



BÖRZE RESTAURANT

A high-quality, Grand Café-type café and restaurant located in a frequented part of downtown Budapest. After detailed consultations with the owner and several on-site surveys, we installed a high-quality sound system in the sophisticated, designer interior.

From an acoustic point of view, the vaulted ceiling of the restaurant presented a challenge, as it caused significant reverberation. To establish sound homogeneity, we placed several speakers with direct radiation which ensures the appropriate sound pressure in each area. According to the needs, we created 4 sound zones:

1. Outdoor
2. Restaurant
3. Bar area
4. Shop, guest area and basement (a separate amplifier provides basement volume control)

The central controller, amplifiers and signal sources were built into the furniture. The system is controlled and the audio signal paths are switched by a digital audio matrix control panel.

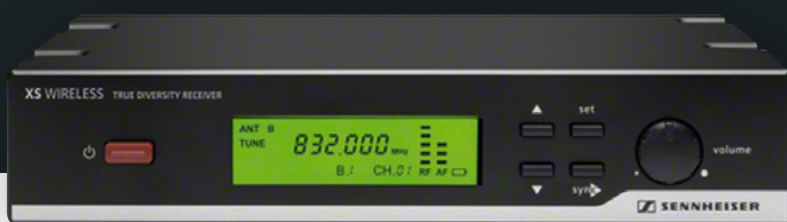
Amplifiers with a digital sound processor connected to the zone outputs of the matrix operate the speakers for background music. Adequate sound on the ground floor is provided by 13 4" high-quality satellites and 3 12" hidden subwoofers. The sound in the basement rooms was solved with subceiling-mounted, two-way, 5.25" loudspeakers and the installation mixing amplifier that supplies them, which is also connected to the central system.

Audio players and a microphone are connected to the analog inputs. The AV system includes another background music player unit (provided by the customer), a XMP44 tip modular network music center with internet and FM radio modules, as well as a media recorder and player module, and a XSW 65 tip, wireless, manual microphone set is also available for voice announcements.

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The system is configured and controlled by a special PC-based server program that provides software options for various music settings and for setting priorities. It is operated manually from the system's front controls or iOS smart devices.

An iPad Mini2 and software were provided as a control unit. It is possible to play pre-recorded, timed audio content from several sources at the same time (e.g. background music, emergency announcement, information communication). The signal transmission of the wireless microphone system is made possible by the active receiver-transmitter combination in the restaurant area.



- Audac MTX48 4-zone, digital audio matrix control panel
- Audac XMP44 modular network music center
- Audac IMP40 internet audio player module
- Audac TMP40 FM radio module
- Audac MMP40 media player and recorder module
- Seeburg i4 satellite loudspeakers
- Seeburg G Sub 1201 subwoofer
- LAB.GRUPPEN D 20: 4L and IPD 2400 digital amplifiers
- Audac COM3 installation mixing amplifier
- Audac CS85 and CS55 two-way recessed loudspeaker
- Sennheiser XSW 65 wireless microphone set
- Apple iPad Mini2 tablet for touch screen control

DEVICE LIST