



Parks Primary School - PA & Emergency Lockdown System

Rated by Ofsted as 'Outstanding', this Leicester primary school has been secured using the latest audio-over-IP technology in its public address and emergency lockdown system.

Location: [Leicester](#)
Client: [Parks Primary School](#)
Supplier: [Midland Communications](#)

Client:

Located within a lively and vibrant area of Leicester, Parks Primary School has achieved its 'Outstanding' Ofsted rating due to the very highest standards of education and care for the welfare and safety of its pupils and staff.

The school has recently invested in a new through-campus audio and security system to provide improved communication and security for all, using the very latest audio-over-IP technology for its brand new combined public address and emergency lockdown system.

Designed to provide clear, effective, day-to-day communication, as well as to ensure the safety of pupils and staff at all times, the new system was specified and installed by Midland Communications using a combination of analogue and audio-over-IP technology from CIE's professional audio product range.

System Requirements:

In response to the increased risks of attacks and intruders within schools and education campuses, many UK schools are now following local education authority and government recommendations to further improve security strategies, including the adoption of an Emergency Lockdown Procedure.

Parks Primary School in Leicester called upon audio system experts Midland Communications to specify and install a through-school system which would meet their needs for day-to-day public address, as well as providing an emergency communication system to support their Lockdown Procedure.

The choice of audio signal distribution also had to take into account the school's two separate buildings, plus an outdoor learning zone.



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The Solution:

In order to distribute messaging to the three remote zones, the completed system employs the latest audio-over-IP technology, allowing recorded and live messaging to be broadcast over standard Ethernet cabling infrastructure.

The dual-purpose public address / school lockdown system merges the simplicity and efficiency of conventional 100v line distributed audio from the Inter-M range, with the latest audio-over-IP technology from 2N's Net Audio range.

The installation features a communications 'hub' in the main reception area from where it is possible to communicate with any of the three school zones either separately or collectively via pre-recorded messages or live broadcasts.

Controlled from the 2N IP NetMic Zone Paging Microphone, the entire system is connected over a standard Ethernet network infrastructure, using 2N Net Decoders to connect an Inter-M DPA300D 2-channel amplifier to Zones 1 & 2, with Zone 3 using an Inter-M MA103 amplifier also connected over-IP. The system also features 100v line SPK30W Cabinet Speakers and Inter-M CU630M Column Speakers.

This fully integrated system allows for complete zone control and broadcasting for public address, class change and emergency messages & tones should the school lockdown procedure be triggered.

Product:

- 2N 914071E Net Mic IP Zone Paging Microphone
- 2N 914013E Net Audio Decoder - Audio over IP Endpoints
- Inter-M DPA300D 2x 300W 100v Power Amplifier
- Inter-M MA103 30W Compact 3 Input Amplifier
- Inter-M CU630M 30W 100v Indoor Column Speakers
- CLB SPK30W 30W 100V/8ohm Indoor / Outdoor Cabinet Speakers

Products used in this project



2N - 914071E Net Mic IP
Zone Paging Microphone



2N - 914013E Net Audio
Decoder - Audio over IP
Endpoint



Inter-M - MA106 60W,
Compact 3 Input Amplifier



Inter-M - DPA300D
2x 300W 100v Power
Amplifier



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