

EVACUATION SOLUTIONS



COMMERCIAL

Commercial Audio Management Systems

Baldwin Boxall's commercial audio management systems are individually designed and configured from the VIGIL2 range of products. The systems fully comply to all relevant current and possible future standards - including BS5839 pt 8, EN6809, EN54 pt 16, BS5839 pt 9 and BS9999 (for the disabled toilet alarm).

A VIGIL2 voice alarm (VA) system, with its pre-recorded voice messages and reliable build quality, enables controlled evacuation of any type of building - including the tallest tower - in a calm and efficient manner. The OmniCare (fire telephone and disabled refuge) system enables further control, ensuring that everyone can be safely evacuated.

The VIGIL2 range of products allows for great flexibility and provides a complete solution for any commercial environment. The final system design is determined by many factors, such as: number of areas (zones), building layout, method of evacuation, ambient environment and individual specifications.

A major aspect of the system is the sophisticated, yet user-friendly, zoning, routing and full audio path monitoring facilities and dedicated battery back-up systems as required in life safety systems. The feature-rich VIGIL2 EVAS DSP-controlled routing matrix forms the heart of the system.

Our product range includes a choice of control options: PC touchscreen control, emergency firemans' microphone, VA controller microphone, bespoke control panels and paging microphones.

Many buildings require the provision of disabled refuge areas and fire telephone systems. OmniCare provides the complete solution, enabling different types of remote to be wired on the same circuit. The system is then controlled from one, or more if wanted, central panel. The system can also monitor disabled toilet alarms.

Application requirements:

- Fire alarm linked voice alarm system.
- Staff/public information/public address system.
- Phased evacuation.
- Touchscreen control with visual layout.
- Annunciator control panel.
- Pre-recorded messages.
- Multi-lingual digital messaging.
- De-centralised or centralised system.
- Induction loop.
- Emergency firemans' microphone.
- Background music option.
- Battery backup and full monitoring.
- Disabled refuge area communication.
- Fire telephone system.
- Disabled toilet alarms.

Operational benefits:

- Provision of clear and precise instructions in the event of an emergency.
- Zonal/'all call' facility for phased evacuation and coded messages.
- Selectable emergency/alert alarm tones.
- Routing to selected loudspeaker zones.
- Background music, with interrupt for announcements.
- Central monitoring of all disabled toilet alarms.
- Permanently active fire telephone system.

System control:

System control options include: fire microphone, VA control microphone, paging microphone, PC touchscreen control and annunciator panels. Often a combination of these is needed.



The Unitouch touchscreen option, typically placed in a reception area, enables intuitive control of the system. The operator simply touches the relevant area of the screen to access microphones, messages, background music and to select zones.

Annunciator panels tend to be installed in the control room of large buildings. Capable of providing control of the voice alarm system, fire telephone and disabled refuge systems, they can also indicate operation of disabled toilet alarms. Each panel is designed specifically with the project in mind and to the end-user's specification. Panels normally include a fist microphone, dial select for function, zone/area buttons, message selection and LED indicators. Other options such as telephone handsets can be included.

We work closely with our customers to ensure that the system control fully meets their requirements and the client's specification.

Services offered:

- Total sound solutions.
- Site survey.
- System build.
- Factory acceptance testing.
- Project management services.
- Commissioning.
- System maintenance contracts.
- After sales technical support.

Commercial projects:

Some of the commercial buildings protected by Baldwin Boxall's VIGIL life safety systems:

- Bank of England
- 10 Downing Street
- BBC White City
- Shellmex House
- Canary Wharf ~ various
- Broadgate Tower, City of London
- Plantation Place
- New Accommodation Project
- Port of Felixstowe
- HM Treasury
- 55 Bishopsgate, London
- Eli Lilly, Dunderrow
- Ropemaker, London
- BBC Broadcasting House
- Barclays Bank HQ



Typical equipment list

Voice evacuation system:

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|------------------|--|
| BFM401 | Single zone/all call fireman's microphone. |
| PCTS22 | 22" Unitouch touchscreen control system with graphical layout of site. |
| BVANMAS2 | Bespoke annunciator panel. |
| BDM416 | Sixteen zone paging microphone |
| BVRD2M & BVRD2MS | VIGIL 2 EVAS DSP-controlled router and slave unit |
| BV120D/BV050Q | Class D dual 20 Watt & quad 50 Watt amplifiers |
| BVSMP | Switch mode power supply |
| BVRADCO | Automatic amplifier changeover. |
| BY110FT | Battery pack 110 A/H |
| BVRDFPI | Fire panel interface |
| BEL1 units | End of line units (to monitor loudspeaker lines) |

OmniCare disabled refuge/fire telephone system:

| | |
|---------|----------------------------------|
| BVOC32M | 32-way control panel |
| BVOCL | Fire telephone with locking door |
| BVOCECP | Red disabled refuge remote |
| BVOCDTA | Disabled toilet alarm kit |

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