

Specifications

Digital audio matrix

- A digital audio network is used to distribute the various audio signals. Halls and Rooms 1, 2, 3, 4, 5, 13 and 14, as well as the control center, are integrated into a Dante digital audio network.

The individual installations each consist of a sound control room, the stage, the playout amplifiers including DSP racks and a mobile sound control setup. The various installations are linked to one another by a specially designed, previously installed fiberglass network, and they converge in the main control room. This configuration makes it possible to control the entire audio network on the one hand and to independently control the individual rooms at the same time.

The system is perfectly oriented to the individual rooms, enabling the implementation of various setups (e.g. room partitioning, FOH, etc.) quickly without having to lay new cable each time.

Digital sound console

- Rooms 1, 13 (undivided) and 14 (undivided) equipped with a digital mixing console with 72 mono and 8 stereo channels.
- Rooms 2, 3, 4, 5 and, when partitioned, Rooms 4b, 13b and 14c, are equipped with a digital console with 32 mono + 8 stereo channel control strips.
- Rooms 11, 12, 21 and 22 have consoles with 16-channel control strips.
- Various digital mixing consoles are also available. These can be additionally installed in the hall or be used when the halls are partitioned, but also for large events.

Public address systems

- Each of the rooms at the ICM is equipped with a public address system. These systems are designed for optimum voice amplification. Optionally, line arrays can be installed in Rooms 1 and 14. The ICM uses L'Acoustics line arrays that are preconfigured for their respective rooms. They produce particularly clear and intelligible voice amplification as well as dynamic and powerful music amplification.

Specifications

Microphones

The ICM has suitable microphones of every type and from the most important manufacturers available for events of all kinds. Gooseneck-type capacitor microphones are available for lecterns, moderator podiums and boardroom tables. If high-quality recordings are required, a range of studio microphones can be used. Besides wired microphones, all rooms feature a Shure UHF wireless system.

It includes the following components:

- Room 1: 12 Shure radio links, consisting of 12 x UR2 hand-held transmitters (Beta 87A), 12 x UR1 bodypack transmitters (WL185), 6 x UR4D dual receivers, 2 x directional antennas (UA 870), frequency band H4E
- Room 14: identical to Room 1, frequency band L3E
- Room 13: identical to Room 1, frequency band L3E
- Room 5: 8 Shure radio links, consisting of 8 x UR2 hand-held transmitters (Beta 87A), 8 x UR1 bodypack transmitters (WL185), 4 x UR4D dual receivers, 2 x directional antennas (UA 870), frequency band H4E
- Room 4: 6 Shure radio links, consisting of 6 x UR2 hand-held transmitters (Beta 87A), 6 x UR1 bodypack transmitters (WL185), 3 x UR4D dual receivers, 2 x directional antennas (UA 870), frequency band H4E
- Room 3: 2 Shure radio links, consisting of 2 x UR2 hand-held transmitters (Beta 87A), 2 x UR1 bodypack transmitters (WL185), 1 x UR4D dual receiver, 2 x directional antennas (UA 870), frequency band H4E
- Room 2: identical to Room 3, frequency band H4E
- Room 11: 4 Shure radio links, consisting of 4 x UR2 hand-held transmitters (Beta 87A), 4 x UR1 bodypack transmitters (WL185), 2 x UR4D dual receivers, 4 x directional antennas (UA 870), frequency band J5E (2 wireless links per room section)
- Room 12: 4 Shure radio links, consisting of 4 x UR2 hand-held transmitters (Beta 87A), 4 x UR1 bodypack transmitters (WL185), 2 x UR4D dual receivers, 4 x directional antennas (UA 870), frequency band J5E (2 wireless links per room section)
- Room 21: 2 Shure wireless links, consisting of 4 x UR2 hand-held transmitters (Beta 87A), 4 x UR1 bodypack transmitters (WL185), 2 x UR4D dual receivers, 2 x directional antennas (UA 870), frequency band J5E
- Room 22: 4 Shure wireless links, consisting of 4 x UR2 hand-held transmitters (Beta 87A), 4 x UR1 bodypack transmitters (WL185), 2 x UR4D dual receivers, 4 x directional antennas (UA 870), frequency band J5E

Interpreter system

The ICM features a DCN (Digital Congress Network) system manufactured by Phillips/Bosch. It can be used as an interpreter system and as a panel-discussion system. A permanently installed infrared system makes it possible to broadcast audio signals to IR receivers.

- A digital Bosch DCN system (Next generation/Integrus) has been installed in rooms 1, 13 and 14.

Intercom system

- For more complex productions, a Riedel digital intercom matrix with various microphone positions can be installed temporarily. It can be configured to meet the special needs of any event. On request, wireless units can also be incorporated into the communication system.