

CREATIVE AUDIO-VISUAL SOLUTIONS



CREATIVE at work

Brighton Road Baptist Church

Advanced New Church Project



The main Sanctuary showing the flown Electrovoice ZX5 clusters and one of the two fixed projections screens fed by 6500 lumen Eiki LCD projectors.

The new building project at Brighton Road Baptist demonstrates the highest quality of design and installation which Creative Digital Solutions provides to the modern Church. From initial work from drawings to final commissioning, all facets of the audio and audio-visual systems ensure the present and future requirements of BRBC are well looked after. The audio system comprises of Electrovoice speakers and amplification – the versatile ZX5 15” speaker used in dual pairs for effective coverage of the main Sanctuary and balcony areas with active SBa760 subwoofer to ensure full range capability for vibrant worship and intelligible speech. A BSS Soundweb system provides the main audio system’s EQ and speaker optimisation with further EV SX100 monitors for musicians foldback. Throughout the building, relay JBL Contractor speakers are fitted with individual volume controls so that audio is available wherever you may be within the building. A separate system within the adjacent hall provides both relayed sound and vision from the main Sanctuary with the ability to host independent meetings and events.

The adjacent photo shows one of two 42” plasma displays installed – this one mounted on the front fascia of the balcony to allow all images to be viewed from the stage. Within the balcony itself, two Eiki 6500 lumen projectors, fitted with telephoto lenses, were installed to project images onto the fixed screens either side of the stage. To make the projectors as discreet as possible, two lens ‘portholes’ were carefully cut out of the balcony front. The resulting image is of the highest quality available in daylight conditions through a combination of the high brightness and contrast. Contrast is indeed an overlooked feature of many projectors on the market today – a high contrast ratio is vital for effective photo and video projection. Below the balcony, and just visible in the photo, is a Sony remote operated camera which provides images for both projecting and recording to DVD. This is controlled by Creative’s own camera joystick for easy pan, tilt and zoom functionality.



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A custom console rack was designed and built by CDS and the BRBC's building project team and houses all the control hardware for the audio and audio-visual systems. A 32-channel Allen & Heath GL2400 mixing console provides audio flexibility, future growth and ease of use for the many operators within the Church. The centre desk rack section contains the Kramer visual Matrix (allowing any image to be sent to any output/screen within the building), dual 7" Datavideo monitors (for reviewing and cueing both visual and recording feeds) and DVD and CD recording and playback decks.

Within a dedicated equipment cupboard, a metal lockable wall rack houses the main amplifiers, Soundweb audio system controller and digital EQ's. Two underfloor loop systems also provide clear audio for the hard of hearing within the main Sanctuary and balcony areas.

To ensure maximum flexibility, two audio multicore cables were installed – one for the main stage (24inputs/4outputs) and a second within the musicians area (28/4) for instrument, microphone and monitor connectivity. An additional four powered monitor sockets provide a powered output to the stage foldback monitors.

On the audio-visual side, stage PC inputs and monitor outputs were installed for additional flexibility for laptops and personal visual monitors. All cabling was of the highest standards with Cat5e feeds used for all visual runs to maintain integrity over long distances.

Rod Kitchin, BRBC's Church AV co-ordinator said:

"We have been absolutely delighted with the work CAVS put in to designing a system for Brighton Road Baptist Church and then translating that into a final installed system. They took our original requirements and worked with us to create a most effective sound and AV system. The quality of the visual display is absolutely stunning and we are still exploring the possibilities the sound system has opened up. It has been a real pleasure working with CAVS and I would have no hesitation in using them again."

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