

CREATIVE DIGITAL SOLUTIONS



CREATIVE at work

RCCG Victory House, Bermondsey

Multimedia at its finest



An RCCG Victory House service in progress showing ceiling mounted EV RX series speakers, Eiki digital projectors and motorised screens

The new audio and visual installation at the RCCG Victory House in Bermondsey, London represents the most advanced system we have commissioned, featuring the very best in sound and multimedia from manufacturers such as Electrovoice, Eiki, Kramer and Yamaha.

In such a large auditorium with a relatively low ceiling, it was an exciting challenge to ensure all areas of the congregation had clear and intelligible sound and images to support the vibrant worship at Victory House.

Digital control hardware was used throughout much of this installation to allow full control of each individual piece of equipment, not only to maximise sound and visual performance but also to make the system as user friendly as possible. Indeed the best of both worlds and the ideal scenario for any Church who have a large team of operators, dynamic worship music and a great message to their congregation.



Head engineer Ian Bethell optimising the impressive 48-channel Yamaha M7CL Digital Mixing Console



The audio system comprises of ceiling mounted Electrovoice Rx speakers including the Rx212H shown above which is designed for horizontal mounting with a rotatable 3" central compression driver.

Three rows of speakers, each individually tuned via a network controller – the EV Netmax – ensured fully optimised sound from the front of the auditorium to the back. EV CP contractor amplifiers also ensured matched performance between speakers and amplification. Behind two of the front speakers, visual monitors were installed for the Pastor and music team to view individually created messages, Powerpoint displays and song words during the service.

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Pastor Leke Sanusi at the lectern and projected via the two Sony remote cameras onto the front right hand screen.

To ensure that images and words were viewable from throughout the Church, the audio-visual system needed multiple screens and the ability to independently show different images on any screen at any one time. Eiki projectors were utilised – two 5500 lumen and two 3000 lumen machines and fed via a Kramer matrix system. Dual Sony remote cameras provide images of the main platform and congregation with full pan, zoom and tilt joystick control.

In addition, plasma screens were installed in the main foyer, crèche and Pastors room to ensure that whether just arriving, looking after children or in preparation for the service, everyone can see and hear the meetings in progress.

The video and recording side of the system was also developed to improve quality and flexibility. A Datavideo SE-800 vision mixer with independent relay screens allows complete control to this side of the audio-visual system for camera monitoring, video cueing, editing, DVD creation and copying.



One of the Eiki LC-X71 5500 lumen LCD projectors

One of the newest areas of development here at Creative is system control design for audio and visual systems. At RCCG Victory House, we utilised Nikobus, Neets and custom control hardware to perform a number of functions to make the system easier to power up and operate. To turn on the amplifier rack, a delay switching device was designed so that each amplifier was turned on separately to avoid surges within the electricity supply. To power the projectors and operate the four main projection screens, a Nikobus panel controlled all these functions at the touch of a button, thus making system simple to use and avoiding a melee of remote controls lying around!



Two rows of projection screens ensure images can be seen clearly from front to back



A foyer plasma display linked to the main AV system for visual images



Custom control panels to power up amplifier rack, projectors and screens



Amplifier and control rack featuring an EV Netmax control system and front of house speaker amplification



Creative at Work

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