

EVACUATION SOLUTIONS



STADIA

Stadia & Sports Arena Audio Management Systems

Baldwin Boxall's stadia 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, 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 the stadia in a calm and efficient manner. The OmniCare (fire/stewards' telephone and disabled refuge) system enables further control, ensuring that everyone can be safely evacuated.

The VIGIL2 range of products allows for great flexibility, not only in the original design and configuration, but also for future expansion and upgrade. Final system design and equipment listing is determined by many factors, such as: number of areas (zones), seating arrangements, location, ambient environment, power requirements 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 crowd control and 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 fireman's microphone, VA controller microphone, bespoke control panels and paging microphones.

Baldwin Boxall offers a unique design and build facility to their customers. A large R&D Department and dedicated System Build Department enables specialist equipment such as control and switching panels, to be manufactured to specific requirements. Each project is led by an appointed in-house Project Manager.

Application requirements:

- Fire alarm linked voice alarm system.
- Public information/public address system.
- Phased evacuation.
- Touchscreen control with visual layout.
- Crowd/perimeter control.
- Multi-lingual digital messaging.
- De-centralised or centralised system.
- Induction loop.
- Emergency fireman's microphone.
- Ambient noise sensing.
- Background music.
- Battery backup and full monitoring.
- Disabled refuge area communication.
- Fire/stewards' telephone system

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.
- Spot/advertising announcements.
- Routing to selected loudspeaker zones.
- Background music, with interrupt for announcements.
- Pre-match atmosphere/ambience.

STADIA

Stadia projects:

Below is a selection of stadia and sports arenas which are protected by Baldwin Boxall's VIGIL life safety systems:

- Manchester City FC
- Stamford Bridge - Chelsea FC
- Thomond Park - Munster RFC
- Anfield - Liverpool FC
- Euroborg Stadium - FC Gronigen, Netherlands
- Twickenham RFU
- York racecourse
- Hampshire Rose Bowl CCC
- JJB Stadium - Wigan Athletic FC & Wigan Warriors
- Nottingham Ice Rink
- Ponds Forge, International Sports Centre, Sheffield
- Rockingham Oval Racing Circuit
- The Stoop, Twickenham Harlequins RFC
- Wembley
- Emirates Stadium - Arsenal FC
- Loftus Road - QPR FC
- Molineux - Wolverhampton Wanderers FC
- The London Club (golf club)
- Turin 2006 winter olympics - various venues

Services offered:

- Total sound solutions including system design, manufacture and supply.
- Site survey.
- System build.
- Factory acceptance testing.
- Project management services.
- Commissioning.
- System maintenance contracts.
- After sales technical support.



Typical graphic display for Unitouch touchscreen paging station

Typical equipment list

Voice evacuation system:

PCTS22	22" Unitouch high definition touchscreen control system with graphic view of stadium and zone 'buttons'
BDM400TS	Desk microphone for above
BDM424	24 zone paging microphone
BVRD2M	VIGIL2 EVAS DSP-controlled router
BV440/BV220	Class D 440 Watt & 220 Watt amplifiers
BVSMP	Switch mode power supply
BVRADCO	Automatic amplifier changeover
RK34UD	34U high system rack
BY11OFT	Battery pack 110 A/H
BVRDFPI	Fire panel interface
BVRAMB	Ambient noise sensing
BEL1 units	End of line units (to monitor loudspeaker lines)

OmniCare disabled refuge/emergency telephone system:

BVOC32M	32-way control panel
BVOCETL	Emergency/steward telephone with locking door
BVOCECP	Red disabled refuge remote
BVOCDTA	Disabled toilet alarm kit

BALDWIN BOXALL

TEL: +44 (0) 1892 664422
FAX: +44 (0) 1892 663146

EMAIL: MAIL@BALDWINBOXALL.CO.UK
WEB: WWW.BALDWINBOXALL.CO.UK

BALDWIN BOXALL COMMUNICATIONS LTD
WEALDEN INDUSTRIAL ESTATE,
FARNINGHAM ROAD, CROWBOROUGH,
EAST SUSSEX, TN6 2JR, UNITED KINGDOM.



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