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USER MANUAL FOR ONLINE TEACHING USING MUSIC FOR EDUCATORS

Workbook created by the “Science of Safety” team within the
small scale Erasmus+ Programme partnership project
(2022-2-HU01-KA210-ADU-000098600)

initially used and tested at COURSE 01
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credit to : Erasmus+ Programme SoS project 2022-2-HU01-KA210-ADU-000098600



Disclaimer

Please check the music licensing requirements for your situation, which may vary from country to country.

It is important to purchase each track you wish to use. Please note that subscriptions such as Spotify or Apple Music don't usually include public performance rights.

Account needs

You need a paid zoom account to have sessions that are longer than 40 minutes. First level of the account supports 100 participants. You can up your subscription level to add additional participants. There also is a webinar level offering from zoom which is \$40 per month and has ecommerce options built in.



Don't like Zoom? There are different platforms for streaming audio

<https://livesets.com>

[Mixlr \(livestream\)](#)

Note that you can broadcast directly from most dj software <https://livesets.com>.

But you can't charge people for listening

YOU WILL NEED: TOOLS AND GEARS

- *Laptop*

This is the only tool you really have to have, the rest is optional. But please note that in case you want to work with music professionally it is really recommended to have at least the “mid-ground” setup.

- *HD webcam*
- *Analogue mixer*
- *Cables*
- *USB interface (converter from analogue to digital)*
- *Headphone*
- *Mic*

BASIC SETUP: Use one laptop only and share audio directly

- Connect to the best internet you can. Wired ethernet is better than Wifi.
- If you are running Traktor or other DJ mixer software, select "Zoom Audio device" under preferences and audio settings. The location or existence of this preference may vary depending on which DJ software you are using.
- If you are just using iTunes it may work without selecting audio settings.
- Play your music, lean back and relax.

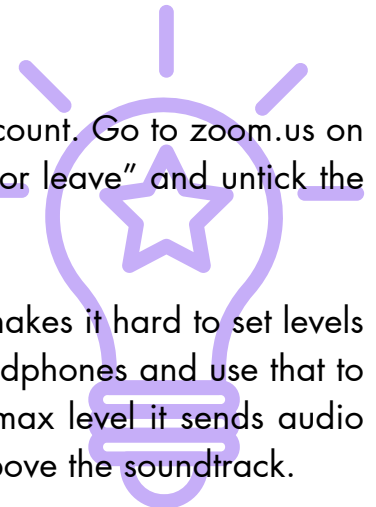
ADVANCED: Use 2 laptops, mixer and full DJ setup

- LAPTOP 1 is to feed the music into a mixer. This laptop has an output to an analog audio mixer which also has a microphone plugged into it with some reverb.
- LAPTOP 2 is to mix the music and feed back the soundscape to Zoom. This laptop is connected to an analog mixer with an output to a USB interface like Scarlett 4i4 or other interface you'd use to get analog sound into a computer.
- Benefits (despite needing 2 computers)
 1. You can see everyone up on the second screen while mixing.
 2. You could mix microphone and music volume to control the balance of what people hear.

DISABLE "suppress persistent background noise" and "suppress intermittent background noise"

TURN OFF the little bell-sound that happens when participants join or leave in settings on your Zoom account. Go to zoom.us on the web, go to in meeting Basic, and scroll to the setting that says "play sound when participants join or leave" and untick the box.

NOTE that you won't be able to hear your microphone and the music through your headphones which makes it hard to set levels if you are talking over the music. What you can do is dial into the zoom on a phone with a pair of headphones and use that to periodically check levels. This ends up working pretty well. Have found that Zoom seems to limit the max level it sends audio through the share, and when you select "automatically adjust mic volume" it seems to place the voice above the soundtrack.



MID-GROUND: 1 laptop and 1 professional mic

Optimizing the Zoom settings cannot overcome the deficits of poor microphones! Most laptops have very basic built-in microphones, and so do some older desktops. Anyone planning to use Zoom extensively to transmit music should invest in a moderately priced USB external microphone. (We recommend the Shure)
It makes such a difference!

No need for mixer, no need for any cables apart from a cable that goes directly from the microphone into your computer.

You share computer sound on zoom for the music.

This gives the best quality music for participants and you can hear the balance between music and voice through your headphones.

You can also hear participants share on zoom through the same monitor.

So much better in terms of sound quality, simplicity and voice quality. There is also a simple online app for the mic where you can make simple adjustments for your voice.

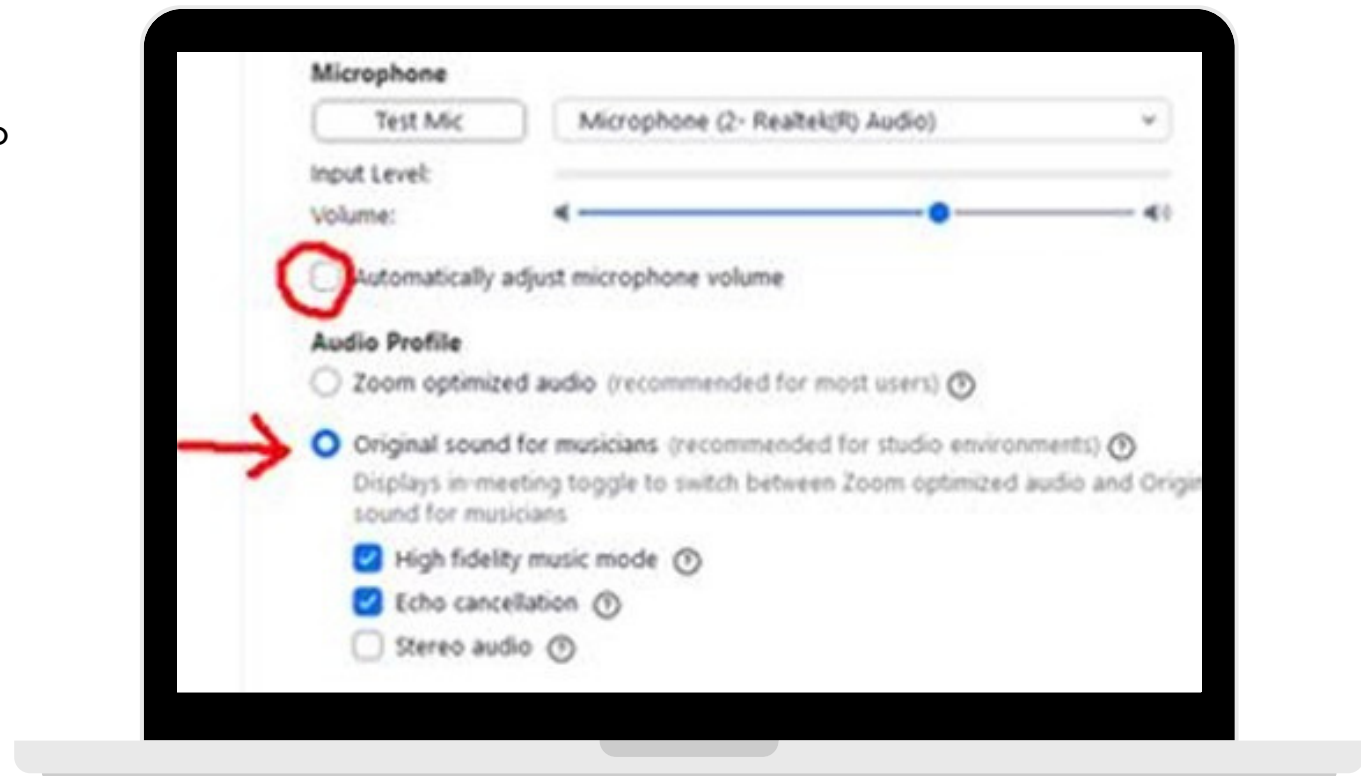
It works perfectly with Quicktime player, iMovie etc.



1. **Update** the App. It's important to run the latest version of Zoom.
2. **Turn On** "Original sound for musicians" also labeled as "High fidelity music mode".
3. **Uncheck** the "Automatically adjust microphone volume" box and increase your microphone volume to over halfway.
4. **Experiment** to see how the other options "Echo cancellation" and "Stereo audio" will affect your connection speed and/or the sound quality for either you or the person on the other end. If they don't support the quality, leave them unchecked.

TRICKS AND TWEAKS

Zoom is not really designed to stream music ...so tweaking the settings seems to help a lot



Remember!

you would want to create a fun and welcoming experience for all. Here are some guidelines to share with your participants before the Zoom sessions.

GUIDELINES FOR PARTICIPANTS

- Be Here Now: If you're joining, please be fully in, no multi-tasking (switch off the other tabs and screens on our device)
- Kindness + Enthusiasm: We are all going through some tough stuff so bring the good vibes and be kind to all.
- Make space: Please clear some physical space to move and mental space so you can get the most out of this experience and not bump into things.
- Respect: If you are sharing your live video feed, please make sure what you are sharing is appropriate for a public setting.
- Wear clothes to move in.
- Have some water nearby.
- You can run Zoom from your browser, but please note that you'll have a better experience if you download the ZOOM software.



*** Good to make sure that you as teacher have enough support: at least one person as tech-help or assistant.*

And a little inspiration for your playlist!

We dance for laughter, we dance for tears, we dance for madness, we dance for fears, we dance for hopes, we dance for screams, we are the dancers, we create the dreams."

— Albert Einstein



FIRE

Unibeat - Nanigo All names -

Juan Mijake Womb Pulse -

Kevin Wrenn

Lebego kertek - Kobza Vajk

Hortari - Worakls Darkness -

Peter Gabriel

Orientations, Pt 3 - Huva

Network TranceTracker -

Dubtrak Astral Ancestral

Awakening -Ojolo

The Awakened Heart - Byron

Metcalfe Primordial Recognition -

Byron Metcalfe Tsubo Dance -

Takashi Kohgo

Gierran - Wimme - from Rough

Guide to World Music The Fear

Theme - Cinematic Orchestra

(written by Kenji Eno) Glowing

Desert - Noor (from Arabic

Chillout)

WATER

Jamie Sieber Existence live -

Hafez Nazeri

Intuition - Dan Levy Sanctis -

Worakls Take Hold of Me - Ane

Brun

Adagio in G minor - Tomaso

Albinoni Orion - Fading Soul

Lacrimosa -Stafan Obermaier

Total Pulchra Es - Ola Gjeilo

Lost Soul - New Mix- Bliss The

Child Within - Seb Meets

Astropilot Ambient Version -

Kaya Project

JOY

Nava - Nagwa Guanaje -

Madeleva Marea - Silvia

Kirchherr

Octopus Joy - Kevin Smuts

Dance Island - Mati Nala

(Outro) – TSHA

Take Five - Fave Brubeck Small

Flowered - Parra for Cuva

Merci - Beqa Zaqradze

Viusu - Cantoma Seve - Radio

Edit - Tez Cadey Obaa Y Ewa

- Pa Joe

Sueño Conn Mexico - Pat

Metheny (from Cafe del Mar

album) So Flute - St Germain

Asaia - Mich Gerber (album

Tales of the Wind)

ANGER

Tomorrow never comes - Rishi
and Harshil Lioness Eye -

Xavier Rudd Move it - Tempel

Step Project

Riptide - Jacob Haage and

Sarah Assbring La rage - Keny

Arkana Tourbillon - Julia Kent

Duality - Tumbara Ajna - Stan

Kolev Zion – Fluke

Yhuko Pappora - Ash Dargan

Strobe's - Nanafushi Shiva -

Ash Dargan

Beeito foi el dia - Micrologus

Ensemble (album Myth) Raqset

el Banat - Reda Darwish (on

Rough Guide to Bellydance)

Shadowman - Afro Celt Sound

System