FLEXIBLE DEPLOYMENT FOR A MULTI-FUNCTIONAL SPACE

Chopin University of Music

Q-SYS Amplifies Space Flexibility in the Chopin University of Music

◉ Warsaw, Poland

Even those who are not classical music aficionados recognize the name 'Chopin'. The expressive and innovative works Frédéric Chopin composed are known worldwide, and the university where he received his education is still nurturing musical talent today. Now over two hundred years old, the Chopin University of Music (UMFC) in Warsaw remains the oldest and most illustrious music schools in Poland, and one of the largest in Europe. There students study a broad spectrum of topics, including more modern manifestations of music such as Film Sound Aesthetics.

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> **Artur Mitrosz**
> *Technological concept designer, guest teacher of Department of Sound Engineering of Chopin University of Music, Warsaw, Poland*

Challenges

The Chopin University of Music partnered with QSC distributor Aplauz Audio, as well as Awaco for system integration. Artur Mitrosz , technological concept designer, guest teacher of Department of Sound Engineering of Chopin University of Music, explains, "Q-SYS offered a combination of flexibility, large numbers of network audio streams, superb automation and scripting control and high computing power. Driven by Q-SYS OS, the Q-SYS Core 110c processor was one of few products that met the University's expectations in their entirety. It acts as a central processor for both audio and control in the system installation, allowing huge versatility. The Q-SYS OS is also super flexible - since we launched, the system's features have already been expanded several times by incorporating different systems to work with it."

Old World Masters Meet Modern Ambitions

To meet the moment, the University elected to design a new cinema projection and sound system in the Karol Szymanowski Lecture Theatre. The goal for this space was to create not only a world class cinema theatre, but also a multifunctional laboratory and studio, where students would have a state-of-the-art immersive sound system at their disposal. This new system should also enable the University to build 3D sound creations autonomously, tackle technical issues during production and hold dynamic and modern lectures.

Photos provided courtesy of Chopin University of Music

Solutions

A Catalog of Resources

The Q-SYS Core 110c processor mixes all audio source signals, including the cinema projection processor, also processing Blu-Ray audio signal, the Atmos HE renderer, the external USB surround and stereo inputs, analog inputs as well as line/microphone signals, and then provides signal processing, correction and delay for a high-quality listening experience. The Q-SYS Core 110c also manages environmental systems such as lighting scenes and screen curtain control, as they are operated in conjunction with their cinema system, allowing control of projector and DCP playback.

The QSC presence was not limited to DSP and control alone – QSC DPA Series power amplifiers and Q-SYS DPA-Q Series networked amplifiers as well as QSC SR Series cinema surround loudspeakers and QSC SB Series subwoofers contributed to the fully-realized listening experience the University team sought. The addition of a Q-SYS I/O-8 Flex channel expander and a Q-SYS TSC Series touchscreen controller rounded out the QSC contributions, which spanned beyond the Karol Szymanowski Lecture Theatre and into two additional spaces.

The Future Is Bright

Post installation, the hall is now equipped to handle the huge diversity of uses placed upon it: classes being taught in film and music history, chamber ensemble rehearsals, big-band rehearsals, seminars, visiting lectures and club discussions. The impact of the space has been amplified to serve the student body, modernizing and enabling a dynamic education in sound theory and practice. While the bone-shaking power of the hall's subwoofers and pinpoint control of its Core processor are a far cry from Chopin's reality, the spirit of delivering musicians of the finest quality into the world is as bright as ever, and QSC is proud to have a part in bringing it to light.

Photos provided courtesy of Chopin University of Music

Q-SYS Equipment List

Model	Pcs Used	Description	Image
Core 110c	1	Q-SYS Core Processor for Cinema 8 Configurable Flex Channels 16x16 USB Audio Channels Networked I/O: 128x128	
I/O-8 Flex	1	Q-SYS Channel Expander 8 Configurable Flex Channels Audio-to-USB Bridging PoE+ Capable	
DPA-Q Series	9	Q-SYS Network Amplifiers Routable Input Options PL380 Powerlight™ Amplifier Platform Class-D Hybrid Powertrain Design	
DPA Series	7	QSC High Fidelity Amplifiers for Cinema Flexible Amplifier Summing Technology™ (FAST) Powerful Onboard System Processing	
TSC Series	1	Q-SYS Touch Screen Controllers Ambient Light Sensor Portrait Or Landscape Enhanced Onboard Processor	
SR Series	39	QSC Multidimensional Cinema Loudspeakers High Output Drivers Quality Enclosures With Fast Single-Installer Mounting	
SB Series	4	QSC Cinema Subwoofers Single And Duel-Driver Systems Extended Low-Frequency Response	
UCI Editor	1	Q-SYS feature license Create and deploy custom UCI without any programming experience	

Q-SYS

Q-SYS is a globally recognized manufacturer of audio, video and control (AV&C) solutions for huddle rooms to stadiums—and everything in between. Our systems make it easy for your team to design and integrate flexible, scalable solutions and deliver the native IT integration and standards-based technology your customers expect.

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