

The VX-2000 System from TOA Corporation – Best Product at International Fire Expo 2005 Award

TOA was founded in Kobe in 1934 as a commercial audio system manufacturer. Since then, they have been manufacturing and marketing sound amplification equipment including microphones, amplifiers and speakers.

In response to the postwar democracy movement and active election campaigns, TOA created the world's first transistor-based megaphone and Japan's first reflex horn speakers. These products represent the foundations of their present success.



With the period of rapid economic growth in Japan, emergency broadcast systems, which are commonly used in office buildings, became the main focus of the business. In recent years, TOA's professional sound systems have been installed in concert halls and are highly regarded because they meet the exacting standards of professional musicians. They are also actively involved in such related business fields as CCTV and intercoms.

TOA brings its accumulated expertise in producing public address and surveillance systems that are absolutely relied on in numerous installations around the world. Fully compliant with BS 5853prt8 EN60849/IEC60849 standards to allow use in the most demanding environments, the VX-2000 outstanding features include sophisticated failure detection measures that constantly check components and speaker lines for any faults or abnormalities which are brought to the notice of concerned personnel via indicators and buzzers.

The TOA Corporation UK division recently advertised at the International Fire Expo 2005, at Birmingham's National Exhibition Centre, where the company exhibited the VX-2000 Series.

TOA's VX-2000 Series is a broadcast and public address system that satisfies all the requirements for general purpose and emergency broadcasts for a wide range of environments and configured for simple as well as complex installations. The total system is composed of a System Manager, Surveillance Frame, Power Amplifiers, Power Supply, Emergency Power Supply, Fireman's Microphone and a user-specified number of Remote Microphones. The most important factor in any emergency system is total reliability.

Highly versatile system

The VX-2000 has been designed to offer a very high level of versatility to allow its use in various environments and features a scalable architecture that can be easily expanded as requirements dictate. A fully modular configuration facilitates assembling a system that is ideally optimized for a particular application with specific modules. The VX-2000 offers a high-performance cost-effective solution to any environment's broadcast and public address requirements. The VX-2000 system can be configured to accept a maximum of 18 inputs, utilising 8 input slots for various input source modules, up to 8 remote microphones including 4 Fireman's Microphones, 2 voice-announcement

boards as well as a built-in announcement chime. Up to 50 output zones using a maximum of 5 surveillance frames can be administered.

VX-2000 System Manager



The VX-2000 System Manager is an input matrix unit that assigns input signals to 4 audio buses, and functions as the VX-2000 system's main controller. A total of up to 8 units of the VX-2000XI, VX-200XR, and 900 Series input modules can be mounted in a System Manager. The VX-2000 can control audio signal routing, priorities, and peripheral equipment, while input and output control settings are performed by way of a PC. Up to 2,000 system events and failures can also be recorded, and the log can be viewed from a PC.

Fireman's Microphone included



The VX-2000 provides a Fireman's Microphone as part of its standard equipment that also functions for acoustic

monitoring and surveillance of the emergency microphone unit (including the microphone capsule voice coil). In the event of a CPU failure, there is a CPU cutoff switch on the Fireman's Microphone and an all-call paging function is still available at the Fireman's Microphone.

Confirming status

System status can be confirmed at each remote microphone location. Each microphone may have priority set for it but in emergency broadcasting, the emergency microphone will have highest priority and other microphone's status will not be indicated.

Non-interruptive surveillance

The surveillance function of the VX-2000 is non-interruptive of program material such as BGM distribution and paging announcements.

When activated by a remote microphone or fire detection system link, simultaneous dual broadcasting is possible by using 2 voice announcement cards to allow different messages * to be available at the same time such as alert and evacuation messages.

*A maximum of 4 broadcasts are simultaneously possible.

The software provided with the VX-2000 for easy system configuring and parameter setting has multilingual options for convenient use by personnel in any location, and during power outages, there is a special mode to reduce battery power consumption effectively allowing smaller batteries to be used without compromising system performance.

The System Includes:

- Full compliance with BS 5853prt8 EN60849/IEC60849 standards
- System status can be confirmed on Remote Microphones
- Fireman's Microphone included as standard equipment
- Simultaneous dual-origin recorded message broadcasts
- Convenient multi-language software
- 1 per 100 second frequency program
- Non-interruptive surveillance

For further information, please call 020 8337 7878, or visit: www.toa.co.uk