



Live Event Public Address System

Badminton & Chatsworth Horse Trials

Over 200 music horn speakers were used in this Live Event providing an outdoors PA System for improved sound quality.

Location: **Chatsworth House, Derbyshire**

Client: **Show Hire**

Client:

Specialist live events company - Show Hire - is one of Europe's leading public address and communications hire companies, specialising in the sports and corporate events market.

As the contracted PA provider for the UK's largest outdoor event - The Farnborough Airshow - Show Hire have been keen to ensure that, for the Airshow's 100th Anniversary event, the public address system provides the best performance possible.

In doing so, Show Hire has made a significant investment in new outdoor public address equipment from CIE-Group and, in advance of the Farnborough show, has been trialling and testing the new system at this year's International Horse Trials at Badminton and Chatsworth.

System Requirements:

Specified and supplied by CIE-Group, this new, high performance, improved efficiency outdoor public address system consists of over 200 music horn loudspeakers driven by the new Inter-M DPA1200S 100v line power amplifiers.

Having previously used a full 19" rack of equipment, Show Hire's newly acquired DPA1200s amps provide power efficient amplification to the large scale 100v loudspeaker lines whilst significantly reducing the size, weight and power required - ideal for outdoor applications and the need to transport the system hundreds of miles between venues over the year.



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The Solution:

Taking a break during installation at the Chatsworth event, Show Hire Managing Director, Nick Chubb explained, "We're here trialling new products we bought from CIE - specifically the music horns we're starting to use to do the Farnborough Airshow - and the sound is brilliant.

"We're also using a lot of CJ-46 Horns on the cross country course as we have to cover 5000 metres of cross country run."

Nick added, "We're also using the new Inter-M DPA1200 amplifiers instead of having to rack 6 or 7 amplifiers together. We can now have just two of the new InterM compact amplifiers which are extremely light, so we don't have to carry rackmount equipment around at all times.

"The power requirement is a lot less, so power generators in green field sites such as this can be a lot smaller, which saves us money, fuel, time and transport."

The Badminton and Chatsworth International Horse Trial events have proven to be a fantastic 'test bed' for the new system, with visitor numbers in excess of 30,000 people per weekend and sound reported to be 'brilliant'.

Asked why Show Hire had chosen CIE-Group to supply the new audio system, Nick added, "They always look after us... always keen to help and always happy to site visit. Next day delivery; if ever there's a problem it's sorted quickly - basically it's a one-stop package for everything."

The Farnborough Airshow 2014 takes place on the 19th and 20th of July and Show Hire and CIE-Group continue to test and develop the system to provide the best audio possible for the show.

Review of the final Farnborough PA system to follow...

Product:

- 40 x Chiayo FOCUS PRO38 Wireless Portable PA System
- 40 x Chiayo ST-40 Focus Tripod Stand

Products used in this project



Inter-M DPA1200S 1200W Power Amplifier



Atlas Sound - CJ46 Horn Speaker



CIE - MH50-100 50W Horn Speaker



InterM - PAM340A 240W Mixer Amplifier



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