

A brief tutorial on how to improve your presence in a video teleconference.

There are a few tricks to this. Its not as easy as it might first appear.

Methods

1. Put your microphone next to the speakers of your computers
2. Use the Stereo Mix Feature to pipe computer sound directly into Gotomeeting

Caveats

1. The biggest drawback is that Gotomeeting is optimized for voice.
 - in order to save bandwidth, there is a filter blocking all high frequencies.
 - You can hear this when music is played the high frequencies in the music keep getting cut off.
2. Optimized for Silence
 - Gotomeeting will also cut off silent or near silent areas of audio.
 - Again this has the effect of making certain music pieces sound strange

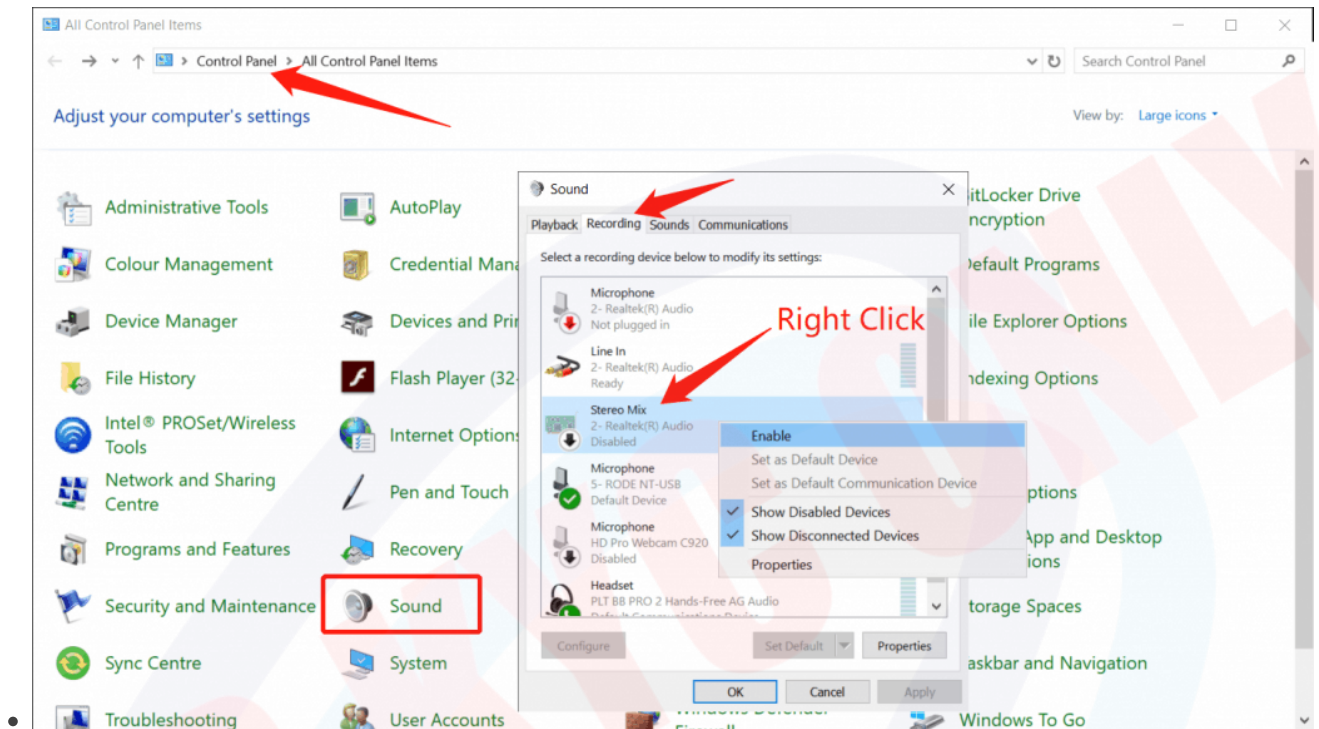
Stereo Mix

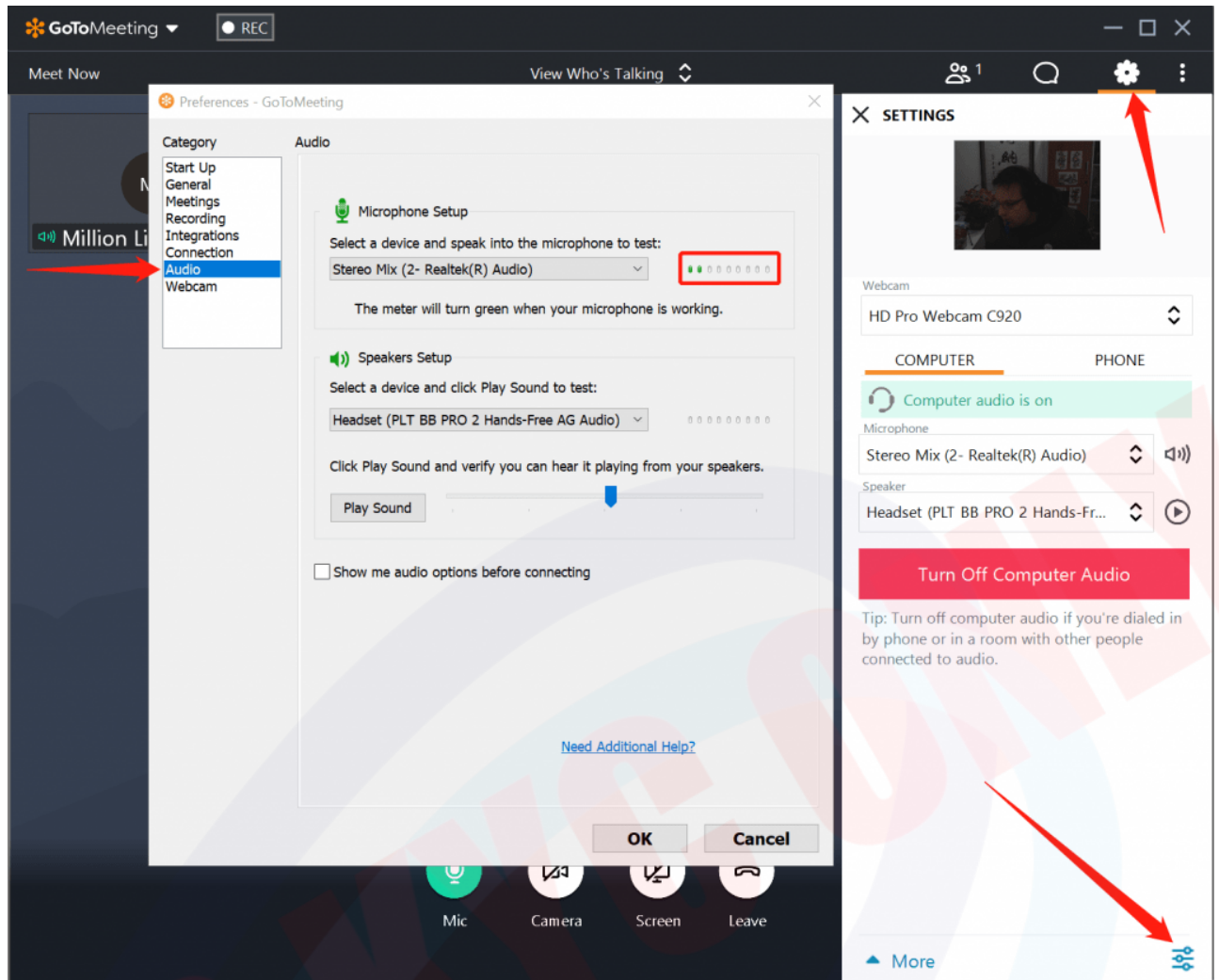
1. Stereo mix is a sound feature that exists in Windows 10
2. Stereo mix can be considered like a microphone that's inside the computer, listening to sounds generated inside Windows.
3. It takes sound that is being played through speakers, and reroutes it directly into the Stereo Mix Microphone input.

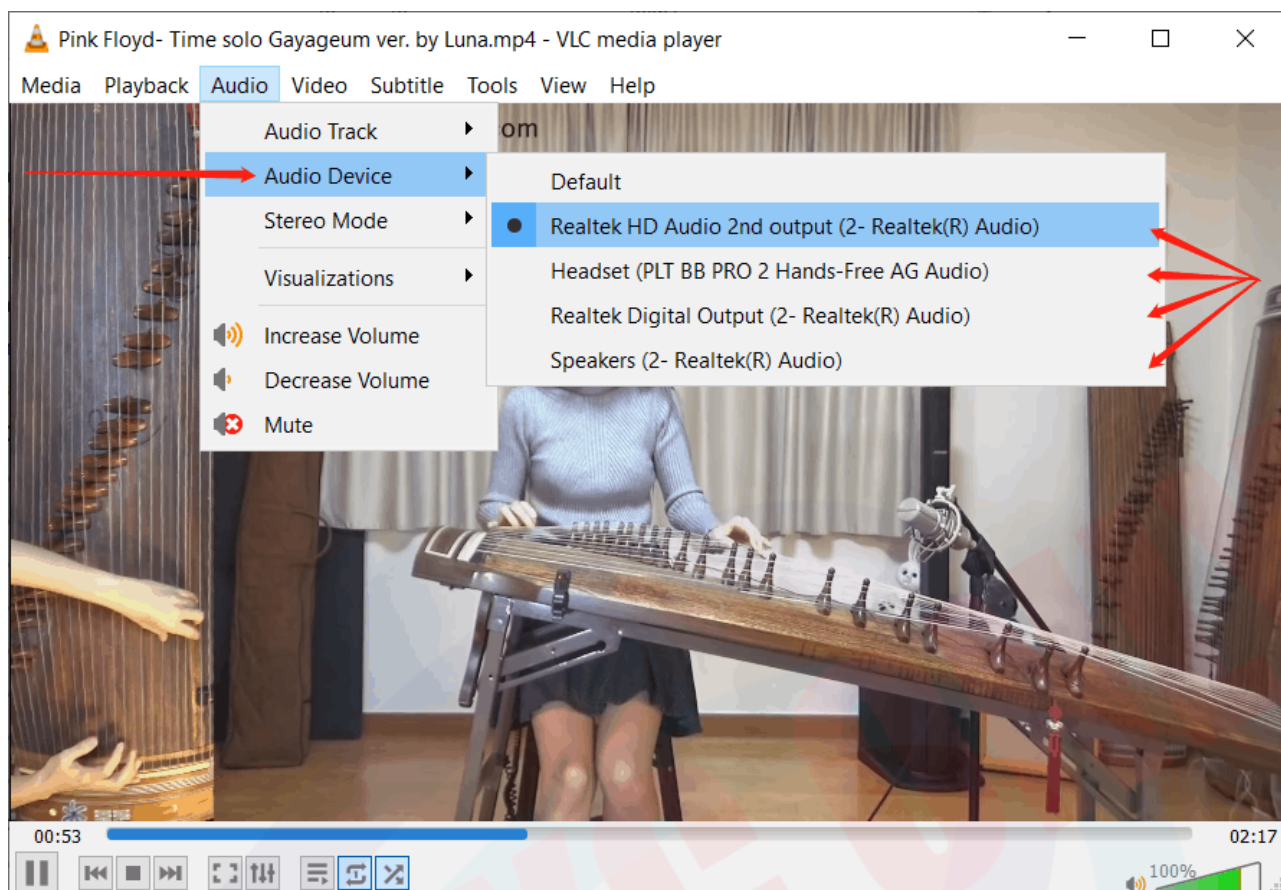
Instructions - Playing Music in a Meeting

1. Make sure Stereo Mix is Installed
 - this will require the original drivers for your sound card to be installed.
 - the sound card may work fine with the Windows Default drivers, but the Windows Drivers usually don't implement the Stereo Mix feature.
2. Make sure Stereo Mix is Enabled
 - Go to **Control Panel -> Sound**
 - Got to the **Recording Tab**
 - Right click on the "**Stereo Mix**" and choose **Enable**
 - If "**Stereo Mix**" doesn't appear, right click on another microphone and make sure "**Show Disabled Devices**" and "**Show Disconnected Devices**" are selected.
 - If "**Stereo Mix**" still doesn't appear, then you will need to install the correct drivers (if they are available).
3. Open up Gotomeeting, and go to the **Audio** Setting in **Preferences**
 - Make sure "**Stereo Mix**" is selected
 - Now keep the settings open while we setup the video/music player.
 - You will be looking for the green lights on the volume bar for the Microphone Setup. Once you see these green lights start flashing, you know the sound is setup correctly.

4. Open up Your Music Player (ie VLC) with the Gotomeeting Audio Settings still open
 - o Start playing the music/video.
 - o Open up the program's audio settings
 - o Start selecting different playback devices until the green lights start appearing in the Audio settings in Gotomeeting.
5. [IMPORTANT] Once your audio has been setup, the very last thing you need to do is make sure you unmute the microphone. Otherwise no sound will be transmitted.







If you have a new laptop with an Nvidia Graphics card (Must be Nvidia), there is a very neat trick you can use to improve your microphone.

It will reduce any office noise, and only concentrate on your voice.

You will install NVIDIA RTX Voice which is an AI that runs on top of your microphone to remove anything that isn't the human voice.

Install Instructions

If you don't have a series 2000 NVidia graphics card, you can still install this system... You just need to follow the following instructions.

Laptop Install Instructions

<https://www.windowcentral.com/how-enable-rtx-voice-all-nvidia-gpus-including-older-geforce-gtx-cards>

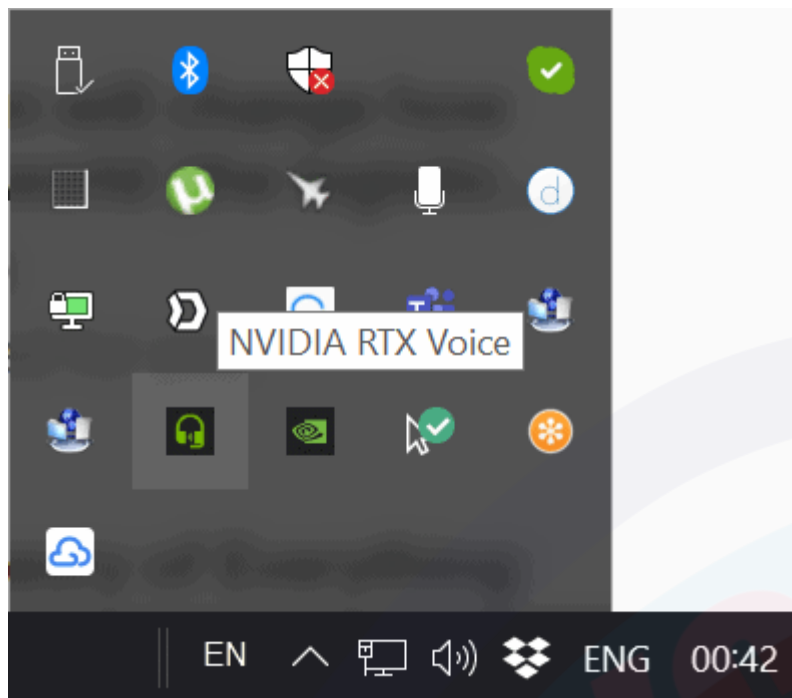
Download

<https://www.nvidia.com/en-us/geforce/guides/nvidia-rtx-voice-setup-guide/>

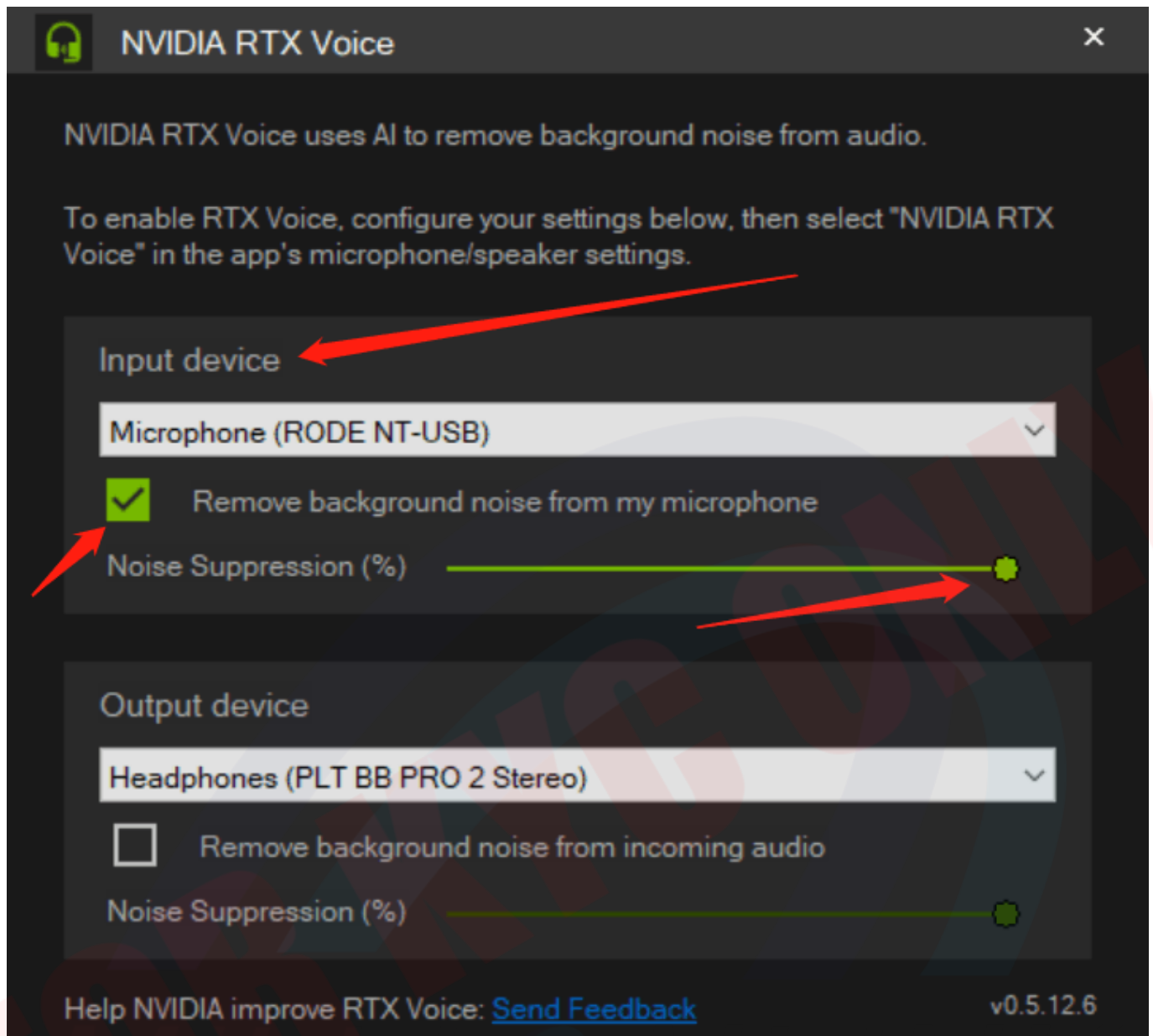
Operation Instructions

1. Make sure RTX Voice is enabled in your taskbar.

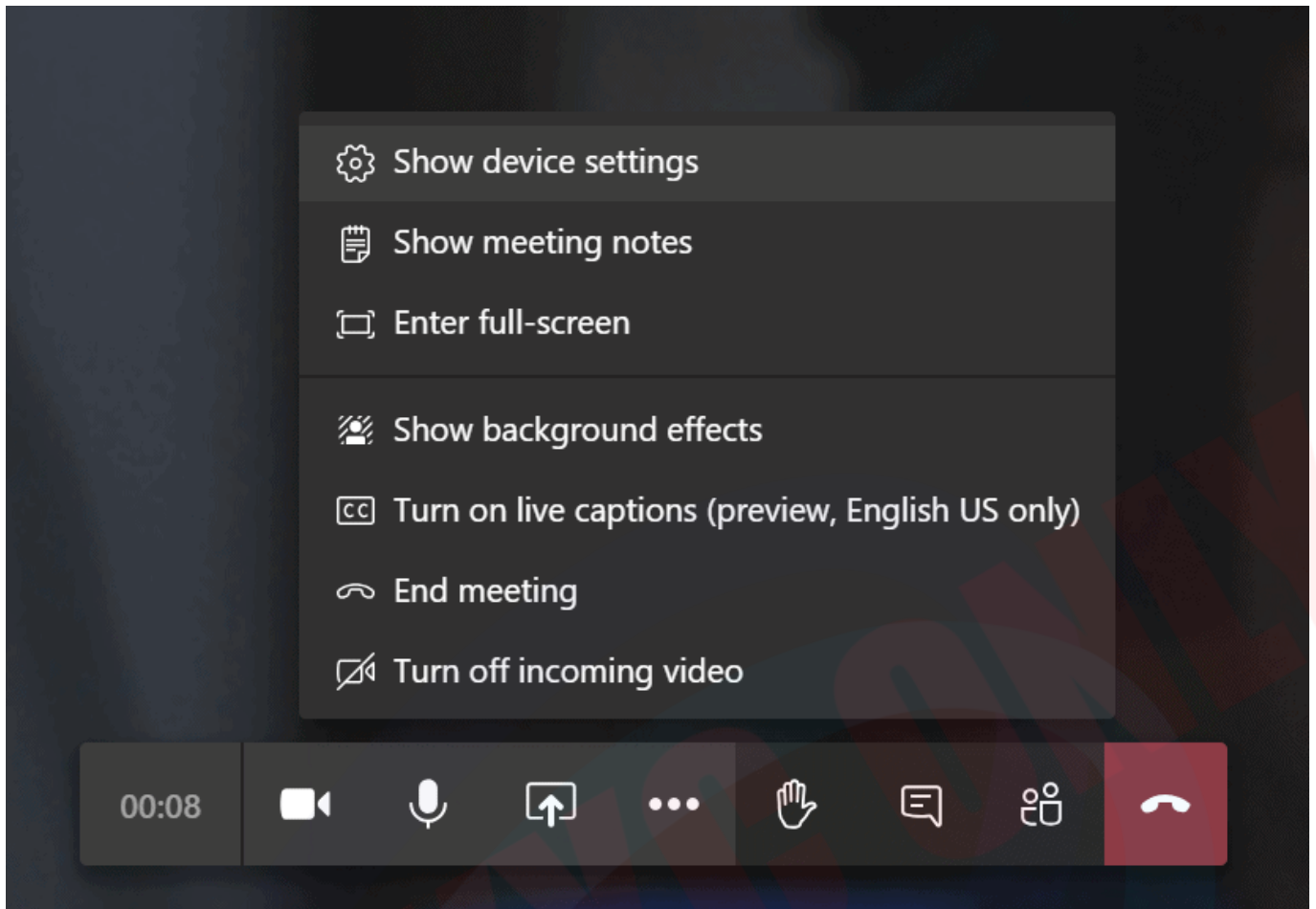
2. The following should work in Skype, Teams, Gotomeeting etc.
3. Make sure to setup your Audio device settings.
4. Your microphone should be set to **NVIDIA RTX Voice**.



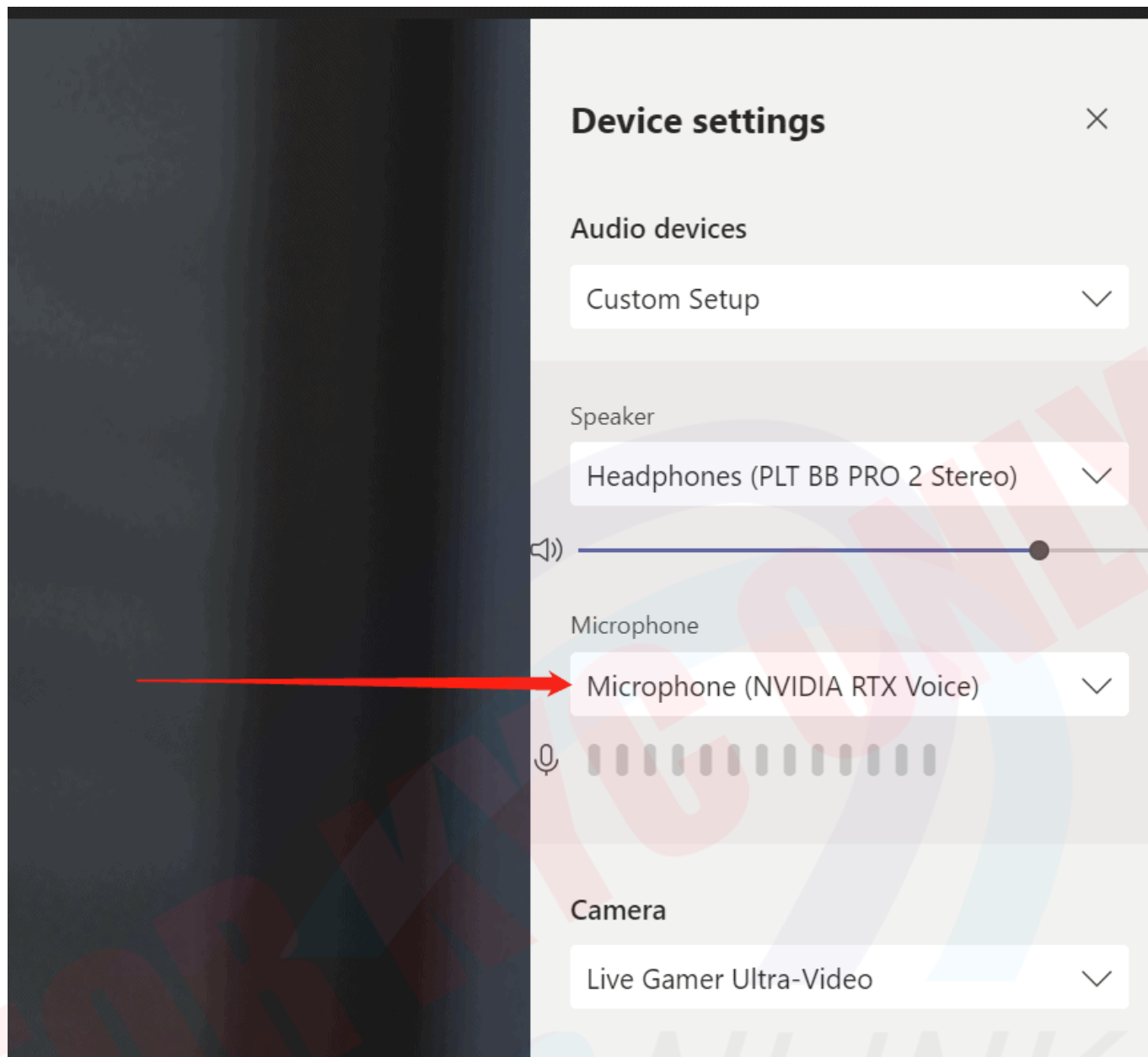
After Installing RTX Voice it should appear in the Task Bar



Setup RTX Voice



Teams Microphone Setup



Teams Select RTX Voice

Pro Tip

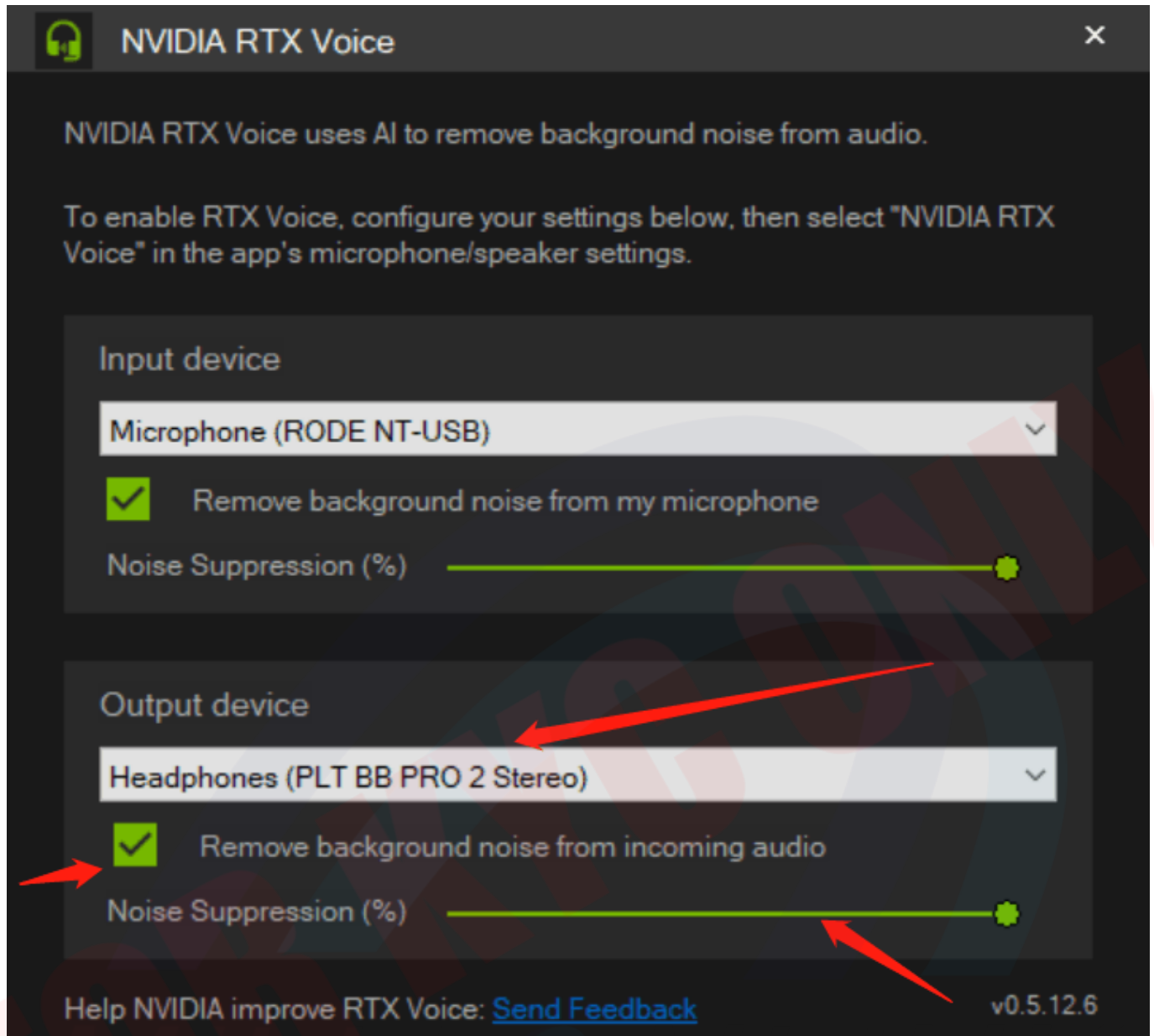
You can actually run the Noise Reducer on your headphones.

You would only do this if

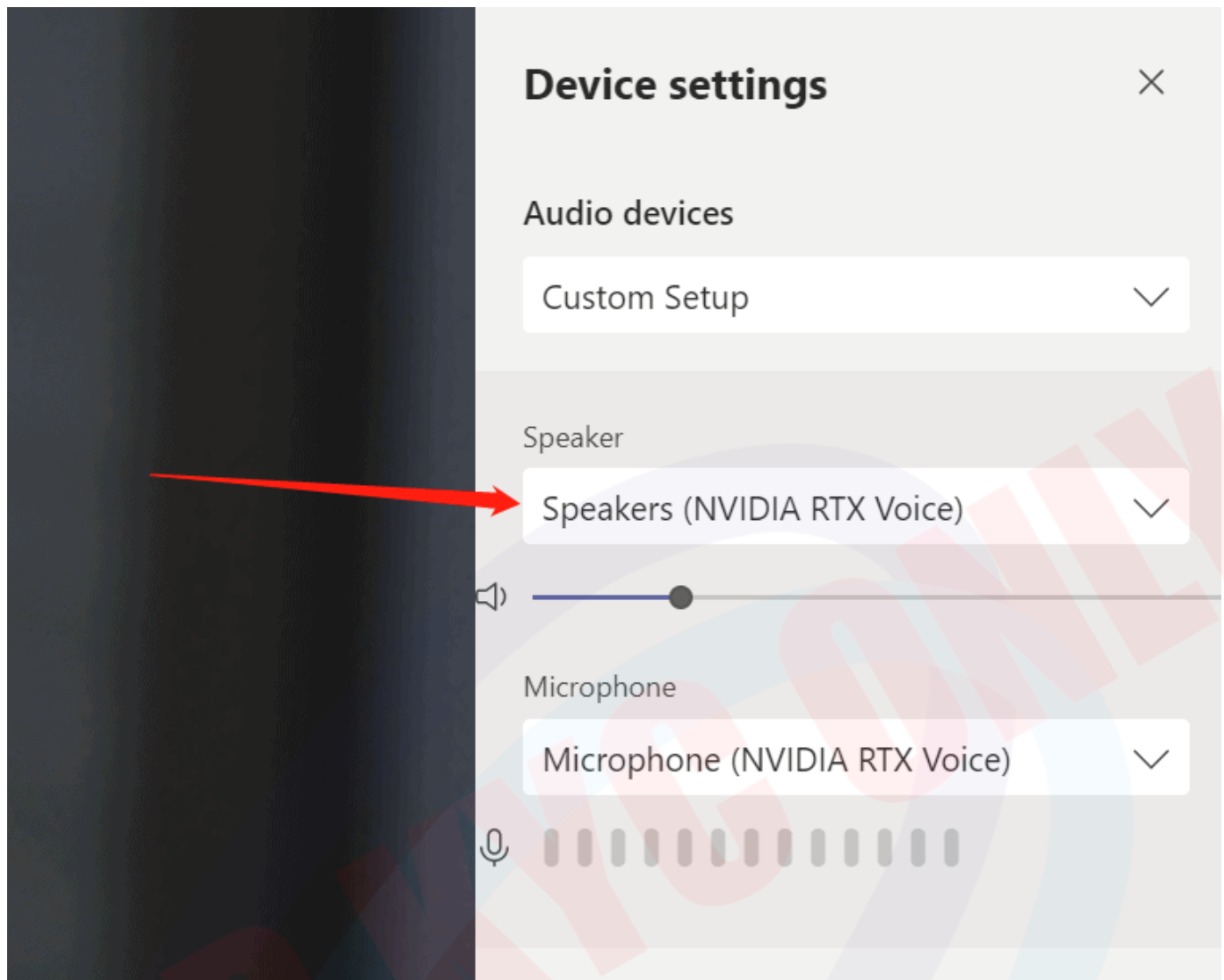
- The person you are talking to has a very noisy background.
- You are listening to a voice recording that was done poorly.

Instructions

1. Setup the RTX Voice on your output device (Speakers or Headphones)
2. Enable the RTX Voice in your application



Enable the Speaker Noise Reduction in NVIDIA RTX Voice



Make sure to select the NVIDIA RTX Voice reduction in your application

Log into the Docker Server

- Login as azureuser to the docker server currently hosted on Microsoft Azure

```
# ssh azureuser@13.70.38.39
```

```
azureuser@AU0S-DockerServer:~$ sudo bash
```

```
root@AU0S-DockerServer:/home/azureuser# cd /docker
```

Branding directory for Jitsi

- There are a number of files in the Branding Directory

- **app.bundle.min.js**
 - JSON file with initial translations
 - "headerTitle": "Million Link Meet"
 - "headerSubtitle": "Resources for the Steel Industry"
 - After an update to the app this file should probably be re-copied across from jitsi-web and edited
 - /usr/share/jitsi-meet/libs/app.bundle.min.js
- **favicon_ml.ico**
 - 64×64 PNG ICO file with Million Link logo
- **main-en.ML.json**
 - JSON file with initial translations
 - "headerTitle": "Million Link Meet"
 - "headerSubtitle": "Resources for the Steel Industry"
- **main-zhCN.ML.json**
 - JSON file with initial translations
 - "headerTitle": "美联会议室",
 - "headerSubtitle": "钢铁行业资源",
- **main-zhTW.ML.json**
 - JSON file with initial translations
 - "headerTitle": "鋼鐵行業資源"
 - "headerSubtitle": "美聯會議室"
- **watermark_ml.svg**
 - a pngfile of the Million Link logo
- **welcome-background-coke.png**
 - a Million Link trade related background image

```
root@AU0S-DockerServer:/home/azureuser# cd /docker/server-jitsi/config/branding
```