SUMURI

AUDIO FORENSICS ON TALINO

Your new TALINO Forensic Workstation/Laptop has been optimized to perform advanced Audio Forensics using the TALINO's powerful GPUs and artificial intelligence.

SUMURI takes pride in helping the Forensic Community with creating simplified solutions that are free or low cost.

This guide will help the investigator set up the TALINO Forensic Workstation or Laptop to extract (or enhance) human voice from an audio file.

Hardware Requirements:

- TALINO Workstation or Laptop with an NVIDIA GPU Card

Software Requirements for TALINO's with <u>newer</u> NVIDIA GPUs (20 series and up)

- Audio Player to play "dirty" audio (example: Windows Media Player)
- Audio Player to export "cleaned" audio (example: Audacity)
- NVIDIA Broadcast

Software Requirements for TALINO's with <u>older</u> NVIDIA GPUs (10 series and down)

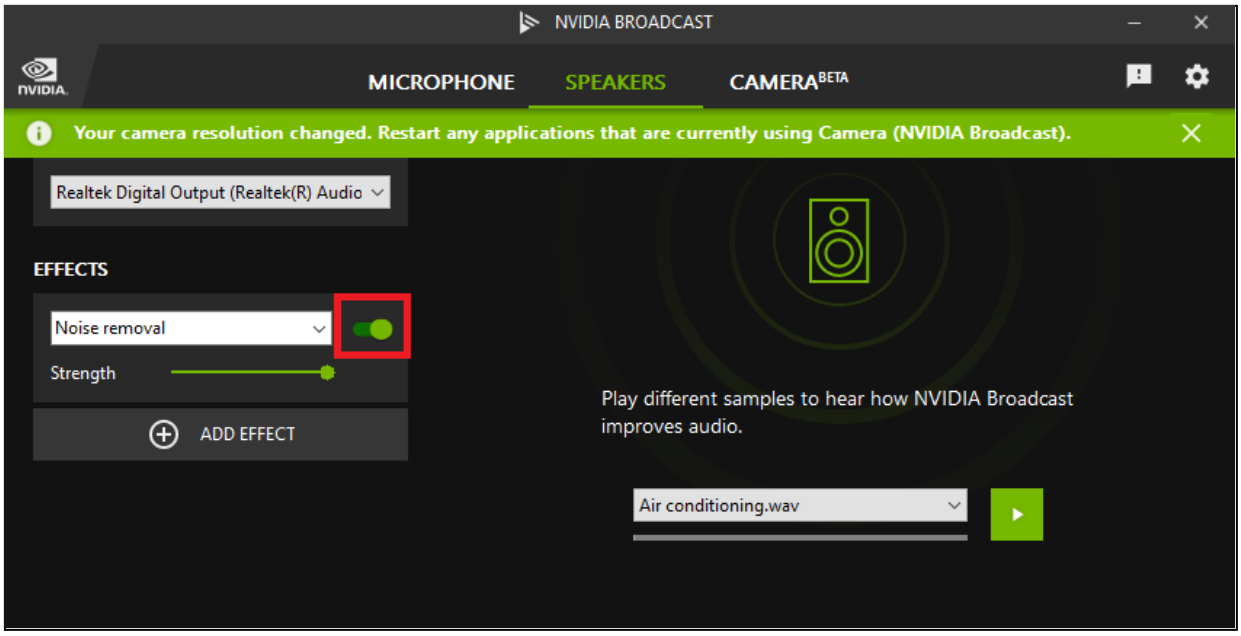
- Audio Player to play "dirty" audio (example: Windows Media Player)
- Audio Player to export "cleaned" audio (example: Audacity)
- NVIDIA RTX Voice

The example below will demonstrate how to extract (or enhance) human voice from an audio file using Windows Media Player and NVIDIA Broadcast.

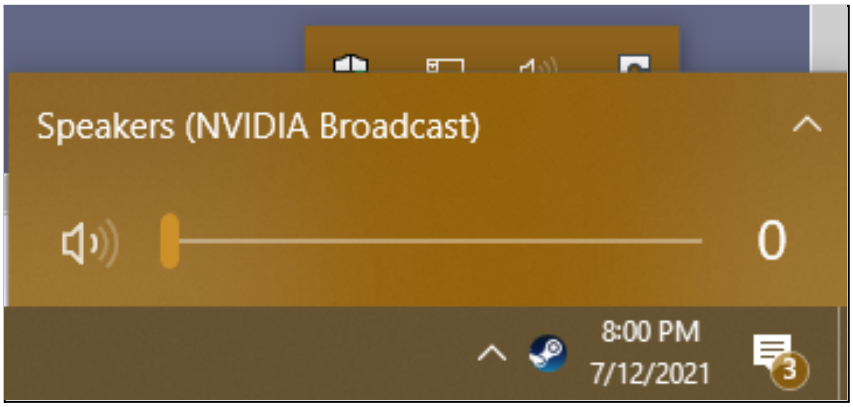
For Producing Clean Audio and Recording It:

1. Have your “dirty” audio file loaded in Windows Media Player and ready to play.

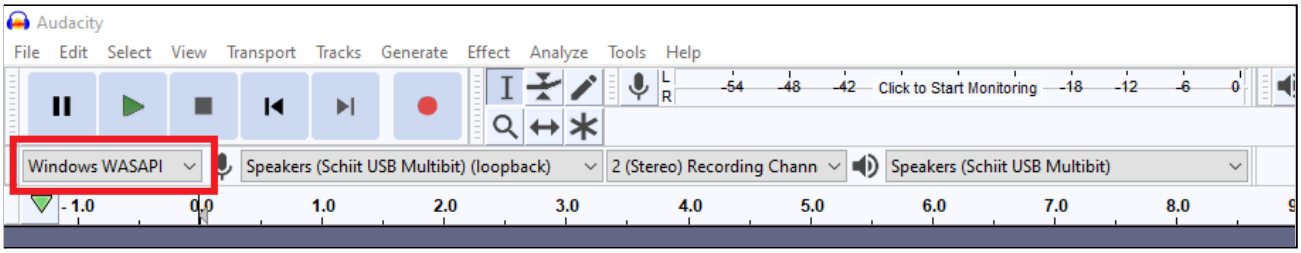
2. Start NVIDIA Broadcast and select the TALINO’s default audio output (“Realtek” in the example below). Under EFFECTS confirm that the “Noise removal” effect is enabled.



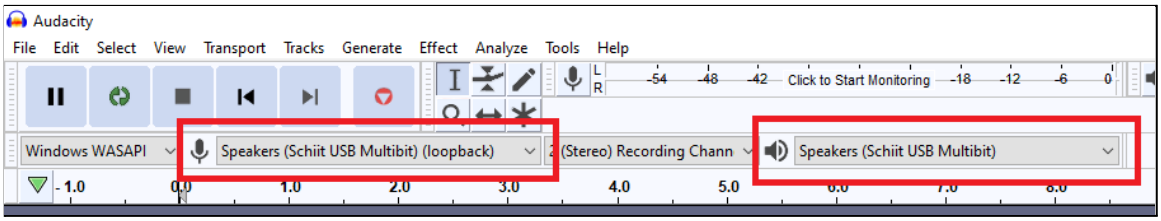
3. Set your Windows output device to NVIDIA Broadcast. This will add the “Noise removal” effect to all the sound outputted from the TALINO.



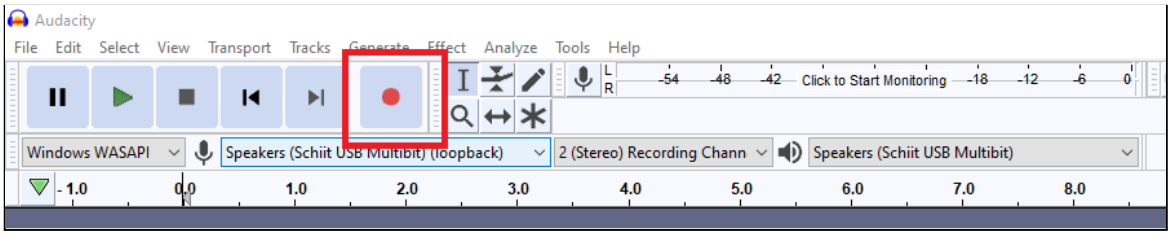
4. Open Audacity to start a blank project, and ensure that the Audio Host is set to “Windows WASAPI”.



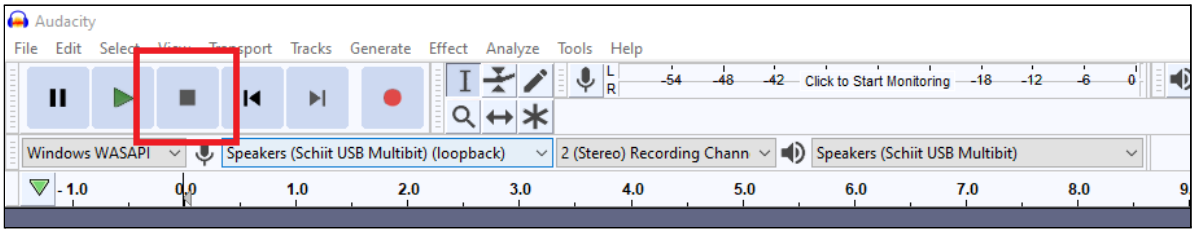
5. Set the “Recording Device” and “Speakers” to the TALINO’s default speakers (“Schiit USB Multibit - loopback” in the example below).



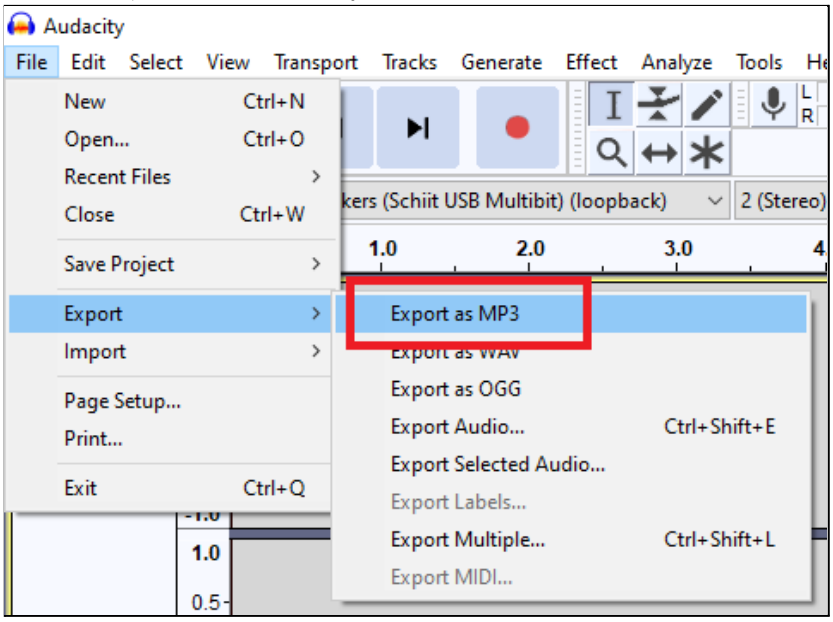
6. Hit the RECORD button in Audacity and then play the “dirty” audio using Windows Media Player.



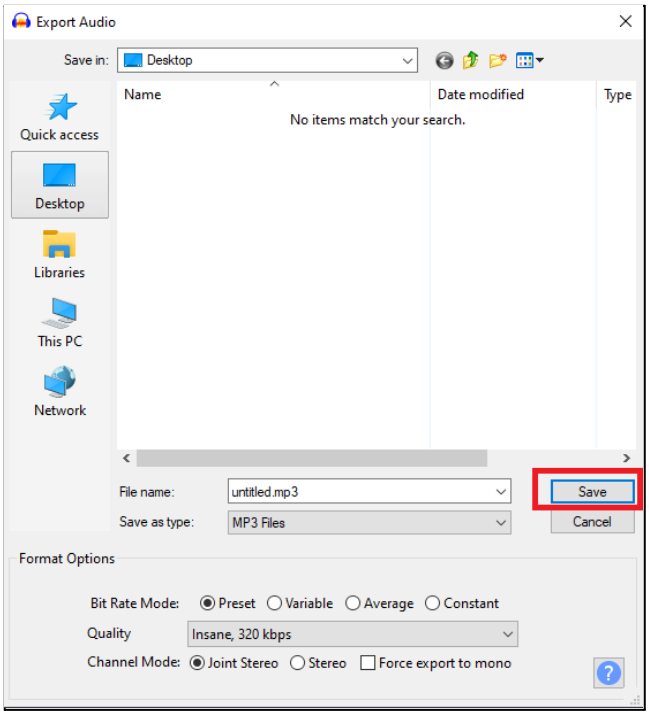
7. Hit the STOP button in Audacity when the clip is finished playing.



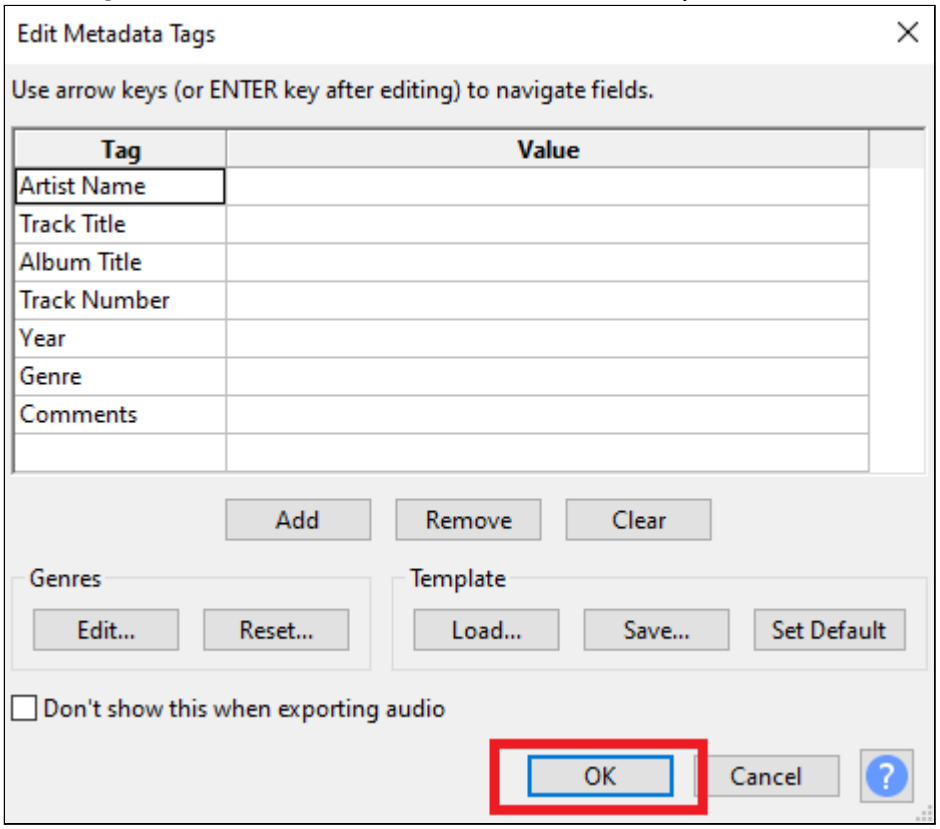
8. In Audacity, go to File > Export > MP3.



9. Enter a name and select your destination for the “cleaned” audio and click “Save”.



10. Entering metadata for the cleaned audio file is optional.



11. Congratulations on using the power of TALINO for Audio Forensics! Please spread the love and share with others that can benefit from this information.