

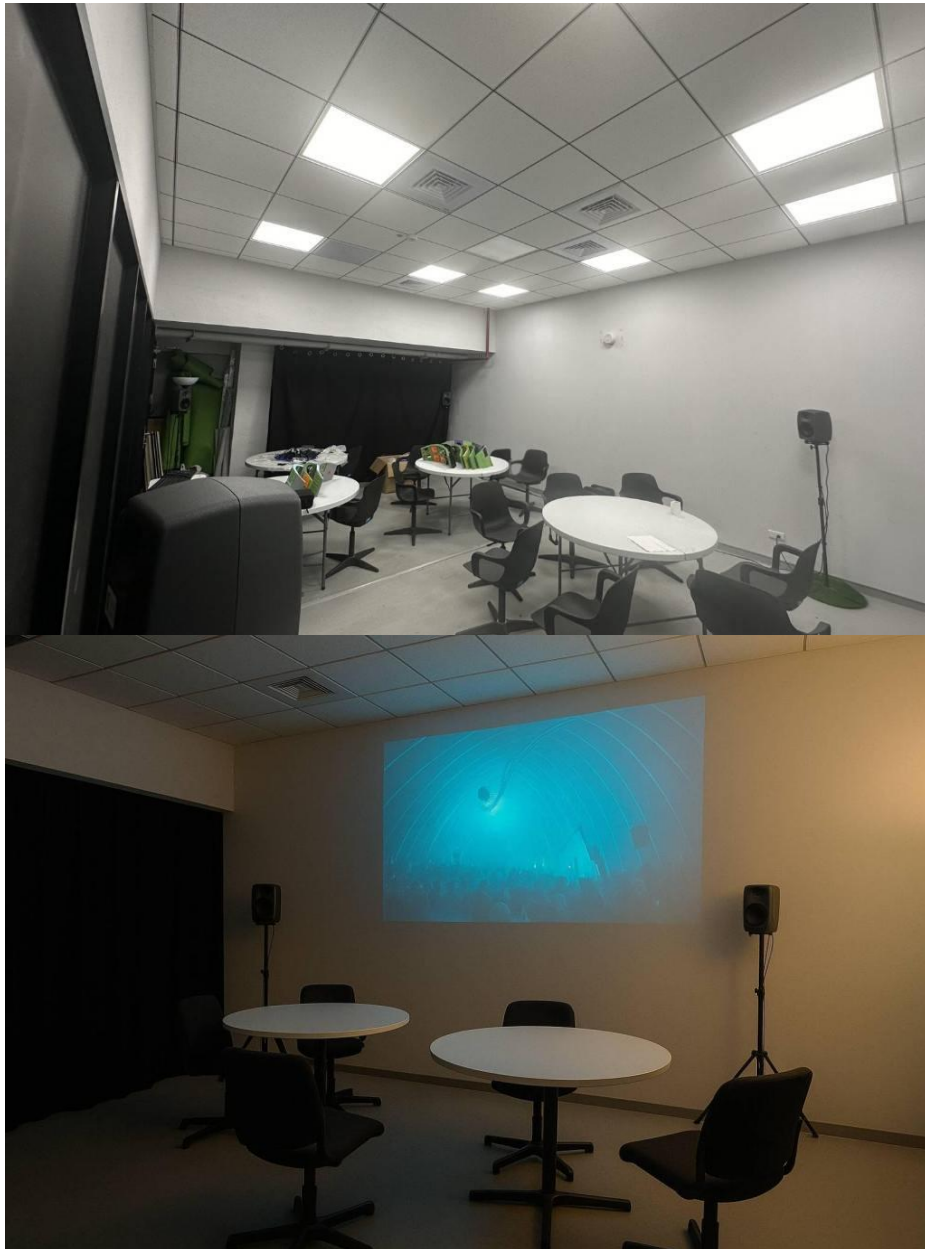
C-LAB Taiwan Sound Lab

Studio 2 & Studio 3 - Technical Specifications

Information

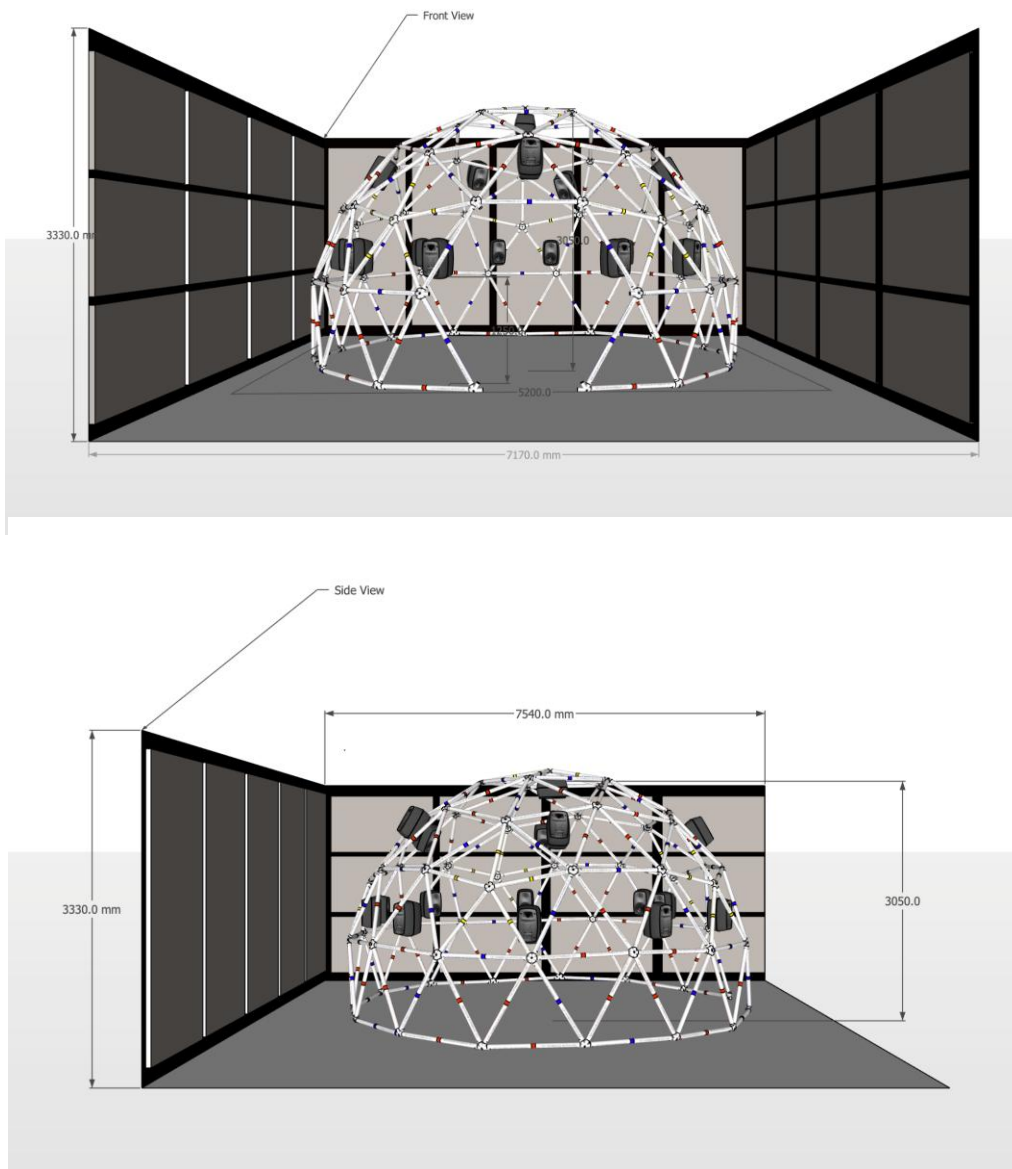
Studio 2

The studio is equipped with a 4-channel sound system, suitable for presentations and workshops. For additional technical equipment such as projectors, please contact Taiwan Sound Lab in advance.



Studio 3

This studio features a 16-channel sound system with Genelec 8030C speakers and a Behringer X32 Rack digital mixer. It is ideal for creative development, rehearsals, spatial mixing, and sound technical demonstrations. The optimal listening zone is recommended for no more than 10 people at a time. For additional technical equipment such as projectors, please contact Taiwan Sound Lab in advance.



Power Specifications

Studios 2 and 3 are equipped with standard Taiwanese electrical specifications: 110V, 60Hz. Users are advised to bring their own adapters. Supported plug types are Type A and Type B.

Precautions

Neither studio is equipped with professional lighting fixtures (e.g., LED PAR lights or moving heads), and ceiling installations of any equipment or artworks are not permitted.

Food and drink are strictly prohibited in Studio 3.

Gray Box - Technical Specifications

Information

- Applicable Activities

Performing arts productions, creative rehearsals, press conferences, workshops, lectures, seminars, forums, and online live broadcasts.

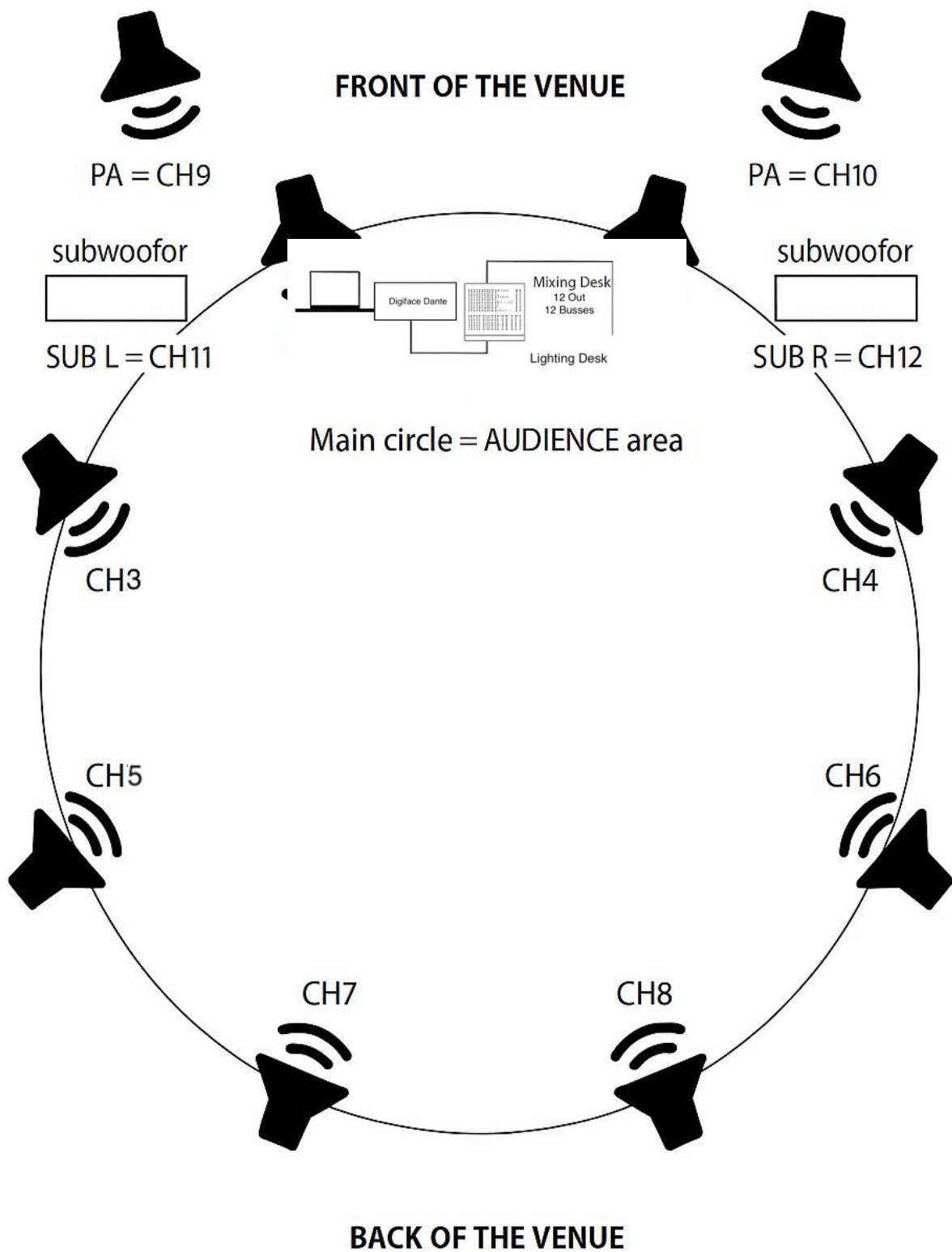
- Dimensions

Height: 3.6 meters, Depth: 15 meters, Width: 12 meters, Total area: 211.4 square meters

- Audio System Configuration

The venue is equipped with an octophonic speaker system arranged in a circular layout surrounding the audience area, with an additional stereo PA system and subwoofers at the front. The system includes:

- 8 full-range speakers (CH1–CH8) positioned in a circle for immersive playback
- 2 PA speakers (CH9, CH10) located at the front of the venue
- 2 subwoofers (CH11 = SUB L, CH12 = SUB R) also located at the front





Precautions

- This space is furnished with fabric wall coverings and carpeted floors. Food and beverages are strictly prohibited.
- Drilling into the ceiling or suspending equipment is not allowed. Washing of paint- or cement-related tools is prohibited in the restroom.

- Fire safety equipment and emergency exit signage must not be obstructed or disconnected from their power sources.
- For additional technical equipment such as projectors, please contact Taiwan Sound Lab in advance.
- Opening electrical panels or tapping into the power supply without prior consent from the venue management is strictly prohibited.
- Only in-wall power outlets (120V) are available for use. External power connection via electrical panels is not supported.
- Except for low-voltage systems, the use of extension cords with a conductor size below 1.25mm² is not permitted on site.

Power Specifications

3-phase, 4-wire, 208V/120V, Main Circuit Breaker (NFB): 50AT

C-LAB Taiwan Sound Lab Spatial Audio Field

Technical Specifications

Introduction

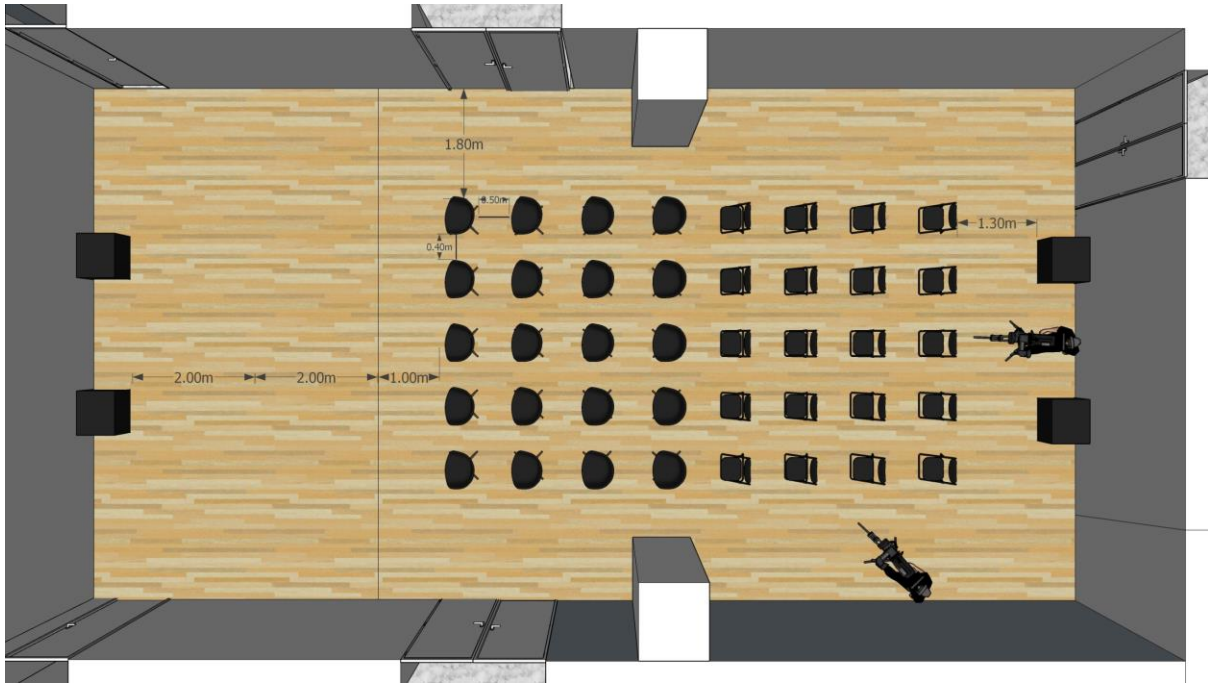
- The Spatial Audio Field was built in collaboration with the Institut de Recherche et Coordination Acoustique/Musique (IRCAM). The sound system of this venue is equipped with 49 independent coaxial differential discrete technology speakers and 4 subwoofers. The Stereophonic Field uses 3D Audio spatial audio technology, which can fully simulate and restore the soundscape, and supports experimental creation and theatrical performances.
- It supports a variety of spatial audio technologies, including high-order Ambisonics, VBA P (vector-based amplitude panning), and other multichannel surround technologies."

Size of area

- 121 square meters.

Maximum audience capacity

- Without seating and without staff, it is recommended that there be a maximum of 70-80 people.
- The default stage depth is 5m from the audience seats, and for the best listening experience, it is recommended that the number of people not exceed 60.



Event Formats and Technical Support

- Exhibition, workshop, forum, creative development, and rehearsal, etc.
- Based on the case of the application, one sound engineer from Taiwan Sound Laboratory will be arranged for the basic handover and consultation of surround technology and audio system setup, but no on-site implementation and 3D Audio spatial audio mixing services are provided. It is recommended that the team have an understanding of 3D Audio spatial audio mixing technology or execution personnel.
- If the team requires instruction on the operation of 3D Audio spatial audio technology software, or advanced surround mixing execution, additional fees based on internal personnel charge standards will be added.

Audio system and audio interface

- [49 MARTIN CDD5](#)
- [4 MARTIN Blackline X118](#)
- [Allen & Heath dlive CDM32](#)
- [Allen & Heath dlive C1500](#)
- [Allen & Heath Dante 64x64](#)

- [Dante Virtual Soundcard](#)

Computer and software

- Apple M1 Ultra with 20-core CPU, 48-core GPU, 32-core Neural Engine 64GB unified memory 2TB SSD storage
- [Spat](#) 、 [Panoramix](#) 、 [Spat Revolution](#)
- Ableton Live 、 Reaper 、 Audition 2022
- Max/MSP
- GRM Tools Complete II

Power specification

- 208/120v 3P4W 75A ， 20A 2P 208V NFB

Precautions

- No open flame, no carrying food and liquids, no smoking and all smoke, no spray. °
- If nailing, pasting, drilling, spray painting, carving, or directly hanging, tying, framing, moving, dismantling is needed on the building walls or ground or existing facilities, it must be approved by the TSL before implementation and restored to its original state after.
- Arbitrarily changing and dismantling the position of 49.4 audio speakers is prohibited.
- If the hardware equipment is severely damaged due to intentional damage, compensation must be made at cost.
- Fire escape facilities and indicators must not have their power sources covered or removed.

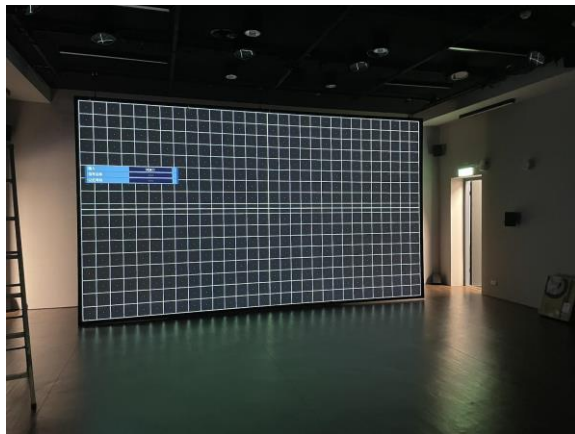
Spatial Audio Field



Performance Room



Audio System



Screen & Projector



Activity overview



Folding chair (40)
W 45 cm*D 47 cm*H 76 cm



Swivel chair (20)
W 68 cm*D 68 cm*H 90 cm