



Making the Grade:

Revolabs' Wireless Microphone Systems Relegate Audio Interference to History's Dustbin at Newcastle University

OVERVIEW

Newcastle University has earned a reputation for research excellence and has been ranked one of the best 150 universities in the world. The RF wireless microphone systems used in the University's larger lecture theatres were regularly experiencing issues. These systems were operating on a combination of licensed and free frequencies, making interference a regular and unwelcome part of lectures.

CHALLENGE

In May, the University began a summer refurbishment program to its technology, which included replacing several RF wireless microphone systems with new units. Requirements for its new systems were that they be immune to interference and easy to use, so that any lecture theatre user could operate them with no instruction. The University chose Revolabs, purchasing one HD™ Single/Dual channel and 14 HD Venue wireless microphone systems.

SOLUTION/RESULTS

The Revolabs units were installed in lecture theatres throughout the campus, primarily in those with a capacity of 100 students or more, where they are integrated into voice reinforcement amplifiers to enhance the volume of the speaker. "We looked at many wireless microphone solutions, and only Revolabs offered the interference immunity and foolproof operation we required," said Andy Ramsey, AV Technician of Newcastle University.



The Revolabs wireless microphone system fits easily on the a/v cart.

Nestled in the cosmopolitan capital of North East England, Newcastle University has earned a world-class reputation for research excellence and has been ranked one of the best 150 universities in the world. Until a recent technology upgrade, the RF wireless microphone systems used in many of the University's larger lecture theatres were regularly experiencing issues. These systems were operating on a combination of licensed and free frequencies, making interference a regular and unwelcome part of lectures. In addition, with the completion

of the digital switchover in 2012, many of the microphones would be in danger of operating solely in dirty channels and risking even greater interference.

These two factors led Newcastle to take a closer look at the situation and look at other wireless options out there. In May, the University began a summer refurbishment program to its technology, which included replacing several RF wireless microphone systems with new units. Newcastle's requirements for its new systems were that they be immune to interference and easy to use, so that any lecture theatre user could operate them with no instruction. For the project, the University chose Revolabs, purchasing one HD™ Single/Dual channel and 14 HD Venue wireless microphone systems.

Our users have reported they really like the small size and sound of the Revolabs system, and find it easy to use.



The new lecture equipment is discreet and easy to manage.

"We looked at many wireless microphone solutions, and chose Revolabs for several reasons. Not only do the HD systems offer the interference immunity and ease of use we were looking for, but Revolabs were willing to come and test the proposed venues in advance and produce a plan of action for us," said Andy Ramsey, AV Technician of Newcastle University.

"By the end of September the units had been installed in lecture theatres throughout the campus; primarily in those with a capacity of 100 students or more. In the theatres, the systems are integrated into voice reinforcement amplifiers, which enhance the volume of the speaker. In one rather unique implementation of the HD Venue, the Law faculty now has the ability to overflow events from the mock crown court (Moot Room) to the nearby Law lecture theatre in a simple and discreet manner."

The HD Single/Dual channel and HD Venue dual-channel-rack-mount wireless microphone systems provide support for bandwidths from 50 Hz to 20 kHz, allowing them to pick up the entire human voice spectrum. The units can be mixed and matched with a variety of HD wireless microphones, including wearable and tabletop directional and omni-directional, and adaptors for handheld and Countryman™

microphones. All Revolabs wireless microphones are rechargeable, providing up to eight hours of talk time on a full charge. In addition, RF Armor™ technology enables the microphones to operate even when in direct contact with wireless electronic devices known to cause unwanted audio interference, such as GSM mobile phones and smartphones.

In addition, Revolabs' microphones operate well outside the UHF spectrum, utilizing the DECT personal communication protocol. Because it is unlicensed personal communication space, DECT is protected for use by consumers, ensuring that Newcastle's new systems will function properly after the digital switchover, and the University's investment will be protected in the event of future UHF band changes.

"We have been very satisfied with the Revolabs wireless systems. Users report that they really like their small size and sound, and find them easy to use and practical," added Ramsey. "Ease of use was especially important since the microphones and chargers are left out on the theatre lecterns for users to manage themselves. And of course, everyone is happy the interference is gone."

BENEFITS

- Exceptional sound quality with immunity to interference
- Simple to operate without any instruction
- Protected the University's investment in the event of future UHF band changes
- Rechargeable microphones provide up to eight hours of talk time



Revolabs HQ
144 North Road
Sudbury, MA 01776
USA
800-326-1088

Revolabs EMEA
+33-1-6459-8904

Revolabs APAC
+852-92297743

Revolabs India-Middle East
+91-124-4711630

info@revolabs.com
www.revolabs.com

