

Objectives

Tips to improve audio quality via

- Capture
- Editing



Why is audio important

- Provides additional informatio
- Improves accessibility
- Sets tone/emotion



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Writing the Script



Why do we need a script

- "Roadmap" to voice over
- Allows us to convert from written to spoken English



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Writing the Script

Written (Formal) English

- Longer, complex sentence structure
- As a rule, does not use contractions
- As a rule, does not use slang or colloquialisms
- Has punctuation
- Rigid

Spoken (Conversational) English

- Shorter, simple sentence structure
- Almost always uses contractions
- May use slang and colloquialisms
- Uses tone in place of punctuation
- Approachable



F Unfortunately, the team *could not* replicate the results.

I Unfortunately, the team *couldn't* replicate the results.

F The students were asked to fill out the questionnaire.

I We asked the students to fill out the questionnaire.

F It was something the protestors could *endure*.

I It was something the protestors could put up with.

 ${\it Excerpted from Language Tool Insights} \ | \ \textit{Understanding The Difference Between Formal and Informal Language in Writing} \ | \ \textit{Understanding The Difference Between Formal and Informal Language in Writing} \ | \ \textit{Understanding The Difference Between Formal and Informal Language in Writing} \ | \ \textit{Understanding The Difference Between Formal and Informal Language in Writing} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal and Informal Language} \ | \ \textit{Understanding The Difference Between Formal Annual Language} \ | \ \textit{Understanding The Difference Between Formal Language} \ | \ \textit{Understanding The Difference} \ | \ \textit{Understa$

Writing the Script

Practice, practice, practice!

- Read your script out loud several times.
- Try different styles/tones of speaking and find your cadence.
- Diction and enunciation.
- Identify words you may have trouble pronouncing.
- If you can, change words or phrases that you find challenging to pronounce.
- Pacing.
- Work out where your pauses are located.
- Breathe normally and note where you take big breaths. You might need to break the sentences up if you feel you are running out of air.





Distracting environment sounds:

Noise associated with a given environment.

- Air movement (HVAC)
- Computer fans

Noise that is loud and disruptive.

- Loud laughter
- Mowing
- Dogs barking





Additional distracting sounds

Clothing

Be aware of buttons or zippers that may tap against the edge of the desk or chair.

Jewelry

Be aware of any jewelry that can tap against desk or chair or jangles (such as charm and stacked bracelets.)

Mouth and nasal sounds

Echo

Furniture movement

Bumping desk, rolling and creaky chairs.

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Capture Space

Give yourself enough room

You should have space to place your script and be able to turn the pages easily.

If you are reading from your display, make sure you're able to view your script on the screen while speaking into your mic.

Have needed items in reach such as pens for quick edits and water.

PROT Don't v

Don't worry about capturing a "flawless take." You can always edit errors in editing. Rather than stopping the capture, take a short pause and then begin speaking again.

Audio Capture Hardware



Microphone (Mic)

USB

All in one – no additional hardware required (plug and play.)
Blue Yeti, Shure MV7, Jlab Talk, Logitech for Creators X, Movo
UM700

XLR

Requires an XLR cable that is plugged into an audio interface. Cannot be plugged directly into a computer. ShureSM58, Rode NT1-A, AKG P420, HyperX ProCast, Audio-Technica AT2020

Headphone mid

Any mic attached to a headset, less superior to USB and XLR mics. Do not recommend for voice over.

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Audio Capture Hardware



Audio Capture Hardware



Microphone Technique

Proximity: Your mouth should be 6" away from the mic, generally the width of your hand (note that pop filters can change proximity.)

Voice Level: Speak at a consistent level.

Pop Filters: Pop filters help to soften splosives and should be placed 1-2" from the mic. When you speak you want to be 1-2" from the pop filter.

Read the User Manual: Not all mics are created equal! Be sure to understand the settings and positioning of your mic.

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Audio Capture Hardware



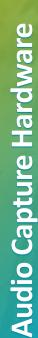
Audio Capture Hardware



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Audio Capture Hardware







Before Capturing Audio

- Don't record if you are ill.
- Avoid consuming dairy products, fruit juices, chocolate, and spicy, fried, or salty foods.
- Warm your voice up by reading through your script out loud at least twice.

NOTE: Talking to co-workers or on the phone is not a substitute for warming up your voice.

PROTIP

Once you click Record, wait at least 5 seconds before beginning to speak to capture the ambient room sound. This captured section of ambient sound is helpful to have when editing.

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Audio Capture & Editing Software

Free Software

- Audacity
- OceanAudic
- WavePad

Paid Software (licensed and one time purchase)

- Adobe Audition
- Avid Pro Tools

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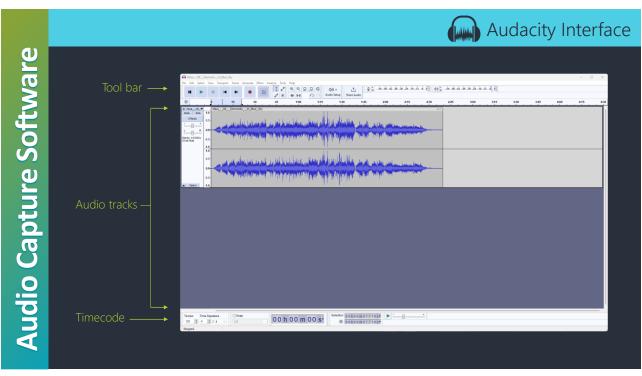
Basic Audio Terminology

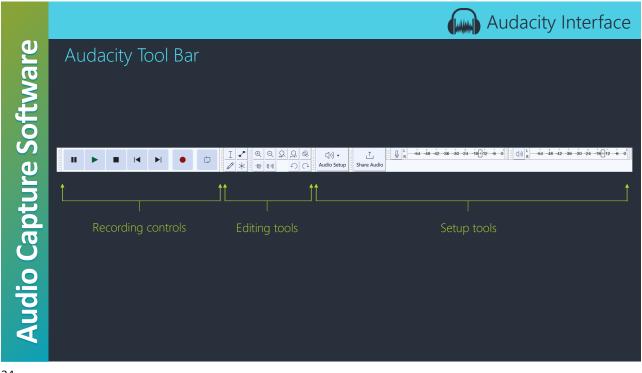
Input audio going out of source (such as a mic) and into the system (such as a computer)

Output audio going out of system (such as audio coming out of a speaker)

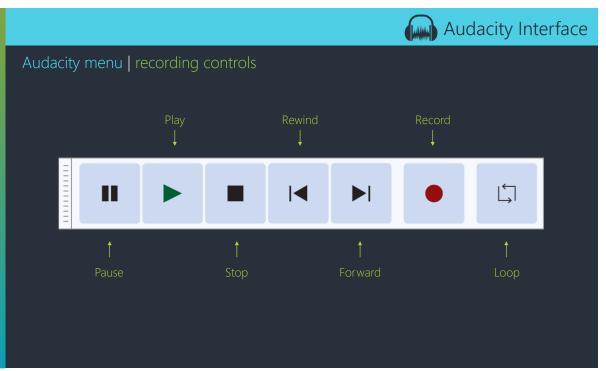
Volume loudness of processed audio from the output device

Gain loudness of unprocessed audio from the input device (mic)



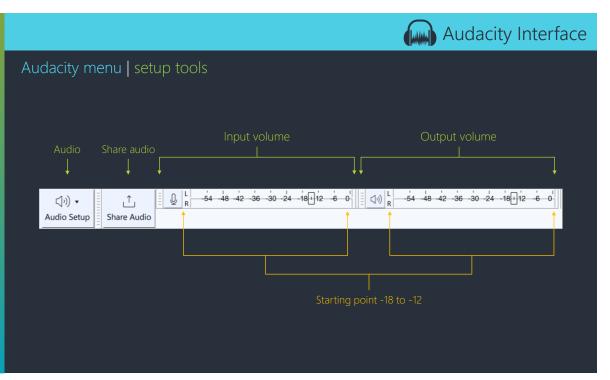


Audio Capture Software



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Audio Capture Software

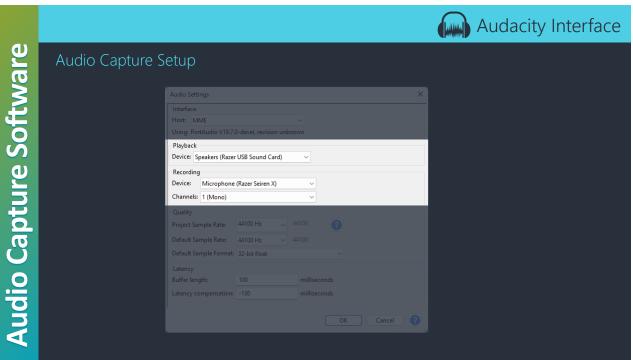


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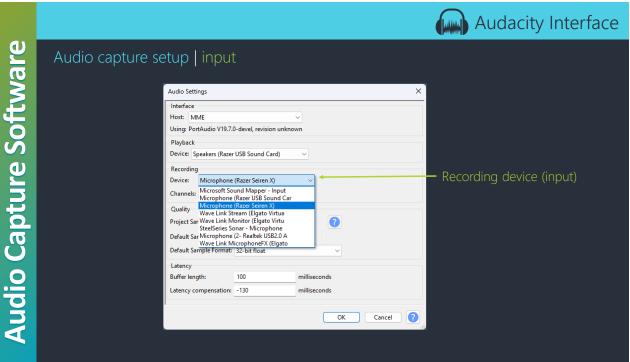
Audio Capture Setup

Audio Setu





Audacity Interface **Audio Capture Software** Audio capture setup | playback Audio Settings Interface Host: MME Using: PortAudio V19.7.0-devel, revision unknown Playback Device: Speakers (Razer USB Sound Card) Recordi SteelSeries Sonar - Gaming (Ste Device: DELL S3220DGF (NVIDIA High Defi SteelSeries Sonar - Microphone Channe SteelSeries Sonar - Media (Stee ASUS VG32VQ1B (NVIDIA High Defi Quality Speakers (Razer USB Sound Card) Quality Speakers (Razer USB Sound Card Wave Link System (Elgato Virtua Project SteelSeries Sonar - Chat (Steel 0 Default Default Default Wave Link Game (Elgato Virtual) Default Wave Link Mav (Elgato Virtual) Wave Link Worke (Elgato Virtual) Wave Link Worke (Elgato Virtual) Wave Link Browser (Elgato Virtual) Buffer of SteelSeries Sonar - Aux (SteelS) Main Speakers (Realtek(R) Audio Latency Wave Link Aux 1 (Elgato Virtual) 0 Cancel







Editing Audio

Why We Edit

The process of editing audio can be subjective and is dependent on capture quality and intended use. While there is no "one size fits all" editing process, all audio can benefit from the following basic steps:

- Remove unwanted takes.
- Tighten timing (removing dead air.)
- Reduce/minimize ambient sound.
- Improve voice quality by compressing high and lows.

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Unedited captured audio Audio edited with Audacity

Editing Audio

Editing Audio

Basic Workflow

- Remove unwanted sections/takes/dead air and shorten extended pauses.
- Apply sound editing filters
 - Noise reduction
 - Compressor (brings highs and lows closer together)
 - Limiter (reduces any residual amplification/distortion issues in highs and lows)
 - Equalizer | EQ (boosts and/or cuts specific frequencies)
 - Normalize (sets volume of audio files in relation to the loudest part