

Podcast Studio "Emiter"

at the Faculty of Economics and Management,
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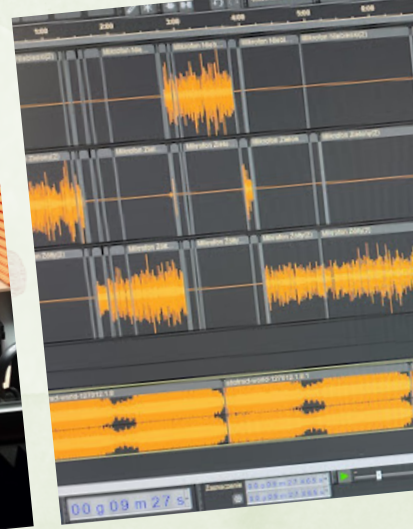
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POSSIBILITIES OF EMITER STUDIO



The studio is located on the second floor of the Centrum Nauka Biznes building at 4 Waryńskiego Street in Opole.

Currently, we have two recording rooms, measuring 19 and 28 square meters each. Each of them is equipped with cameras and a television that can be connected to a portable computer.

The rooms are equipped with high-quality microphones. In total, each room has 5 video sources and the same number of audio input options. Additionally, wireless lavalier and headset microphones can be connected. Everything is supported by additional LED lighting.

The heart of the studio is a 6-square-meter control room with two control windows, allowing real-time monitoring of events in each of the studio rooms. The multimedia equipment includes a modern 8-channel video mixer and a professional digital audio mixer that can record up to 24 audio tracks. Additional equipment includes wireless monitoring for communication with the control room. All of this allows for high-quality recording.

Studio Emiter can broadcast to various video platforms such as YouTube, Facebook, Twitch, Instagram, and more.

The studio is also equipped with portable gear for recording and streaming from all locations at the Opole University of Technology and elsewhere (with internet access). This is based on 4 video sources (Atem Mini Pro, 4 FHD cameras, 40m fiber-optic HDMI cables) and 4 audio sources (wired and wireless microphones, both headset and lavalier).





CONTROL ROOM

(305) 6M2

- Ergonomic furniture built to accommodate available equipment
- Stable internet connection with a speed of 1000/1000 Mbps
- Video Mixer - Atem Mini Extreme ISO - an 8-channel HDMI video switcher with the ability to transmit along with two monitors (multiview and program) and speakers
- Multimedia keyboard - Stream Deck XL - a device that allows customization of tasks to be performed by the Atem Mini Portable computer with a monitor - controls the parameters of the Atem and Stream Deck
- Portable computer Acer Nitro 5 (i5-11400H/ 32GB/ 512/ Win11P/ RTX3060/ 144hz) - for recording and streaming
- Desktop computer with a 32-inch TV for recording and controlling the audio mixer, as well as a stereo tower for monitoring
- Audio Mixer Presonus StudioLive 24.4.2 - a digital audio mixing console with the ability to record separate audio tracks, along with a Logitech 2.1 speaker set, connected to the video mixer
- Two monitors used for the "return channel" - Shure PSM200 - the person sitting in the studio can hear themselves and the other participants, as well as the person in the control room
- Audio Mixer Allen&Heath - controls the monitoring and return channel
- Three Cloudlifter CL 1 microphone preamps (for Shure Sm7b microphones)



GRAY STUDIO

(304) 28M2

The Gray Studio, with an area of 28m², has been soundproofed using gray/graphite acoustic foam "pyramid" panels from GMP Tech - beauty of sound, with a height of 8cm.

The floor has been covered with high-quality certified acoustic carpet tiles measuring 50cm - APAFLOOR. The ceiling is made of gypsum panels with good sound reflection damping properties.

- 3 dynamic microphones Shure SM7b
- 3 microphone arms RODE PSA1+
- 5 XLR microphone connectors (3 connected to microphones, 2 additional free) - connected to the Presonus StudioLive 24.4.2 mixer
- 4 Sony HDR PL650VE cameras
- 4 video tripods 86-196 cm with fluid heads ST-689
- 5 fiber optic HDMI cables (length adjusted according to the distance from the Atem Mini Pro Extreme - maximum 40m)
- 4 LED lights - Fomei LED-100D (100W LED - equivalent to 1000W in traditional bulb - Color Temperature: 3000-8000K)
- Panasonic TX-55AS650E television on a mobile stand
- Table with space for 5 microphone arms. The tabletop is covered with soundproofing material. Additionally, 2 connectors with RJ45 sockets and 3 grounded 230V outlets are installed in the tabletop.





ORANGE STUDIO

(306) 19M2

The Orange Studio, with an area of 19m², has been soundproofed using gray/graphite and orange acoustic foam "pyramid" panels from GMP Tech - beauty of sound, with a height of 8cm.

The floor has been covered with high-quality certified acoustic carpet tiles measuring 50cm - APAFLOOR. The ceiling is made of gypsum panels with good sound reflection damping properties.

- 3 dynamic microphones Audio-Technica AT2020
- 3 microphone arms RODE PSA1+
- 5 XLR microphone connectors (3 connected to microphones, 2 additional free) - connected to the Presonus StudioLive 24.4.2 mixer
- 4 Sony HDR PL650VE cameras
- 4 video tripods
- 5 fiber optic HDMI cables (length adjusted according to the distance from the Atem Mini Pro Extreme - maximum 40m)
- Panasonic TX-55AS650E television on a mobile stand
- Table with space for 5 microphone arms. The tabletop is covered with soundproofing material. Additionally, 2 connectors with RJ45 sockets and 3 grounded 230V outlets are installed in the tabletop.



ADDITIONAL EQUIPMENT

In addition to the equipment mentioned above, we also have:

- Pop filters - SPS-1 - 5 pieces
- Multimedia conference presenter - Logitech SPOTLIGHT
- Headphones - Sennheiser HD200 Pro - 2 pieces
- Atem Mini Pro (4-channel)
- Grabber - Aver Media Extreme Cup U3
- TP-Link SG1000D Switch (8-port, 1000Mbps)
- Logitech R700 Presenter
- HDMI signal splitter 1-2; HDMI switcher 1-5
- HDMI converter - DSUB, USBC - HDMI
- Audio Mixer - Behringer XENYX 1202
- Allen & Heath ZED14 Audio Mixer - 2 pieces
- Microphone arms - 2 pieces
- Microphone stands - 6 pieces
- Wired dynamic microphone - AKG D5
- Wired dynamic microphone - Behringer XM1800S
- Wired dynamic microphone - Shure SM58
- Wired condenser microphone - AKG Perception 120 - 2 pieces
- Analog audio mixer - Allen & Heath ZED 1402 - 2 pieces
- Active sound system - HK Audio Lucas 2.1 - 2 pieces
- Active sound system - HK Audio Lucas Impact 2.1
- Analog audio mixer - DataVideo AM100
- Panasonic Camera - AG-CX10ES
- Mobile Lite Chroma Key Green Screen 150x200cm
- HDMI cables: 4x40m, 1x30m, 1x15m, 2x10m, 2x5m, 7x1m
- XLR cables: 4x25m, 1x15m, 2x10m, 3x8m, 4x5m, 4x2m, 2x1m, 1x0.3m
- Multicore XLR - K32 C30 - 24S-8R 30m (Adam Hall - Stagebox)
- Multicore XLR - K12 C10 - 12S 10m
- Multicore XLR - K12 C50 - 6S-6R 50m
- 4x2m, 2x1m, 1x0.3m





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Studio Emitter was built on the solid foundation of "Studenckie Radio Emitter" (Student Radio Emitter), which has a history dating back to the late 1960s.

Now, Emitter is a well-equipped podcast/recording studio. It is here that we hold meetings with interesting people from both our university and its surroundings.

Some activities conducted at the Faculty of Economics and Management have already moved to this space.

For those who would like to see what the new Studio Emitter looks like, we invite you to take a virtual tour at www.emiter.po.edu.pl.

The initiator and supervisor of the new version of "Emitter" is Krzysztof Kasza from the Faculty of Economics and Management at the Opole University of Technology, the university's multimedia representative:

- Email: k.kasza@po.edu.pl
- Website: <https://k.kasza.po.edu.pl>

**We invite both university employees and students
to engage in multimedia projects.**

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