuration.

I turned Voices "On", but when I talk in my microphone, I can't hear a difference. Why?

Voices is an audio effect (in the Audio tab). It's designed to clarify the voices on the audio files you're listening to. It's not designed to clarify your own voice. If you want to clarify your own voice, please go to the Microphone tab and use the Static Noise Suppression setting.

What is supposed to happen if I change the Music profile settings, then click on the Gaming profile, and then come back to the Music profile?

As the changes are saved, you should find the Music profile settings as you left them.

Sound Tracker

Why is my Sound Tracker page always disabled?

There are 2 main reasons why your Sound Tracker page may be disabled:

- You set Sound Tracker to OFF
- Your audio device is not compatible – Sound Tracker can only work on compatible audio devices

Why are the segments not displayed in the Sound Tracker?

The Sound Tracker only displays its segments for 5.1 and 7.1 audio streams. If the segments are not displayed in the Tracker, this would mean that your current audio stream is lower than 5.1 (mono or stereo for instance).

Also, our Sound Tracker uses an overlay technology that may not be compatible with all games. That's why, sometimes, the whole Sound Tracker may not appear in some games.

You can refer to the official games list that is supported by the Sound Tracker by clicking the link on top of the screen of the Sound Tracker tab.

Why does the Sound Tracker only display 5.1 and 7.1 audio streams?

The aim of the Sound Tracker is to let your "see" your threats all around you in your game (= up to 360°). Based on this assessment, it would be meaningless to display segments on the Tracker for mono or stereo streams as they would only indicate what is in front of you (for mono audio streams) or what is at your left and right (for stereo audio streams).

Device management

What is a default device?

It is the device (playback and/or recording) selected by default in the Windows® device manager on which you will hear or make sound.

What is Windows® device manager and how do I access it?

Windows® device manager is the control window which shows the complete list of playback and recording devices on your computer. This window also allows you to enable, disable or set your playback and recording devices as the default. Here is the process to access it:

1. On your Windows® taskbar, right-click on the volume icon.
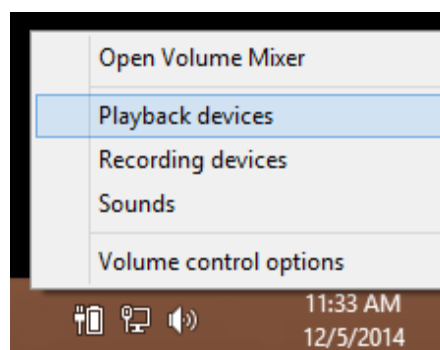
2. Click on Playback devices or Recording devices depending on what you are interested in. Playback devices are for audio devices, like speakers or headphones. Recording devices are capture devices, like microphones.

And there you have it – you just accessed the Windows® device manager.

How do I set a device as the default?

In the Windows® device manager, select the tab you are interested in (Playback or Recording). Then, right-click on the device you want to set as the default, and click on "Set as Default Device".
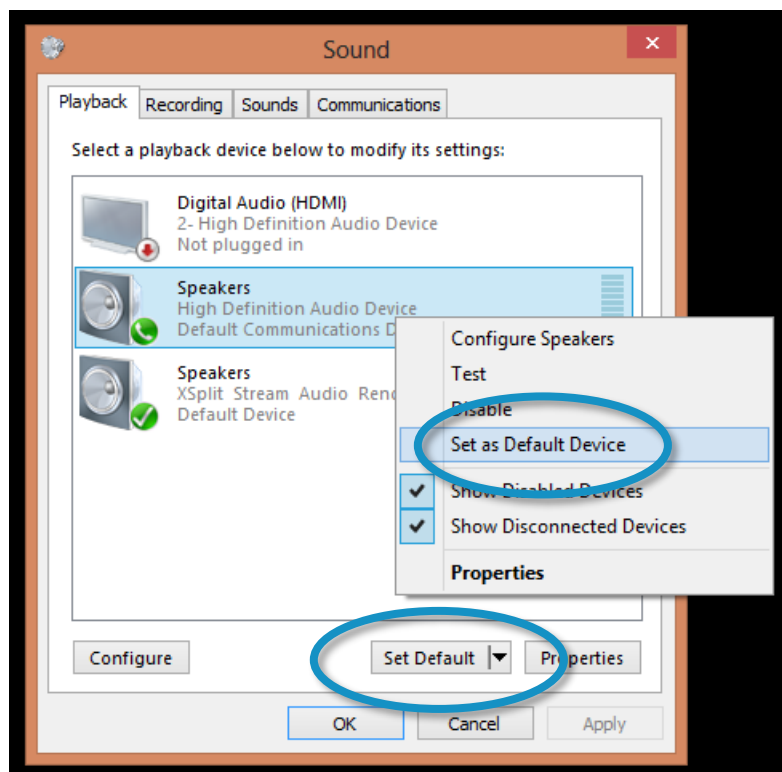
My device doesn't appear in the Windows® device manager. How do I make it appear?

First, make sure your device is properly plugged into your computer.

If it still doesn't appear, it may have been disabled and hidden in the Windows® device manager. To make it appear again in your device list, just right-click on the Windows® device manager window (in the Playback or Recording tab, depending on the device you are interested in) and then select "Show Disabled Device".

What is the Windows® device manager option "Show Disconnected Devices" for?

This option allows display of all the devices your hardware can support.

What will happen in Nahimic 3 if I change the default devices in Realtek's UI?

Nahimic 3's UI will adapt to the new default device.