



# Nottingham Forest Football Club Multiple PA System

## Nottingham Forest Stadium - Multi-zone Public Address System

When the Nottingham Forest football club decided to upgrade the public address and music systems in the Brian Clough Stand it called on the services of technical installation experts, Northern Light Digital Systems.

Location: **Nottingham, England**

Client: **Northern Light Digital**

### Client:

Nottingham Forest Football Club is located at the city ground just outside Nottingham city centre and adjacent to the River Trent. The ground has four stands and a capacity of 34,445 people.

When the football club decided to upgrade the public address and music systems in the Brian Clough Stand it called on the services of technical installation experts, Northern Light Digital Systems.

Northern Light Digital undertook a site survey and, working in conjunction with audio system experts CIE-Group, recommended three separate systems for the stand to serve the two corporate bars, the dining room and the hospitality boxes. CIE-Group supplied all the products and Northern Light Digital handled the installation.

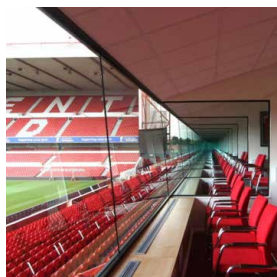
At the heart of the system is an Inter-M rack system with a PX8000 audio matrix. This provides up to eight input signals which can be sent to eight separate outputs which feed into the three separate systems in the stand.

The system in the two corporate bars allows different types of music to be played or TV audio with a local programme selection panel in each one. Each bar also has an induction loop for the hard of hearing.

Another output feed is to the 30 hospitality boxes to enable people to listen to live match commentary from the box so that they feel part of the crowd without actually going out to their external seats. It can also be used when events are taking place for people to listen to after-dinner speakers.

The final feed from the matrix allows the dining room to have music or live radio mic feed for events or for match day player Q&A's. This area also has its own local music source selection. In addition two TV feeds allow live TV commentary and two CD players provide each bar with a selection of music tracks.

The system was installed within a small time scale and to a restricted budget.



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## Why did the customer choose this system?

*"We needed a system that was sufficiently flexible to cater for the different areas of the stand and the multiple uses that these areas are put to. It meets our needs perfectly."*

## Why does the installer choose CIE-Group system design?

Barry Warren from Northern Lights Digital commented; *"I have worked with the CIE-Group for over 20 years, working with them to design, supply and install systems like this for clients and was delighted to work with them again on this project."*

Kevin Sherwood, CIE field sales director, said; *"This type of system design is our core strength and has been for many years so we were ideally suited to working with Northern Lights Digital to deliver this project."*

Following the success of this project CIE-Group and Northern Light Digital were awarded the contract to design and supply the new presentation and audio systems during the players' lounge refit.



## Product:

- CIE-Group AV Rack Design & Build Service
- 1 x InterM PX8000 8x8 Audio Matrix
- 3 x InterM LM8000 Mic / Line Input Plate and Volume Control
- 1 x InterM QD-4960 Multi Channel Amplifier 4 x 240W 4ohm
- 1 x InterM OT-4960 4 x 240W 100v Transformer Unit
- 1 x InterM MCD15 5 Disc CD Player
- 1 x InterM PT9107S Digital Stereo Tuner
- 1 x Clockaudio CW7000/38 UHF Wireless Handheld Radio Microphone System

## Products used in this project



Inter-M - PX8000 8 x 8  
Audio Matrix



Inter-M - QD-4960 Multi  
Channel Amplifier



Inter-M - LM8000 Mic/Line  
Input Plate and Volume  
Control



Clockaudio - CW7000/38  
UHF Wireless Handheld  
Radio Microphone System



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