

A/V Angel Self-Training: Video Mixer

August 15, 2025

C3VOC



<https://github.com/voc/engelschulung>

General

- We will stream, record and publish nearly all talks with your help
- You can operate the cameras and video mixer
- At do-not-record talks we also need angels
- We (people from c3voc) will be there to help
- The live stream video signal will also be the final recording
- We aim for consistent quality, but everybody make mistakes – don't blame yourself!

Video Mixer Tools

Voctomix2 - Overview

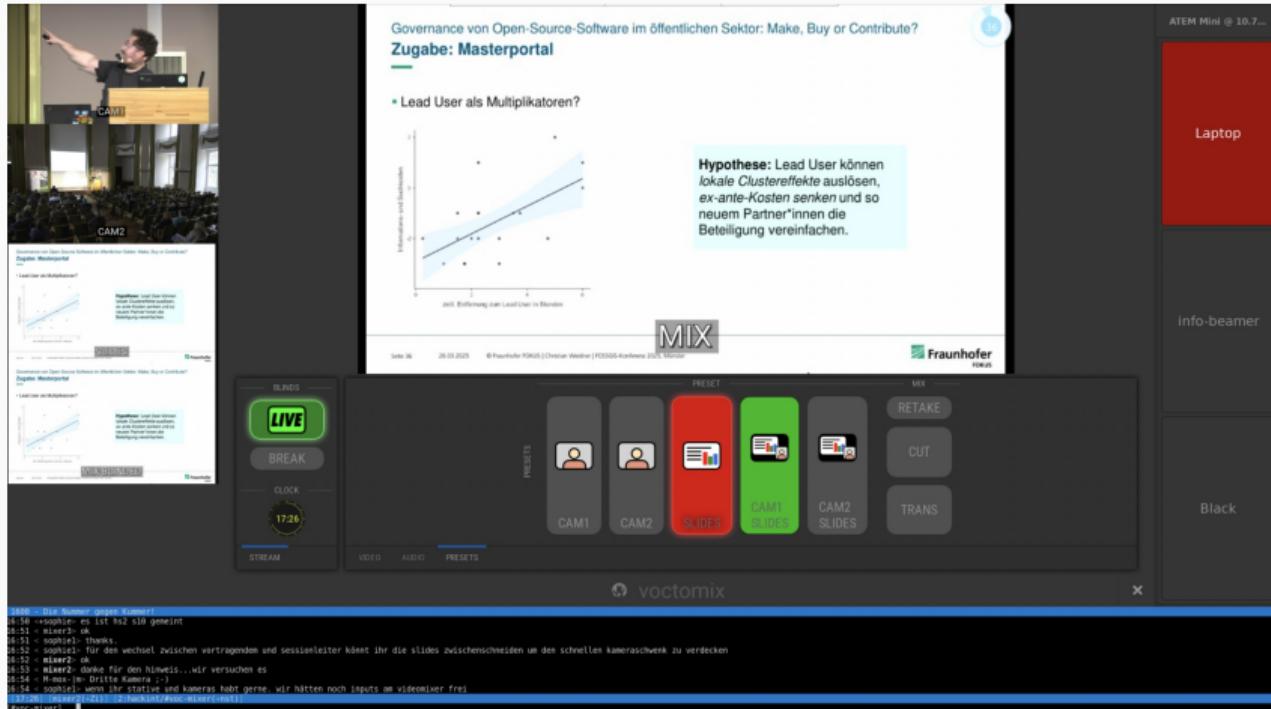


Figure 1: Voctomix2 - Overview (presets)

Mixing with Presets

Voctomix2 - Presets

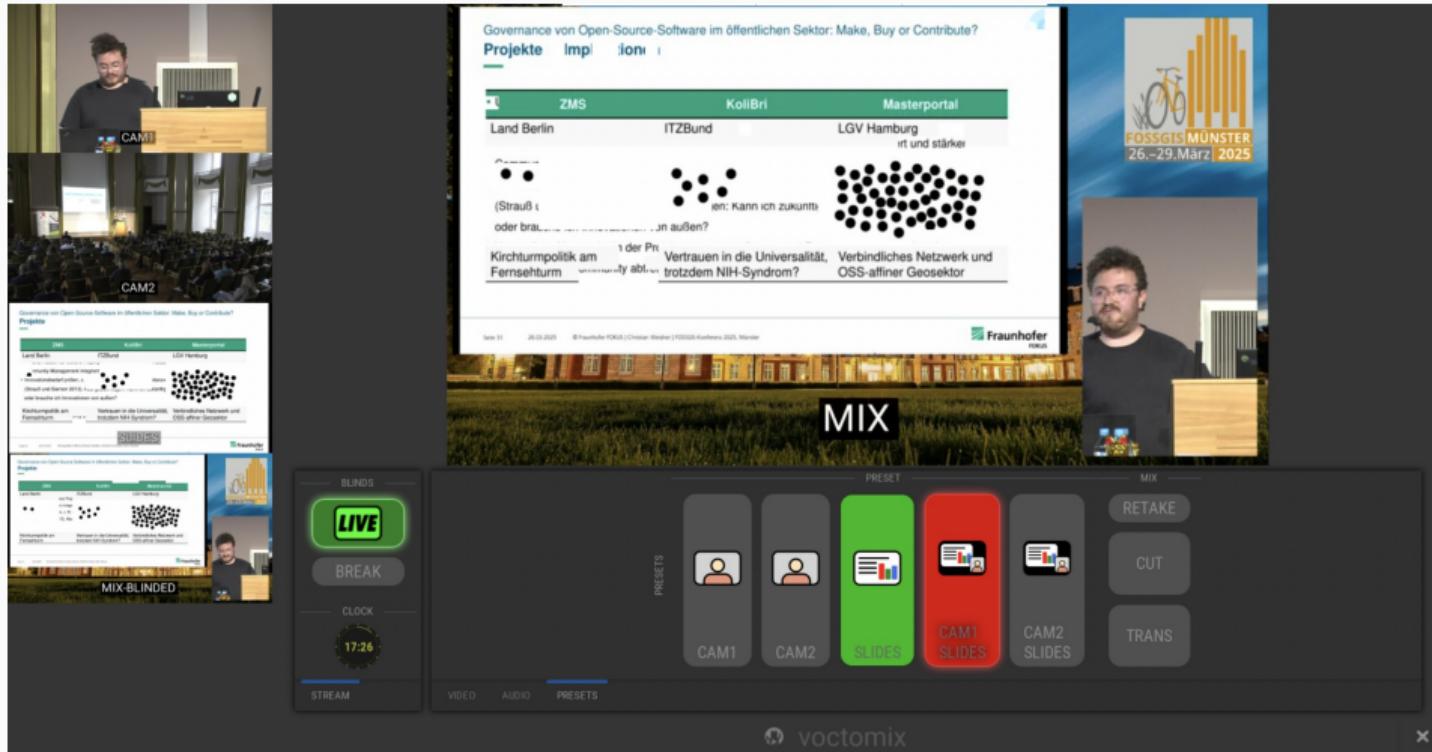


Figure 2: Voctomix2 Presets: Lecture Mode

Voctomix2 - Presets

The image shows a screenshot of the Voctomix2 software interface. At the top, there is a video feed of a person speaking at a podium labeled "CAM1". Below the video feed, a presentation slide is displayed with the title "Governance von Open-Source-Software im öffentlichen Sektor: Make, Buy or Contribute? Zugabe: Masterportal". The slide contains the following text and a scatter plot:

- Lead User als Multiplikatoren?

Hypothese: Lead User können lokale Clustereffekte auslösen, ex-ante-Kosten senken und so neuen Partner*innen die Beteiligung vereinfachen.

The scatter plot shows a positive correlation between "zeit. Entfernung zum Lead User in Stunden" (time distance to Lead User in hours) on the x-axis and "Information und Beziehungen" (information and relationships) on the y-axis. The data points are approximately as follows:

zeit. Entfernung zum Lead User in Stunden	Information und Beziehungen
0.5	0.5
1.0	1.5
1.5	1.0
2.0	2.0
2.5	1.5
3.0	1.0
3.5	2.0
4.0	1.5
4.5	2.5
5.0	2.0
5.5	2.5

The bottom half of the interface shows the Voctomix2 control panel with various buttons and displays. The "PRESETS" section is highlighted, showing icons for CAM1, CAM2, SLIDES, and CAM1 SLIDES. The "MIX" section includes buttons for RETAKE, CUT, and TRANS. The "STREAM" section shows a clock displaying "17:26". The overall interface is dark-themed with green highlights for active sections.

Figure 3: Voctomix2 Presets: Slides Fullscreen

Classical Mode

Voctomix2 - Pre-Select

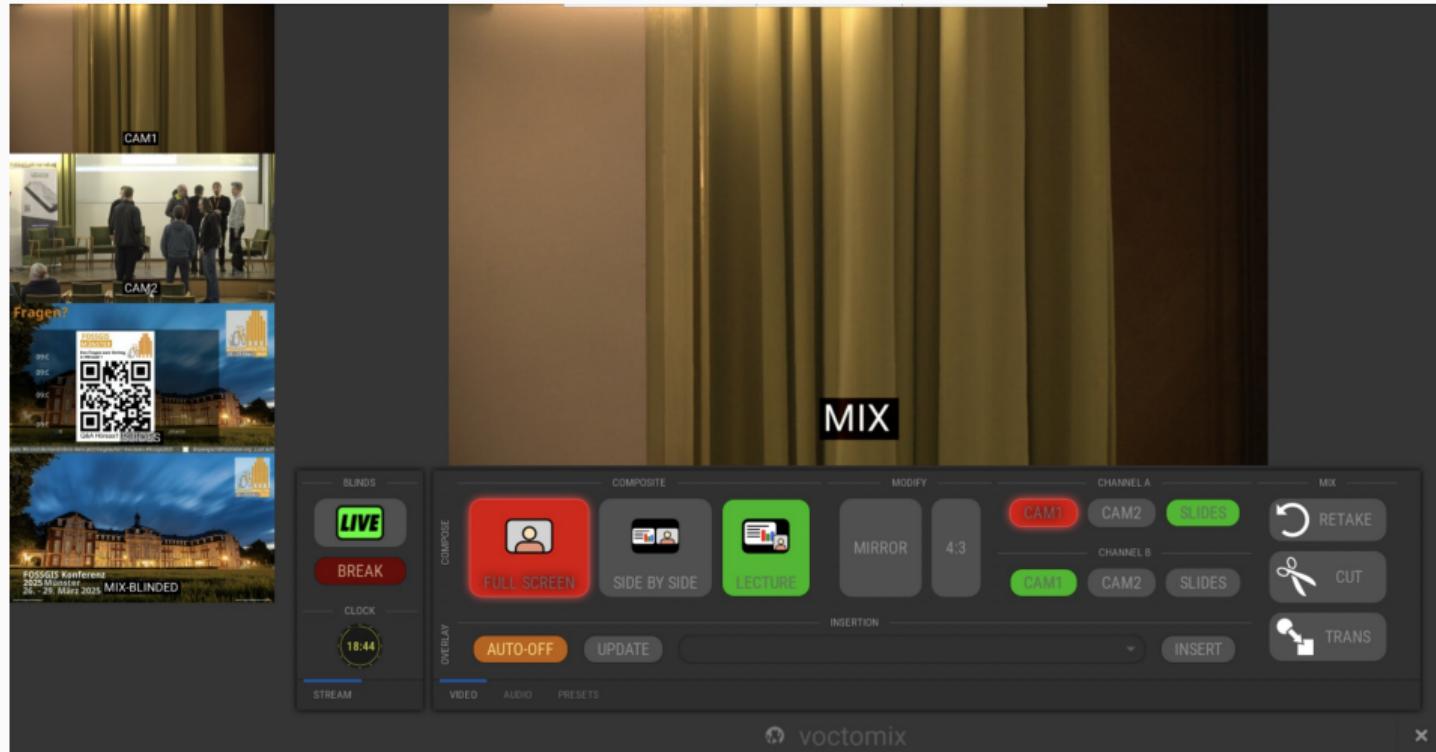


Figure 4: Voctomix2 - Lecture Mode - Pre-Selected

Voctomix2 - Lecture Mode

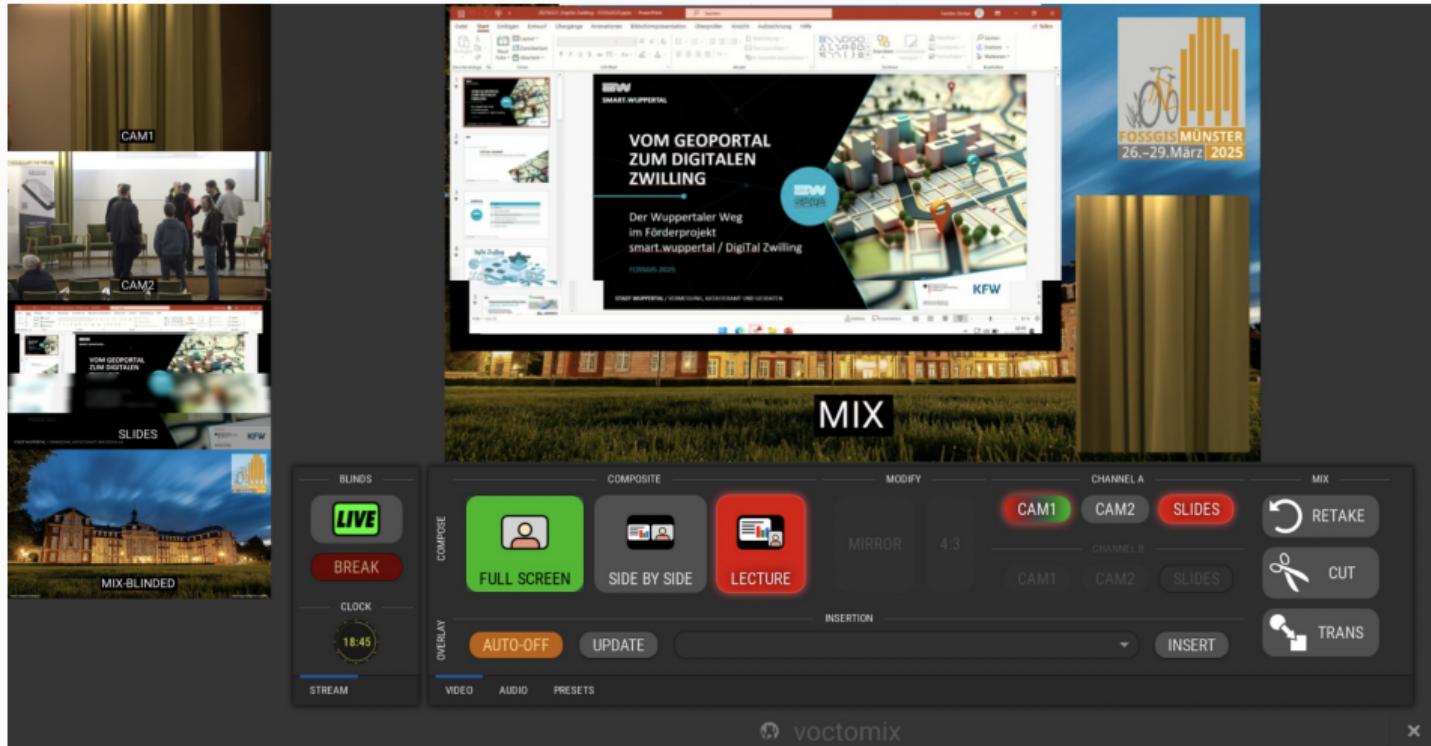


Figure 5: Voctomix2 - Lecture Mode - Live

Vocomix2 - Lecture Mode 4:3

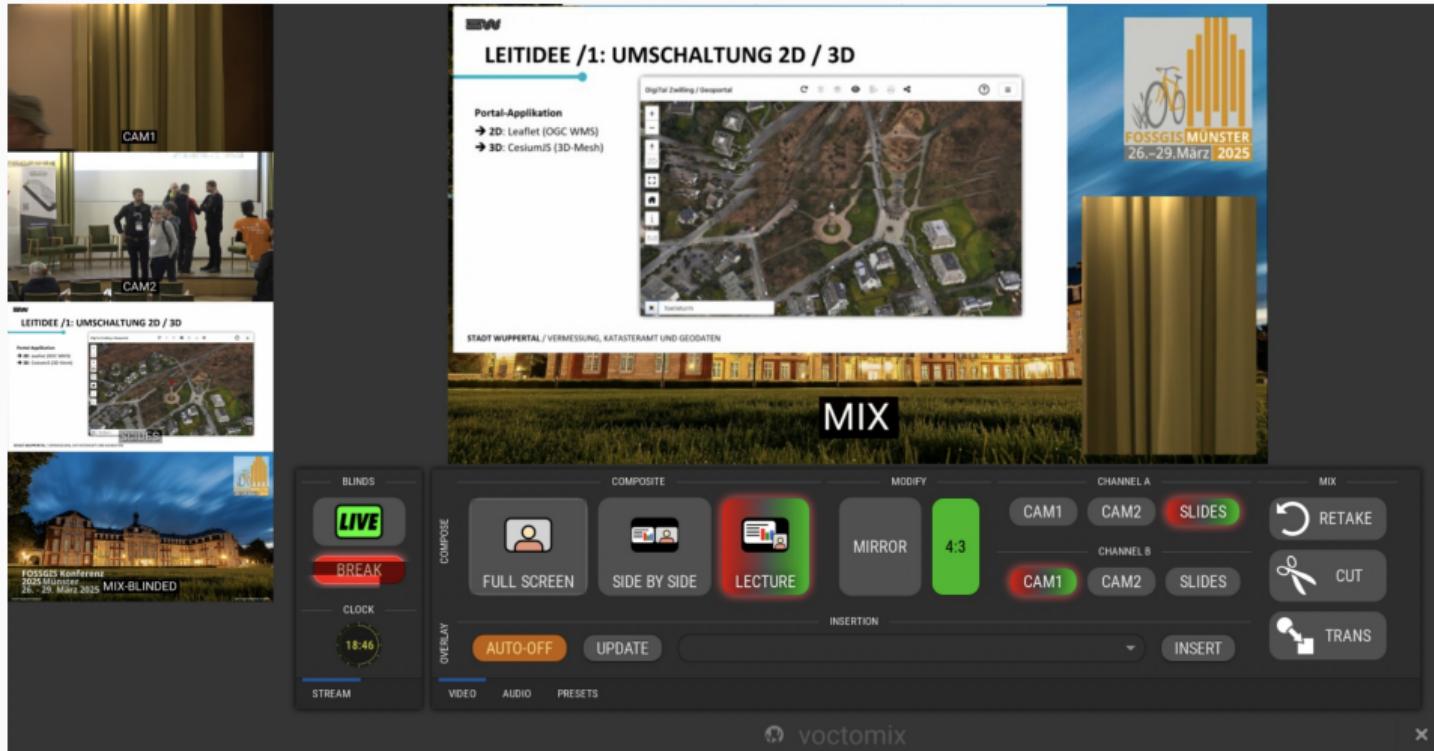


Figure 6: Vocomix2 - Lecture Mode 4:3 - Pre-Selected

Voctomix2 - Lecture Mode 4:3

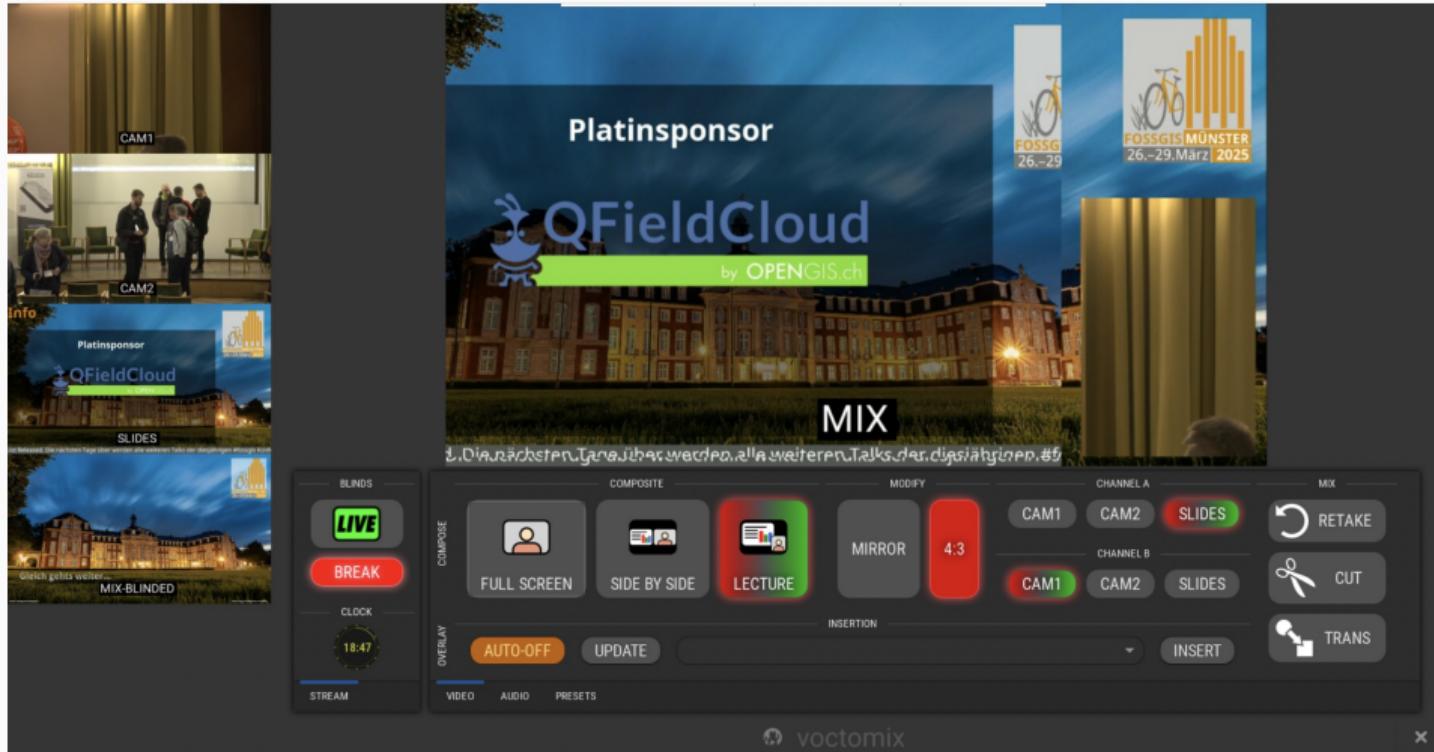


Figure 7: Voctomix2 - Lecture Mode 4:3 - Live

Video Mixing Guidelines

Mixing Guidelines - Hard Rules

- All you are doing is **recorded** and will be published.
- The Audience is **not to be filmed**. Cut away if faces of people not on the stage appear.
- **Slides are important**
- Slides stay on till the text has been read **twice**.
- Show new slides **immediately**.

Mixing Guidelines - Softer Hints

- Start early – opening announcements of the Herald are a good start. Their introduction has to be in the recording and on stream.
- Open wide – Structure the beginning of a talk with shots that set the stage
- The slides in fullscreen – you're dealing with a very small screen. Text has to be readable
- Show gestures – medium-close-up that follows the speakers eye-line
- Don't be too cutty – Pace your videos temperately. Do not cut too often.
- Don't end too early – All questions and answers have to be recorded. The herald ends the talk, not the mixer angel.

Hints

Leave lots of room at the start and end of a talk. Cut away from the infobeamer before the Herald starts with announcements. Cut to the infobeamer only after the last applause has finished.

Audio Hardware

Audio Mixer Controls: Levels



Figure 8: Touchmix Main Controls

- Mute unused microphones (bottom row)
- Adjust hall loudness with rightmost fader
- Adjust individual microphone level with fader or reduce "trim" knob when it's clipping
- Please keep microphones un-muted during applause

Audio Mixer Controls: Second Page



- If mute buttons are yellow, go back to "Main Mix" page
- If anything else is shown, just press "Home" button

Figure 9: Touchmix Second Page

Audio Mixer Controls: Headphones



Figure 10: Touchmix Headphones

- Press "Phones" to adjust headphone loudness
- "Cue" on Camera/ Recoding mix must be selected
- Rotary knob can be used to adjust selected parameter (headphone level, channel level, etc.)

Audio Mixer Controls: Layers



Figure 11: Allen & Heath CQ18T Layers

- Please make sure, to always work on "Custom Workbench D"
- If anything else is shown, contact VOC or A/V-Technician before the talk

Audio Mixer Controls: Levels



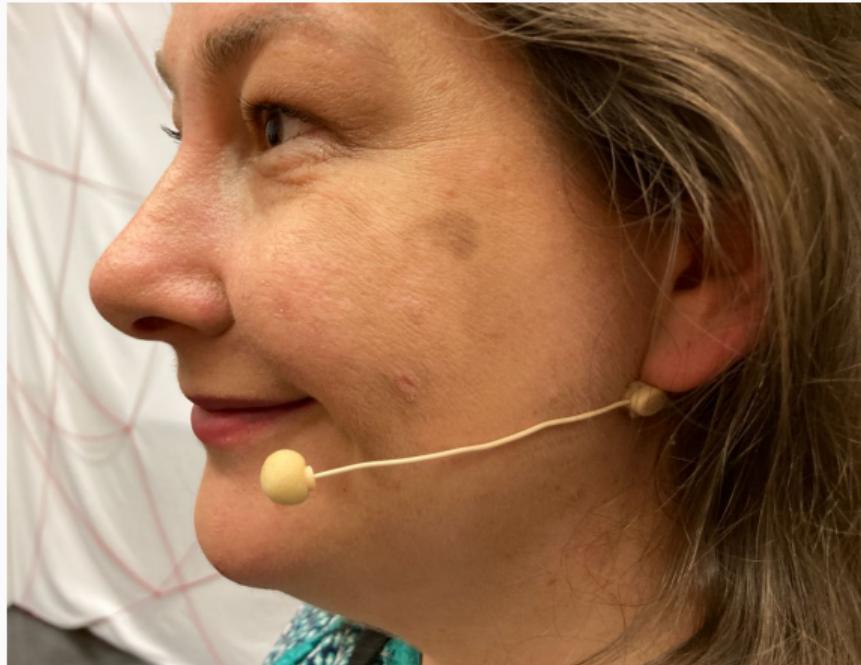
Figure 12: Allen & Heath CQ18T Main Controls

- Mute unused microphones (bottom row)
- Adjust hall loudness with fader labeled "PA"
- Do not use the fader labeled "NEIN"
- Please keep microphones un-muted during applause

Microphones

- We prefer headset microphones over handheld for speakers
- Distance to mouth will be constant -> more consistent audio level
- Handheld microphones for heralds and Q&A
- Our transmitters also have a mute button (yellow light = muted)
- Please check battery level from time to time

Headset Placement



- Microphone shall be at the corner of the mouth
- Boom can slide back and forth
- If too far in front, there will be too much wind noise
- Distance to face: About 2 cm
- Bend boom carefully

Figure 13: Good headset microphone placement

Next Steps

Hands-On Training

- Please do hands-on training!
 - You have to try out voctomix to know its quirks
 - Feel free to try things in a break between talks
- VOC A/V-Techs are there to help you