

VARIZONE VAB-Line

VAB1 Controller Router and Control Engine for VAB-Line – at a glance:

The new VAB1 Controller (**V**oice **E**vacuation, **A**nnouncement, **B**ackground Music Controller) acts as a central router and control engine in one and is the core of the VARIZONE Voice Evacuation, Announcement and Background Music System. It makes VARIZONE VAB-Line **attractive to small and medium sized PA applications**.

Within the maximum possible system expansion the VAB 1 Controller is able to serve up to 48 DSS-busses or 6.500W using I-PAMs. In combination with the Line Manager VAB1 can control and monitor nearly unlimited analog 70/100V speaker lines.

Main Features:

- 51 inputs to 32 outputs router
- Unlimited number of zones
- Multiple inputs can be assigned to various zones and assigned to various outputs by the system at the same time (8 channels per DSS bus and 32 channels system-wide).
- Priority Level Management
- DSP signal processing included
- Complete system control included
- Configuration via an intuitive software GUI

VAB1 is in accordance with **IEC 60849** and fulfills further modern safety standards.

It provides all the important safety features of:

- Solid system monitoring
- Priority Management for Paging & Evacuation
- Internal message memory
- Push-to-talk handheld microphone
- Monitoring of the speaker lines down to each single speaker without additional cabling
- Interfaces to multiple control devices
- Clearly arranged front panel display
- Link to fire command center and other control devices



VAB1 - Technical Specifications:

Standard Inputs:

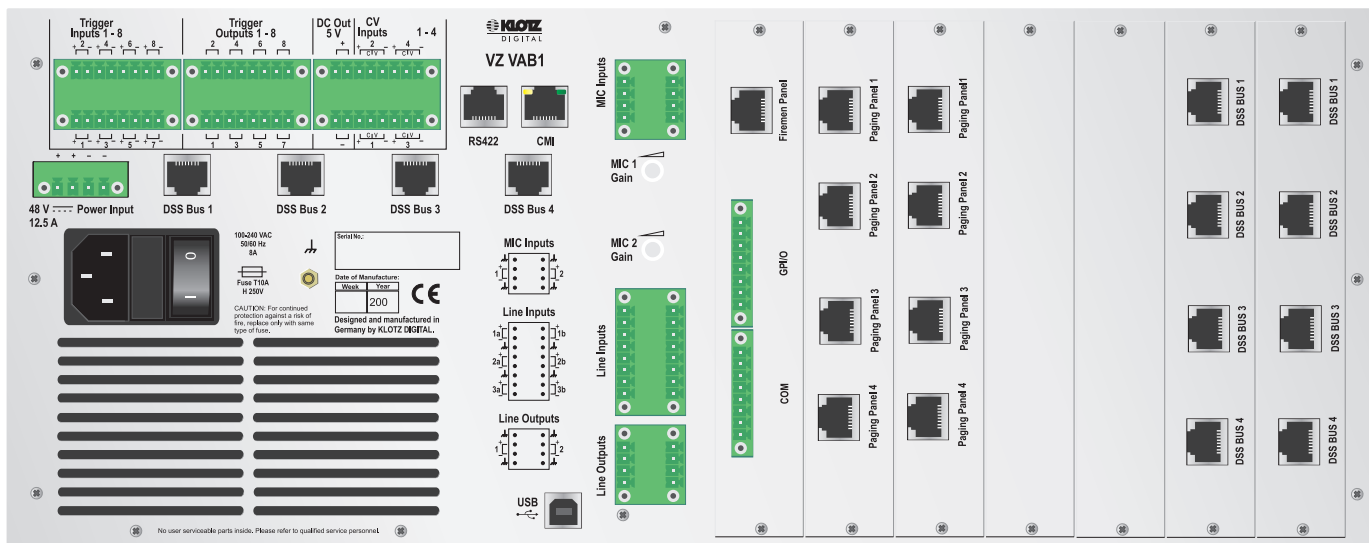
- 2 microphone preamplifier inputs
- 3 analogue line level inputs

Standard Outputs:

- 2 analogue line level outputs
- 4 powered 8-channel DSS outputs (125W each)

- 4 control voltage inputs
- RS422 interfaces for intelligent 3rd party communication
- Control Module Interface

This enables you, for example to control and monitor the entire VAB-Line comfortably from any location you choose via Internet or tie-in fire detection systems.



Available Expansion Cards:

VAB1 consists of a 19" 4 RU Frame with seven slots for optional expansion cards offering the opportunity to customize the VARIZONE solution to individual project requirements. A variety of expansion cards are available:

- EVAC Option – turns the VAB1 Controller into a EVAC system according to IEC 60849
- Paging Option – allows to build a Paging Network
- DSS interface card – extends the number of output bus lines

Remote Surveillance and Control:

The VAB1 Controller offers a variety of interfaces for 3rd party control and surveillance, such as

- USB interface for configuration and remote control via PC
- 8 trigger inputs and 8 trigger outputs (GPI)

Compatible VARIZONE components

Standard:

- I-PAM/PAM
- LINE MANAGER

For special applications:

- Digital Paging Stations
- AMBIENCE NOISE MODULE
- VOLUME CONTROL and CHANNEL SELECT EXTENSION
- POWER HUB
- POWER BRIDGE
- LINE INTERFACE
- GPI Box