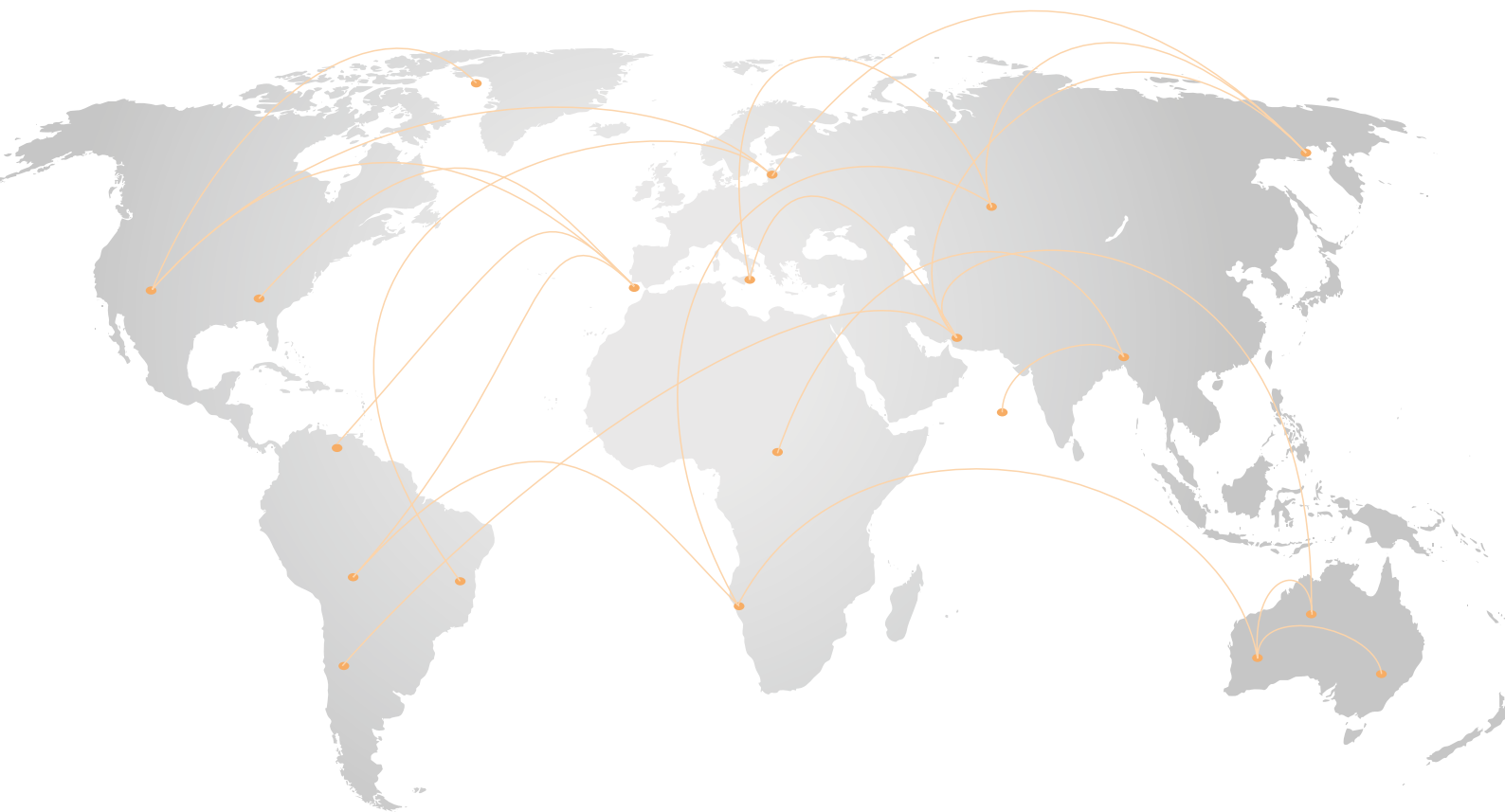


Voice Alarm System



LOCAL & GLOBAL

Voice Alarm System



Smart public address system

About VAS

Alarm systems' principal purpose is to save human life. Yes, a fire alarm system will detect the site of fire, and will sound alarms, but lives will only be saved if people are evacuated from the danger zone efficiently and rapidly. VAS, the public address and evacuation management system, has been designed with the result in mind.

People aren't emotionally stable during an emergency, and need clear commands. That is why there's a need for a system that automatically detects the set of the fire, chooses optimal evacuation routes, opens additional fire exits and informs people about the direction of move.

Nowadays the most of the public address and evacuation control systems are Windows-based. Being bloated and vulnerable, they are prone to instability and faults during the emergency situations.

VAS is a reliable intelligent system that doesn't use Windows. That is why VAS system may become an ideal technical solution for your deployment.

VAS system is an interconnected set of amplifiers, power supply units, control modules and speakers. All devices have various modifications that allow creation of systems of all sizes, from the smallest to the very large. For example, the core control device, called VAS Control Unit, is available in 4, 8, 16, 24 and 32 alarm zones versions. So, 4-zones unit is designed for use in smaller edifices and the 32-zones version suits the largest installations.



VAS Control Unit can be employed to build two main types of systems:

1. Local VAS
2. Global VAS

Local VAS system operates in conjunction with a fire alarm system connected to multiple fire and smoke sensors in different premises. In case of fire, the respective sensor alerts the fire alarm system, which determines the affected floor number. Upon reception of command signal, VAS-Control Unit activates recorded voice alarm message, sends it to speakers, and turns on warning lights, all in accordance to the pre-established PA algorithm.

Global VAS allows managing of any number of territorially distributed Local VAS systems from a central control station, located at any distance from the former. Local VAS system installations at particular locations are connected to the Global VAS central station via Internet or leased line (or a satellite link if necessary). Central station operator can send voice alarms to speakers managed by a Local VAS system at a particular location or locations.



Company profile

Tronics (HK) Ltd. is an efficient blend of European innovative technological ideas and Asian state-of-the-art manufacturing base. It has allowed the company to design a high quality alarm system.

Tronics has more than 13 years of development and implementation experience in evacuation control systems area. Solutions designed by Tronics' own engineering team have been tested on the markets of Eastern Europe countries. Nowadays, VAS system various modifications are fully adapted to most challenging emergency management tasks.

Continuous modernization, new technologies implementation as well as integration with market-leading security systems ensure market competitiveness of VAS products. By enforcing strict quality control procedures, the company achieves high standards of quality and reliability.

Let's partner up!

We are reliable

A truly new product of quality is a rare thing on any market. Catch your chance, become an exclusive VAS implementation partner in your region. Let's make some money together!

We are flexible

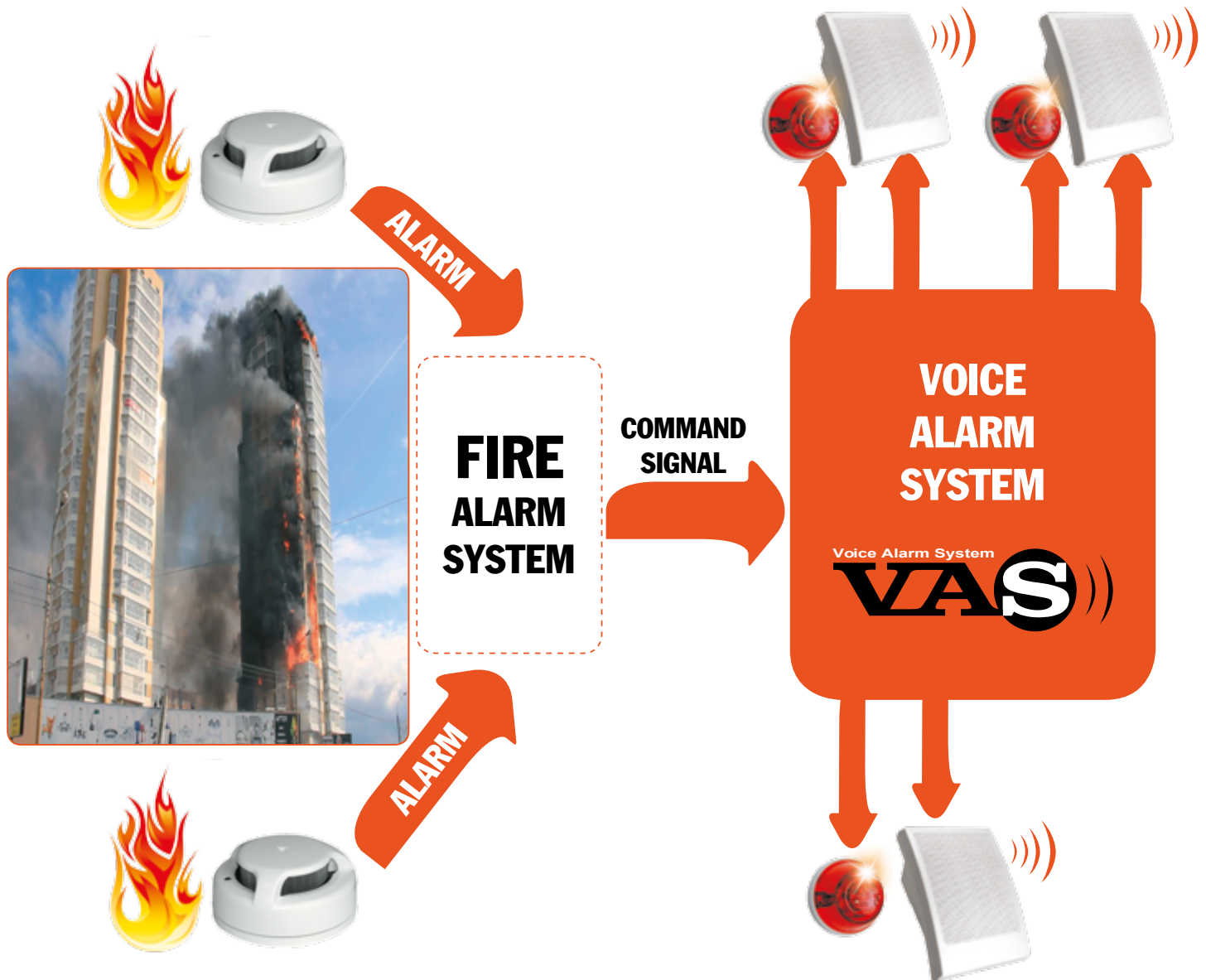
We are ready to adapt our engineering solution for the national technical regulations of your country and to train personnel to work with our equipment.

We are committed and involved

We are willing to promote the system on your country's market, so we are ready for joint participation in significant national exhibitions and events. We'd be more than happy to consider proposals to develop a joint promotional strategy in your country.

BECOME THE FIRST AND LET THE OTHERS BEHIND!

LOCAL Voice Alarm System



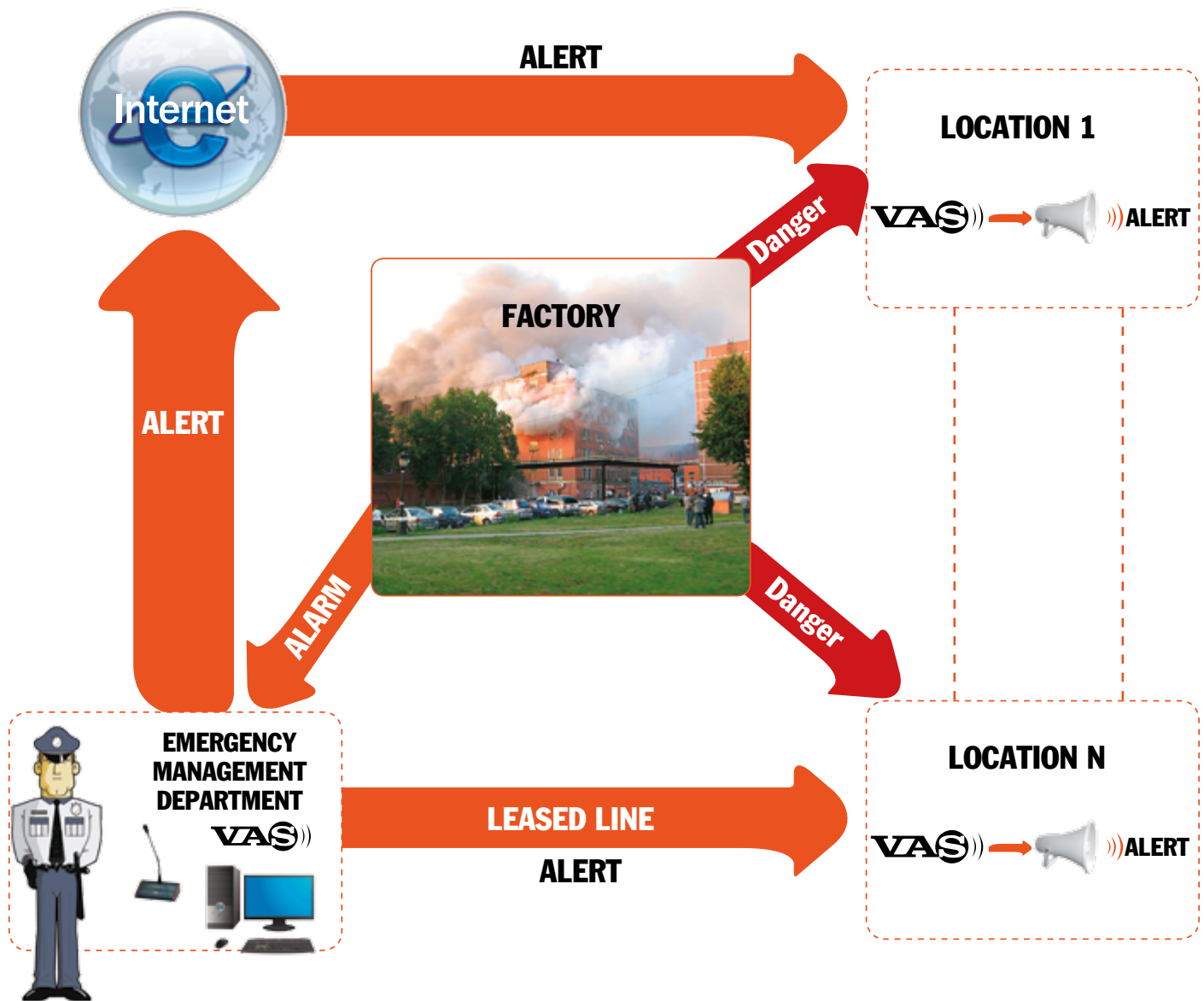
Local VAS system operates in conjunction with a fire alarm system with its multiple fire and smoke detectors. In case of fire, the triggered sensor notifies the fire alarm system that determines the affected floor number. The floor number data are transmitted to VAS system.

Upon reception of the command signal from the fire alarm system, VAS-Control Unit automatically starts performing actions in accordance to the predetermined PA algorithm. Pre-recorded alarm messages are activated, emergency lights are turned on.

- By it's first alert, VAS informs the personnel in charge for emergency response
- Second alert informs those within the dangerous area: near the set of fire, and on the floors above it
- Finally, after a lapse of time, the alert is broadcasted in the rest of the building

The VAS Control Unit can receive command signals via RS-485 port.

GLOBAL Voice Alarm System



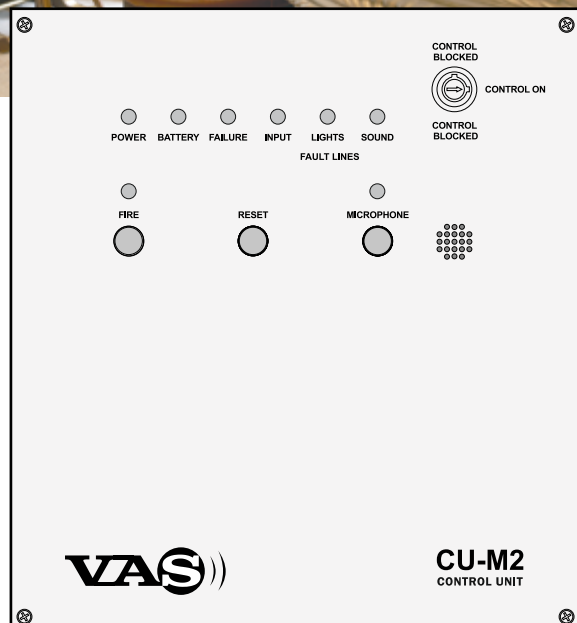
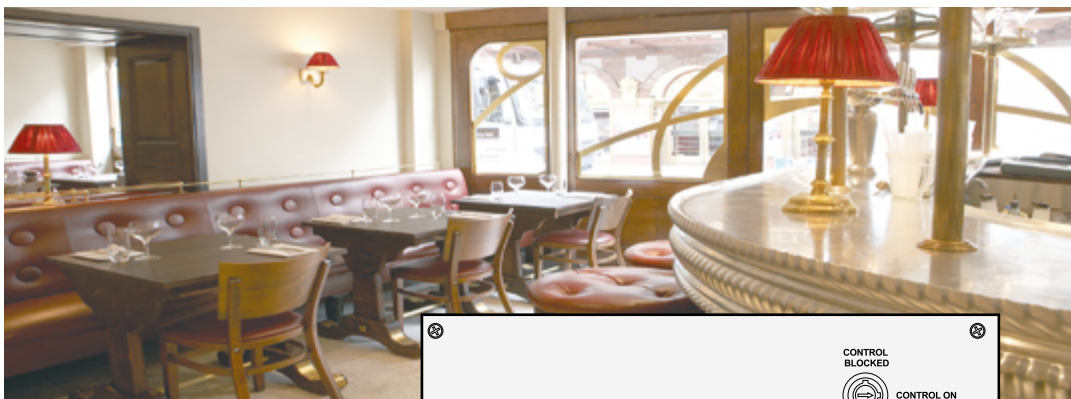
During disaster, it is crucial to warn people about the impending danger so that horrible consequences can be avoided. Yet, it not an easy task to fulfill.

Though, it can be achieved with the help of Global VAS system. VAS alarm system can be controlled remotely from a control station that can be located on any distance from it. Only a Linux-based server running VAS software and a network connection are required to set up such control station. Almost any type of connection can be employed, including Internet link, leased line, or even satellite link if necessary. Territorially deployed VAS equipment will retransmit signals received from the central control room, broadcast voice messages to warn those who found themselves in the area of impending disaster.

The system operator may pronounce voice messages into the microphone, and Global VAS will relay them to loudspeakers in appropriate locations. Also, the automatic notification by means of pre-recorded messages, activated in case of emergency, is possible.

VAS-CU-M2

Control unit



Main features

- Vocal notification of the public
- Management of audible, visual and combined alert devices
- Uninterrupted power supply to audible and visual alert devices
- State of serviceability control for communication lines with alert devices and fire alarm system

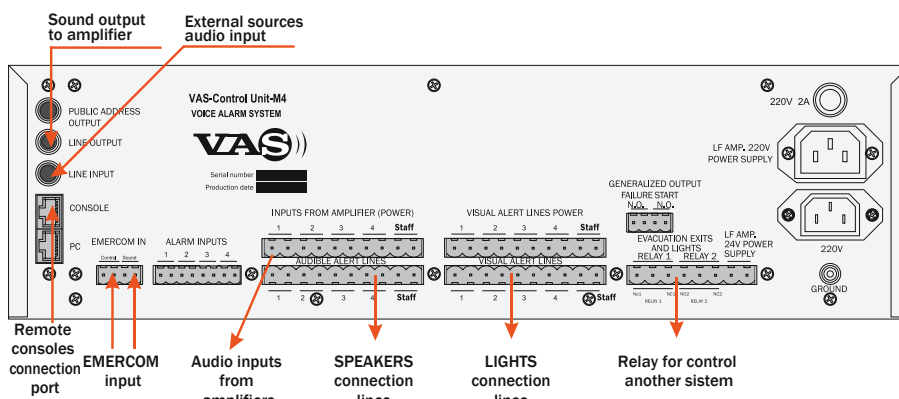
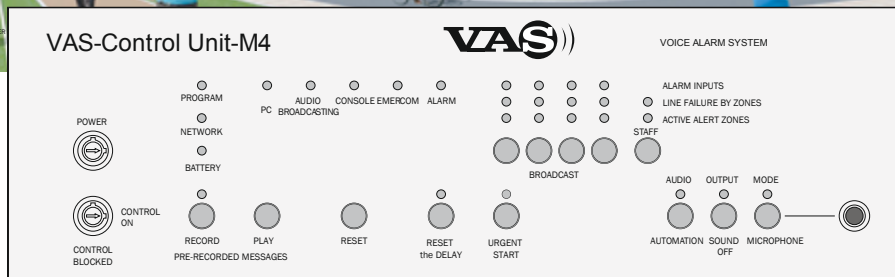
Full-fledged public address system in a single unit This device serves as a foundation block for public address and evacuation management systems. VAS-CU-M2 receives a command signal from a fire alarm system, and subsequently manages all public address system's component to efficiently notify the public in automatic or manual mode. The device has an internal sound recorder that facilitates the recording of alarm messages. It monitors the state of serviceability of all communication cables that connect the device with fire alarm system, audible and visual alarm devices. It has both principal and backup power sources.

Power supply	220 V
Power consumed, max	máx: 60 W
Backup power source	12V/7Ah
Fire Alarm System inputs	1
Stored messages and their duration	1/60 s
Audible alert lines	1
Peak rated power of audible notification	40 W
Voltage at audible notification line	30 V
Visual and audible (siren) alert lines	1
Max. current in visual notification line	1 A
Weight, gross	3 kg
Size	233x83x250 mm



VAS-CU-M4

Control unit



Main features

- Voice, sound and visual alerts for efficient evacuation control, both in manual and automatic mode.
- Signals rebroadcasting from third-party security systems
- Control of third-party security systems
- Sound and music broadcasting mode
- Business processes control via remote consoles.

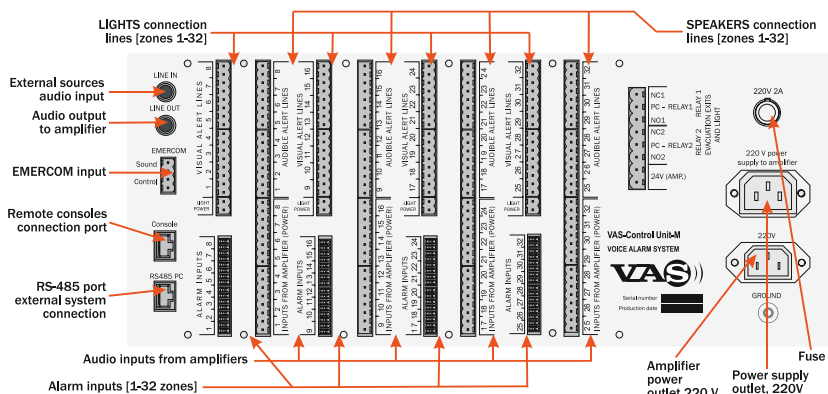
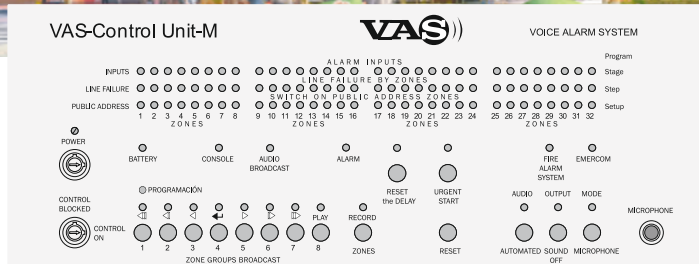
For smaller alarm systems consisting of up to 4 alert zones. The unit passes from standby to alarm mode upon reception of command signal from a fire alarm system. Based on modern microprocessor components, VAS-Control Unit-M4 can automatically broadcast pre-recorded messages (2x60 sec.). Multiple alert algorithms to accommodate for different emergency scenarios can be set. Loudspeakers and fire alarm systems connections failures are monitored and indicated on the front panel. Built-in battery allows the unit to operate in case of power failure.

Remote console interface for up to 8 VAS-RC remote management consoles, as well as an interface for PC or third-party security/alarm system connection is available. Initial setup is performed with front panel controls.

Alarm inputs	4
Visual alarm zones	5 (4+1 service zone)
Audible alarm zones	5 (4+1 service zone)
Emercom input	1
Stored messages	2 (60 seconds)
Power supply voltage	220V, 50Hz
Built-in battery	12V/7Ah
Remote consoles	8 (line length is up to 1200m)
Weight, gross	8 kg
Size	438x321x132 mm (3U)

VAS-CU-M 8/16/24/32

Control unit



Main features

- Voice, sound and visual alerts for efficient evacuation control, both in manual and automatic mode.
- Signals rebroadcasting from third-party security systems
- Control of third-party security systems
- Sound and music broadcasting mode
- Business processes control via remote consoles.

Control Unit for larger systems consisting of up to 32 alert zones. The unit passes from standby to alarm mode upon reception of command signal from a fire alarm system. Based on modern microprocessor components.

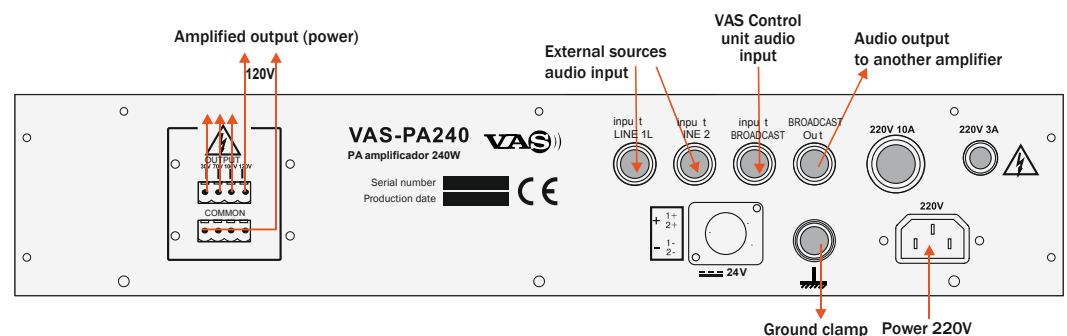
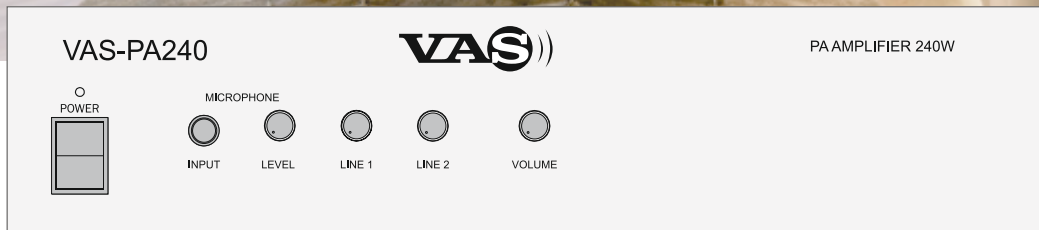
VAS-Control Unit-M8/16/24/32 is capable of automatically broadcasting pre-recorded messages (8 messages x 60 seconds). Multiple alert algorithms can be set. Also, different evacuation scenarios can be effectuated within the same floor. Loudspeakers and fire alarm systems connection failures are monitored and indicated on the front panel. Remote console interface for up to 8

VAS-RC remote management consoles connection, as well as an interface for PC or third-party security/alarm system connection are available. Initial setup is performed with front panel controls.

Alarm inputs	8/16/24/32
Visual alarm zones	8/16/24/32
Audible alarm zones	8/16/24/32
Emercom input	1
Stored messages	8 (15 seconds)
Power supply voltage	220V, 50 Hz
Built-in battery	12V/7Ah x 2pcs
Remote consoles	Up to 8 (line length is up to 1200m)
Weight, gross	16 kg
Size	438x384x176 mm (4U)



VAS-PA 120/240 D class Professional Amplifier



The device is intended for alert system use. General non-specific use as a low-frequency amplifier is also possible.

Parameters

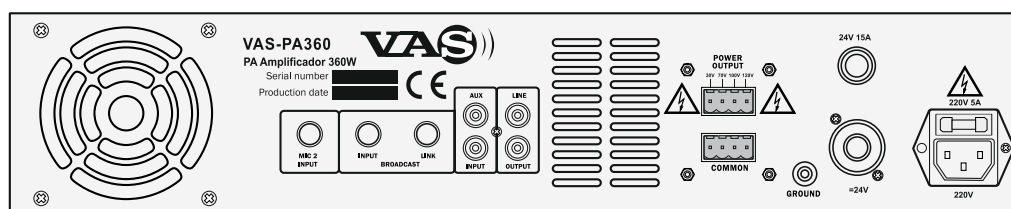
- 4 input sources: 2 Line In, Mic, VAS-Control Unit
- 1 broadcasting output with system-wide amplifier cascading support
- Level adjustable for Mic and Line In inputs

Features

- High energy efficiency
- Improved sound
- Small size
- Light weight

Nominal output power (220V)	120 / 240W
Peak output power	160 / 360W
Signal sources	4
Nominal output voltage	30, 70, 100, 120 V
Bandwidth	100 – 20 000 Hz
Gain margin	3 dB
Non-linear distortion factor (THD)	0,1 %
Supply voltage	220V 50Hz AC, 24V DC
Weight, gross	7,5 / 8 kg
Size	438x285x88 mm (2U)

VAS-PA 360/480/600 Professional Amplifier



The device is intended for public address systems use. General non-specific use as a low-frequency amplifier is also possible.

Main parameters:

- 3 sources: Line In, Mic, VAS-Control Unit
- 1 broadcasting output with system-wide amplifier cascading support

Main parameters:

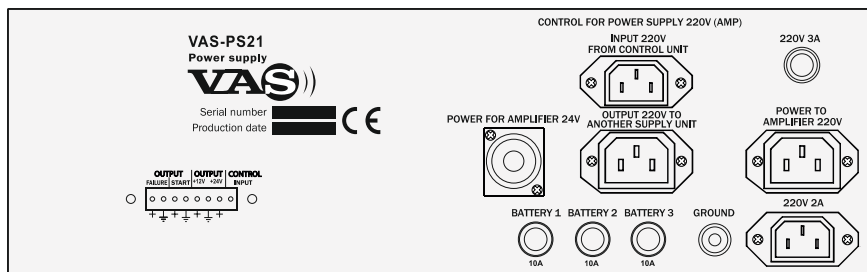
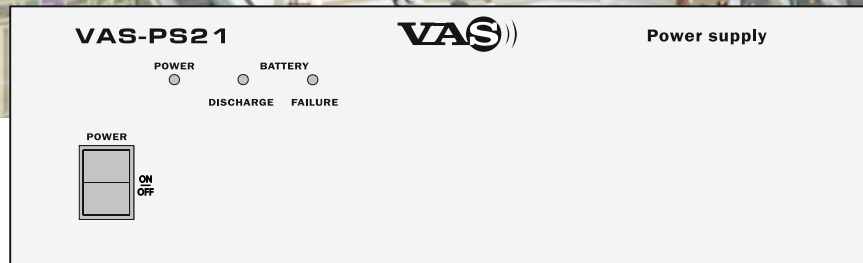
- Level adjustable for Mic and Line In inputs
- Built-in 4-channel zone selector.

Nominal output power (220V)	360 / 480 / 600
Peak output power	480 / 640 / 800
Signal sources	4
Nominal output voltage	30, 70, 100, 120 V
Bandwidth	80-18000 Hz
Gain margin	3 dB
Non-linear distortion factor	2,0 %
Supply voltage	220W 50Hz AC, 24V DC
Weight, gross	20 kg / 22 kg / 23 kg
Size	438x430x88 mm (2U)



VAS-PS21

Power supply



Backup power unit with a battery module for low-voltage power (24-30V) provision to public address systems amplifiers.

Can also be used as a backup power source for evacuation lighting and other security/alarm systems elements. Available with 2, 4 or 6 batteries.

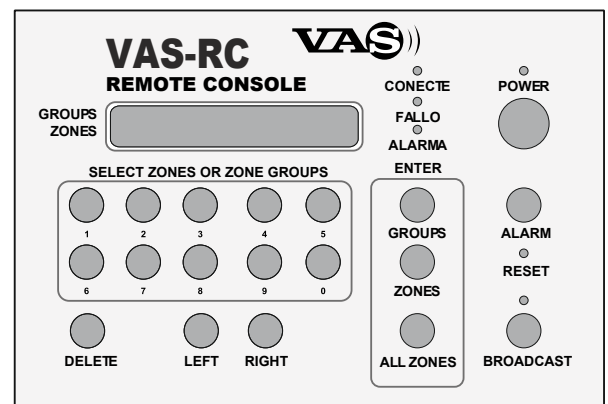
Power supply voltage	220V 50 Hz
Output voltage	24V DC (non stabilized)
Full-wave output 24V	1
Commutated output 24V	1
Commutated output 220V	1
Battery capacity	6 pcs / 4 pcs / 2 pcs
Batteries	21A-h / 14 A-h / 7 A-h
Weight, gross	24 kg / 20 kg / 16 kg
Size	438x403x132 mm (3U)

VAS-RC

Remote console

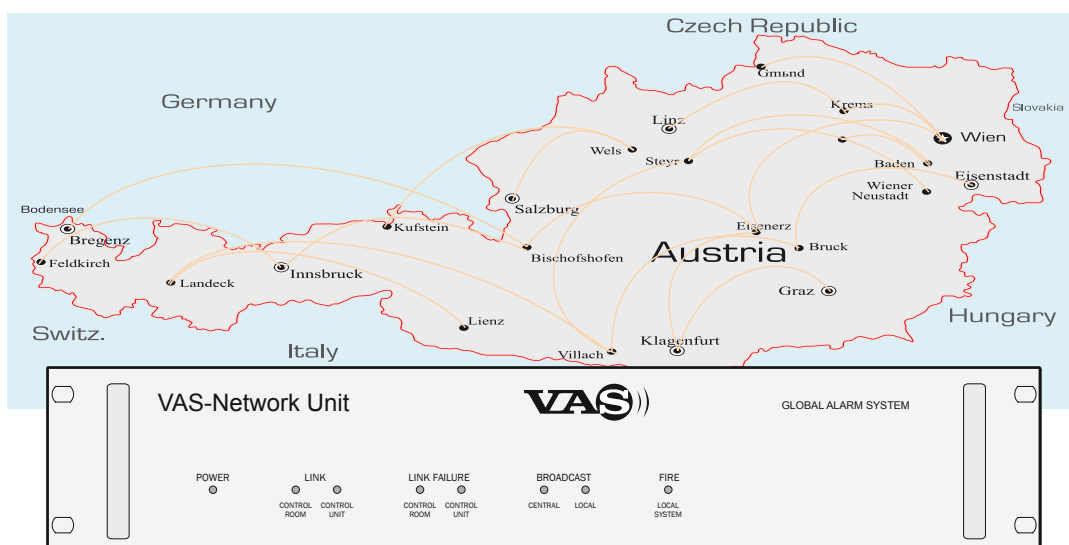
Allows the remote management of VAS Control Unit devices. The console displays main operating parameters of its control unit, facilitates emergency response; its built-in microphone allows voice messages remote input into the system.

Up to 8 remote consoles can be connected to a single VAS Control Unit. Maximum distance between VAS Control Unit and a remote console is 1200 m.



Number of broadcasting zones	32
Bandwidth	100-10 000 Hz
Power supply	+13 - +17V
Power consumed	5W
Weight, gross	0,9 kg
Size	200x40x145 mm

VAS Network Unit



The unit is designated to facilitate the creation of territorially distributed voice alert systems. It receives control signals from the central station and relays them to VAS-Control Unit devices.

Main features

- Facilitates communication between the central station and territorial alert systems via leased line or public IP-network
- Continuously monitors the state of territorial alert systems
- Transmits the status territorial alert systems state to the control room

- Relays control signals from the central station to territorial systems
- Relays sound files and voice messages from the central station
- Keeps operations log

Power supply unit VAS-PS is required.

Power supply voltage	220V, 50Hz
Ethernet port	1
RS-485 port for VAS Control Unit connection	1
VAS Control Units supported, max	224
Line Out jacks	1
VGA ports	1
Mouse, keyboard, USB ports	yes
Weight, gross	7 kg
Size	485x285x89 mm (2U)

VAS Central post

The central station of Global VAS alarm system consist of 1) Microphone 2) a dedicated server running VAS software. Territorial installations consist of 1) VAS Network Unit for command reception and retransmission within the territory 2) Local VAS system. The number of territorially deployed alert systems is unlimited. The central station is comprised of the dedicated server running VAS software that retransmits voice messages pronounced by it's operator into the microphone and relays them, along with command signals, to VAS Network Unit.

The central station includes:

- 1. PC server - x86-compatible server**
 - Core i7 8/16Gb RAM, 100Gb HDD
 - 64-bit Linux OS (Debian 7 or similar)
- 2. Soft wear – VAS Central Station management software suite features**



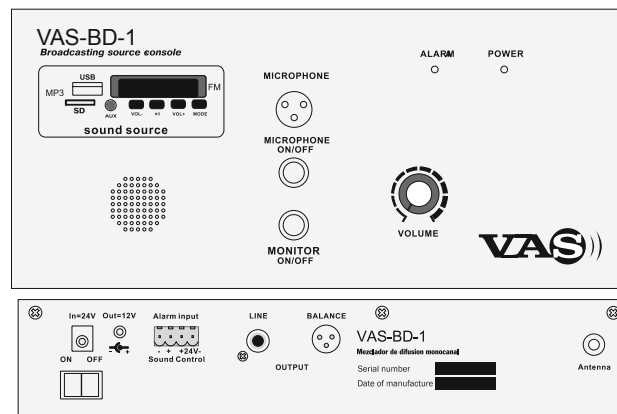
VAS Global Alarm System provides:

- Continued monitoring of territorial alert systems
- Transmission of command signals to territorial alert systems
- Voice message transmission to territorial alert systems
- Management of geographically distributed VAS Control Units
- Activity log

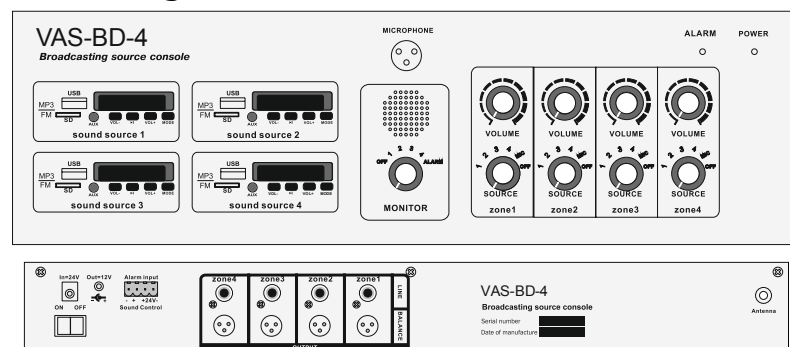
VAS-BD-1
Broadcasting deck

One-channel broadcasting deck One-channel broadcasting deck is designed to function in voice alert systems or corporate PA broadcast rooms, to broadcast audio programming from different media as well as relaying public air broadcasts.

The deck includes: radio receiver, flash drive USB port, SD-card slot, microphone, line output volume level control, one line input. The deck has a monitor and two sound signal outputs, one linear for local connection, and one balanced, with 2V level, for remote connection.



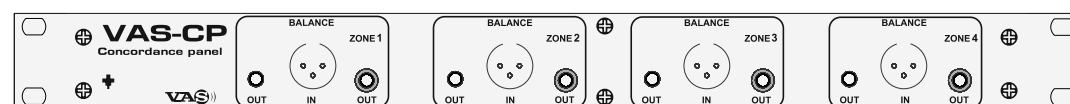
USB and SD media player	Yes
FM Receiver and Tuner	Yes
Power voltage	24 V
Weight, gross	2kg
Size	276x76x140 mm

VAS-BD-4
Broadcasting deck

Four-Channel Broadcasting Deck Four-channel broadcasting deck is designed to function in voice alert systems or corporate PA broadcast rooms, to broadcast audio programming from different media as well as relaying public air broadcasts.

The deck includes: 4 radio receivers, 4 flash drive USB ports, Slot for 4 SD Cards, microphone, 4 output volume level controls, 4 source switches. The deck has a monitor and eight sound signal outputs, four linear for local connection, and four balanced, with 2V level, for remote connection.

Reproductor de medios USB y SD	Yes
FM Receiver and Tuner	Yes
Tuners, SD and Flash storage players	4
Power voltage	24 V
Weight, gross	3 kg
Size	520x76x140 mm

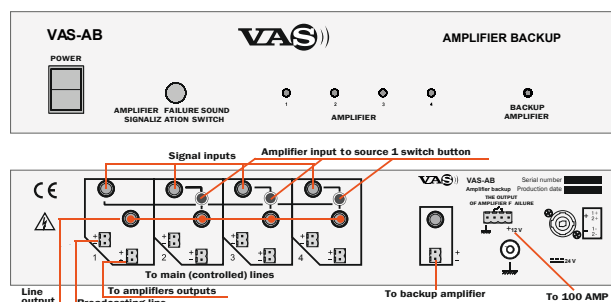
**VAS-CP**
Concordance panel

Concordance panel Concordance panel is designed to ensure concordance between connection lines connected to balanced outputs of VAS-SB-4 and VAS-SB-1, and non-balanced line inputs of VAS brand amplifiers.

Number / type of balanced inputs	4 / Jack 6,3 mm
Number / type non-balanced inputs	4 / RCA
Max voltage on balanced inputs: up to	2,2V
Input/Output impedance	600 Ohm
Transformation ratio	1:1
Bandwidth	80-16000 Hz
Weight, gross	1,5 kg
Size	485x100x80 mm (1U)

VAS-AB

Amplifier backup



The device monitors the state of system amplifiers, and in case of a failure, replaces the failed amplifier by a hot backup device. Amplifier Backup Unit is optimized to be interoperable with broadcasting power amplifiers.

Main features

- Good condition control for up to 4 main amplifiers and one hot backup amplifier
- Automatic replacement of failed amplifier and its recovery after repairs
- Operation mode visual indication - Audible alerts on amplifier failure detection (can be disabled)

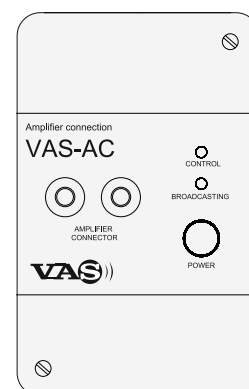
Power	20-29V direct current
Consumed current	up to 250 mA
Input range	130 mV (-15 dB) до 4V (15 dB)
Amplifiers output range	15V-120V
Amplifier outputs switching current	Up to 10A
Number of amplifiers controlled	Up to 4 main, 1 backup
Weight, gross	5 kg
Size	438x321x88 mm (2U)

VAS-AC

Amplifier connection

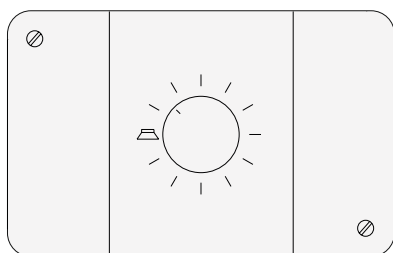
Amplifier connection unit Amplifier connection unit is designed for local broadcasting amplifier connection to a signal line (for example, for school's assembly hall coverage). Unit also manages VAS-LCU and VAS-LCR switches.

Input sound voltage/power	30-120V/up to 500W
Control voltage/current	24-30V/0,1A
Weight, gross	0,5 kg
Size	87x81x137mm



VAS-LSA

Line switch adjustable



Adjustable line switch Adjustable line switch switches one or more speakers (or other alert devices) between alert and sound broadcasting lines, with volume control capability. Switching is carried out remotely by a control voltage of 24V.

Commutated sound voltage/power	30-120V/up to 60W
Control voltage/current	24-30V/0,1A
Weight, gross	1,5 kg
Size	87x81x137 mm

VAS-LSNA

Line switch non-adjustable

Non-adjustable line switch Non-adjustable line switch switches one or more speakers (or other alert devices) between alert and sound broadcasting lines. Switching is carried out remotely by a control voltage of 24V.

Commutated sound voltage/power	30-120V/up to 500W
Control voltage/current	24-30V/0,1A
Weight, gross	0,5 kg
Size	104x29x104 mm



VAS – software

It is special software for organizing remote audio broadcasting in one or various voice alarm systems. VAS-software is intended for use in conjunction with VAS Control Unit devices.



VAS-software provides:

- Alarm system status monitoring;
- Command transmission of to voice alarm system;
- Audio broadcasting to selected zones;
- Scheduled audio broadcasting;
- Multicasting audio broadcasting (up to 4 programmes);
- Operator voice information through microphone;
- Activity logging

Technical specifications

Software configuration

- The software is designed for work with Windows. It consists of server and client parts.
- VAS-CU devices are connected to computer with server part.
- Client part of software can be installed on any other computer in this network, including the server.
- Client part of software can work in the same time on different computers.



Users List

Software provides three levels of users with different access rights:

1. Administrator. He has full rights to manage the software.
2. 1st operator with high priority. There can be the only one operator in one system.
3. Operator. There can be a few operators in one system.



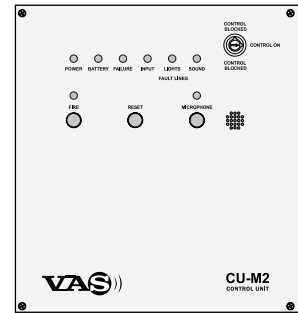
System requirements:

- IBM compatible computer with Core i3, 4Gb RAM, 100Gb HDD, number of sound cards from 1 to 4, depending on the required number of multicasting audio programs.
- Windows 7.

VAS-CU-M2

Control unit

Full-fledged public address system in a single unit This device serves as a foundation block for public address and evacuation management systems. VAS-CU-M2 receives a command signal from a fire alarm system, and subsequently manages all public address system's component to efficiently notify the public in automatic or manual mode. 233x83x250 mm



VAS-CU-M4

Control Unit

5 zones control unit (4 + 1 staff zone), built-in backup 12V power unit, internal audio processor (2 messages x 60 sec), control port VAS-RC. CE (EN54, EMC), IECCE, IEC (CB) certified.



VAS-CU M8/16/24/32

Control Unit

Multizone control unit (8-32 zones). Internal 12V backup power, internal sound processor (8 messages x 60 sec), 8 VAS-RC ports. CE (EN54, EMC), IECCE, IEC (CB) certified.



VAS-PA 120/240 D class

Professional Amplifier

Medium-power amplifier Rated power 120/240 W Output voltage 70, 100V, Bandwidth 100Hz-20 kHz





High-power amplifier Rated power 360/480/600W
Peak power 480/640/800 W Output voltage 70, 100V
Rated bandwidth 100Hz- 20kHz

VAS-PA
360/480/600
Professional Amplifier



Backup power supply unit 24V, 21A·h
Full-wave output DC 24V
Supplied with batteries. 2, 4 o 6 batteries supported.
CE (EN54, EMC), IECEE, IEC (CB) certified.

VAS-PS21
Power supply unit



Remote control unit for VAS-CU-M devices.
With microphone.
Maximum distance from the CU - 1200 m.
CE (EN54, EMC), IECEE, IEC (CB) certified.

VAS-RC
Remote console



Enables connections between the VAS Central Station (VAS-CP) and territorial Local VAS system.

VAS
Network unit



Linux-based management software suite for VAS systems using VAS Network Unit (VAS-NU). Any PC with Linux complying with minimum requirements can be used.

VAS
Central Post

VAS-BD1 Broadcasting deck

One-channel broadcasting deck One-channel broadcasting deck is designed to function in voice alert systems or corporate PA broadcast rooms, to broadcast audio programming from different media as well as relaying public air broadcasts. The deck includes: radio receiver, flash drive USB port, SD-card slot, microphone, line output volume level control, one line input.



VAS-BD4 Broadcasting deck

Four-Channel Broadcasting Deck Four-channel broadcasting deck is designed to function in voice alert systems or corporate PA broadcast rooms, to broadcast audio programming from different media as well as relaying public air broadcasts. The deck includes: 4 radio receivers, 4 flash drive USB ports, Slot for 4 SD Cards, microphone, 4 output volume level controls, 4 source switches.



VAS-CP Concordance panel

Concordance panel Concordance panel is designed to ensure concordance between connection lines connected to balanced outputs of VAS-SB-4 and VAS-SB-1, and non-balanced line inputs of VAS brand amplifiers.



VAS-AB Amplifier backup

The device monitors the state of system amplifiers, and in case of a failure, replaces the failed amplifier by a hot backup device. Amplifier Backup Unit is optimized to be interoperable with broadcasting power amplifiers.





Amplifier connection unit Amplifier connection unit is designed for local broadcasting amplifier connection to a signal line (for example, for school's assembly hall coverage). Unit also manages VAS-LCU and VAS-LCR switches.

VAS-AC
Amplifier connection



Non-adjustable line switch Non-adjustable line switch switches one or more speakers (or other alert devices) between alert and sound broadcasting lines. Switching is carried out remotely by a control voltage of 24V.

VAS-LSNA
Line switch
non-adjustable



Adjustable line switch Adjustable line switch switches one or more speakers (or other alert devices) between alert and sound broadcasting lines, with volume control capability. Switching is carried out remotely by a control voltage of 24V.

VAS-LSA
Line switch adjustable



Reproduces the sound input from one of the sources: radio AM-FM, CD, MP3, SD card, USB, mixer, microphone input.

VAS-MP
Multipurpose player

VAS-SU Selector Unit

Work together with VAS-SAP. Intended for two-way communication between dispatching post and public address zones. Up to 16 zones, 2 panels each. Built-in power backup 12V. Maximal distance to panel is 400m.



VAS-Rack Open rack

Open rack for VAS equipment with standard 19" shelves, 430 mm depth.
Four holes (2 with fixtures)
Height 24U (4 shelves, 4 panels)
Height 36U (7 shelves, 7 panels)
More shelves and/or panels can be supplied



VAS-SAP Special audio panel

Work together with VAS-SAP. Intended for two-way communication between dispatching post and public address zones. Up to 16 zones, 2 panels each. Built-in power backup 12V. Maximal distance to panel is 400m.

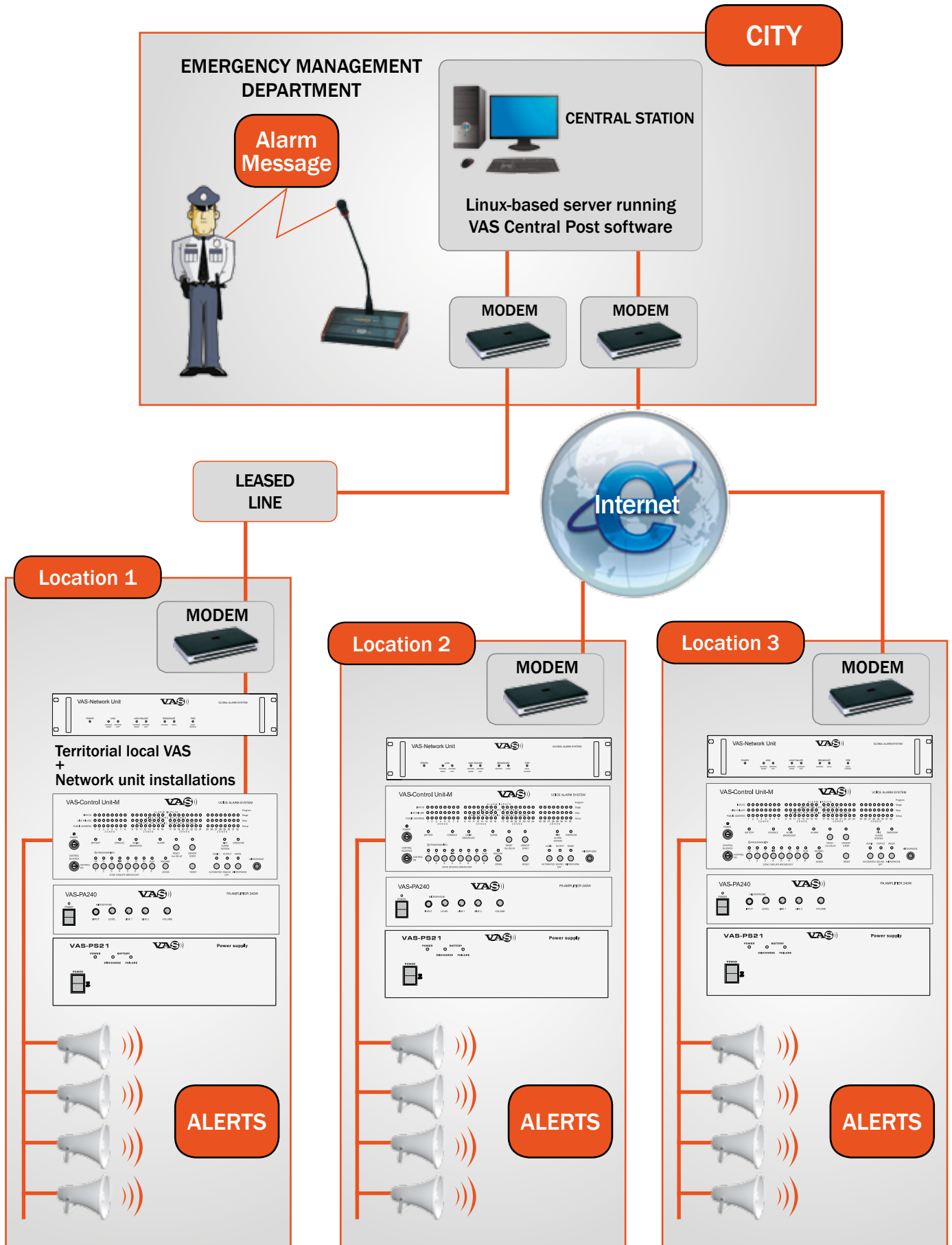


VAS-CM10 Microphone

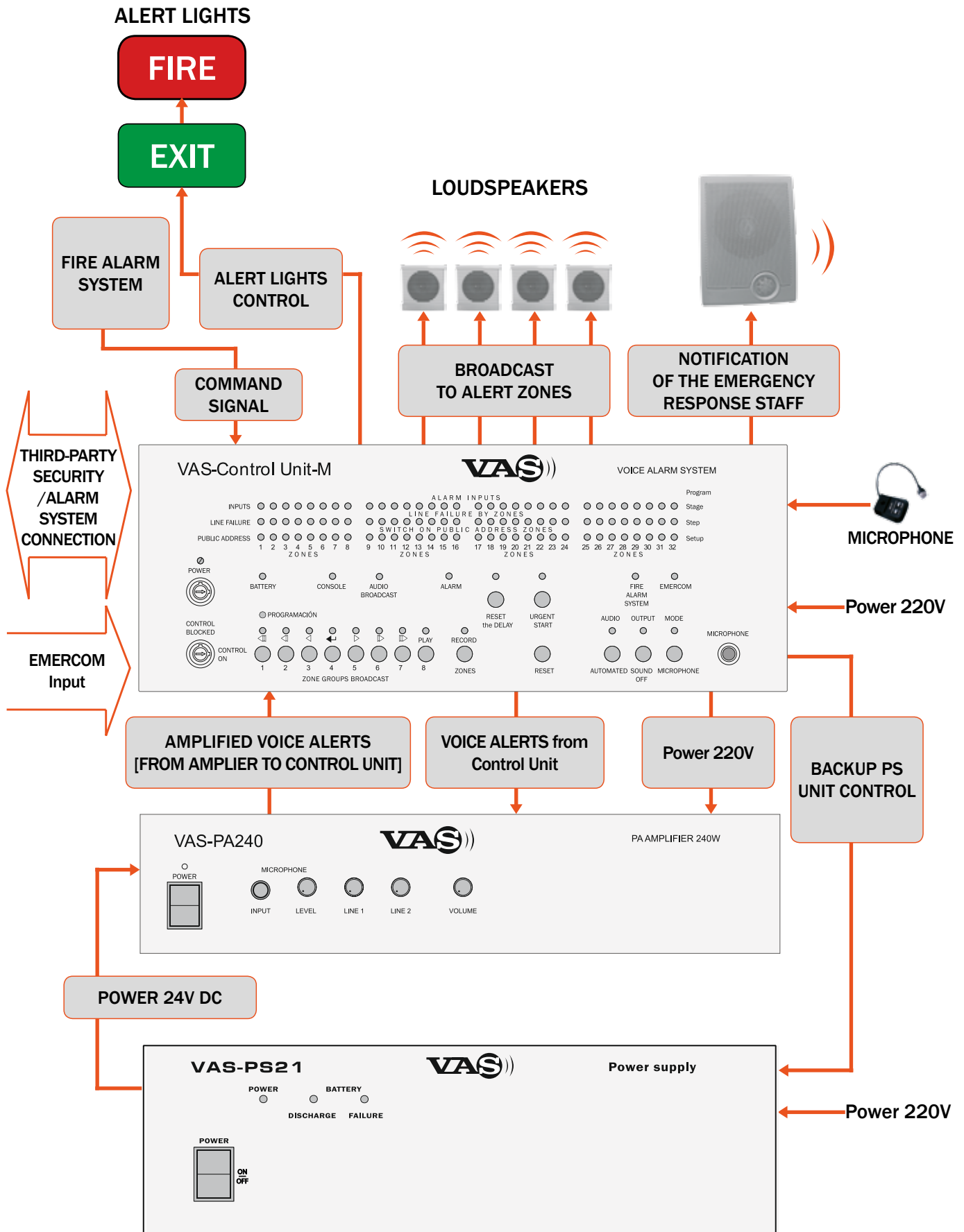
CM-10: with tonal signal, on/off button, complete with a battery



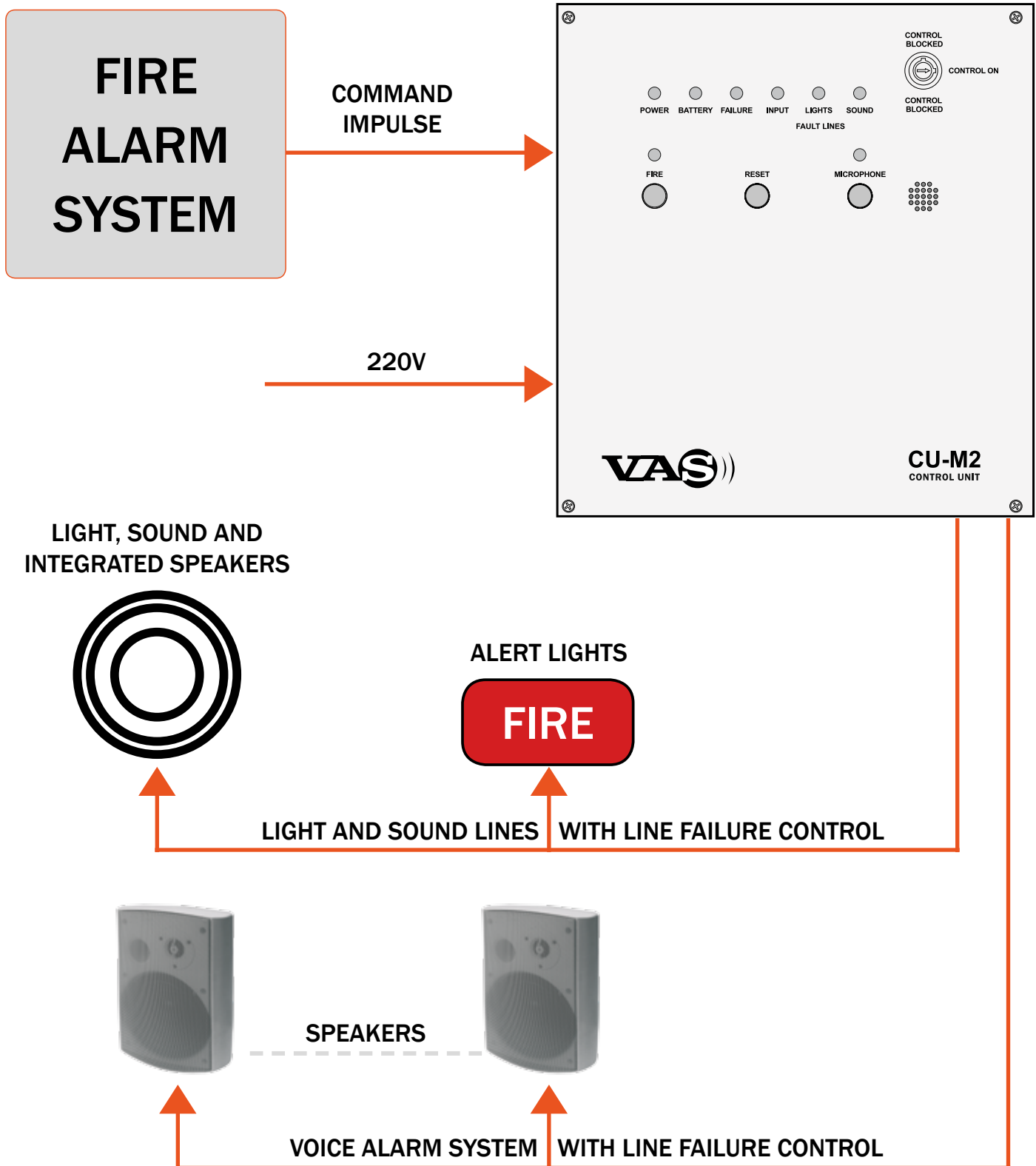
Global Voice Alarm System



LOCAL Voice Alarm System



LOCAL Voice Alarm System

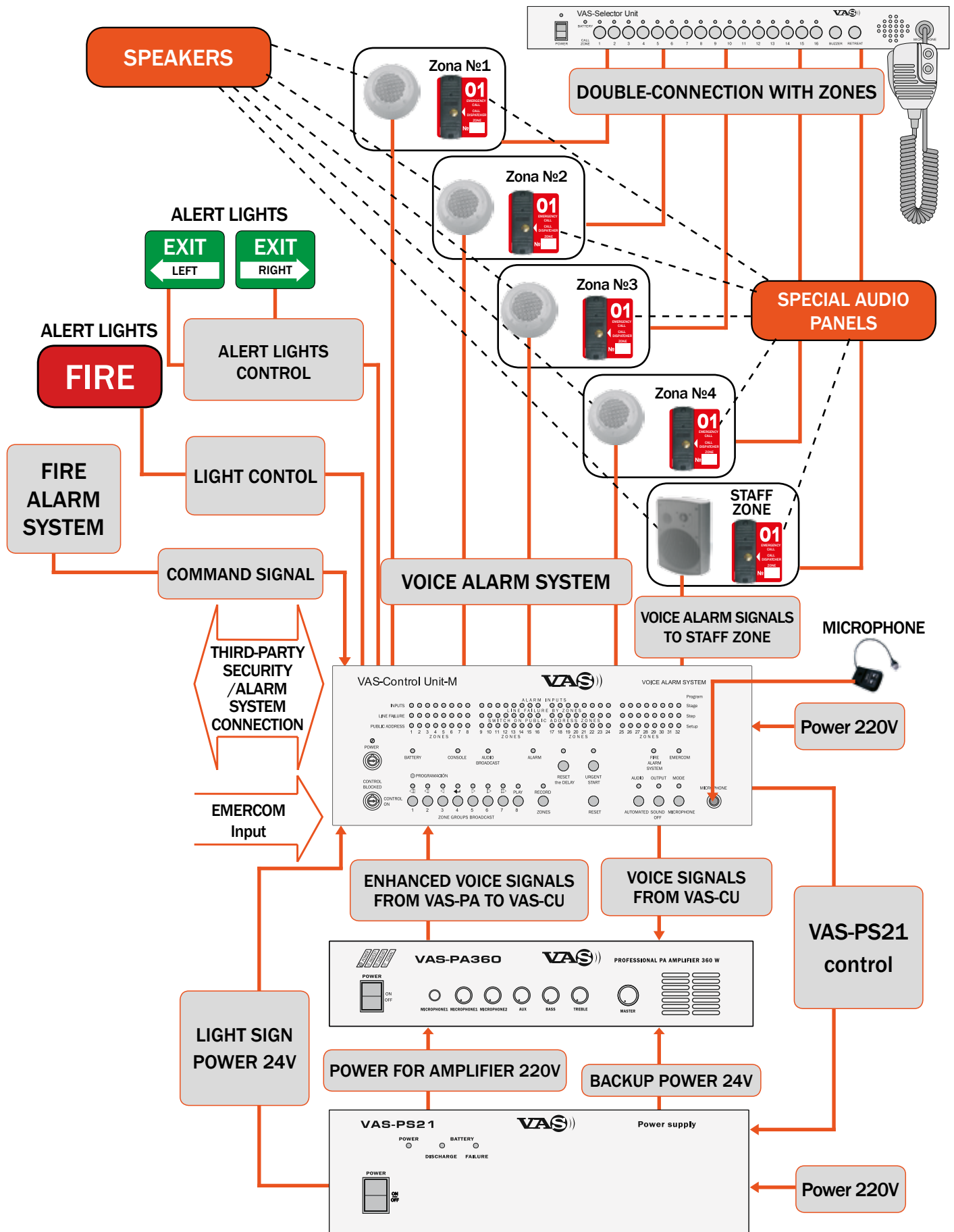


The diagram illustrates the VAS (Voice Alarm System) architecture, showing the connections between various components and external systems.

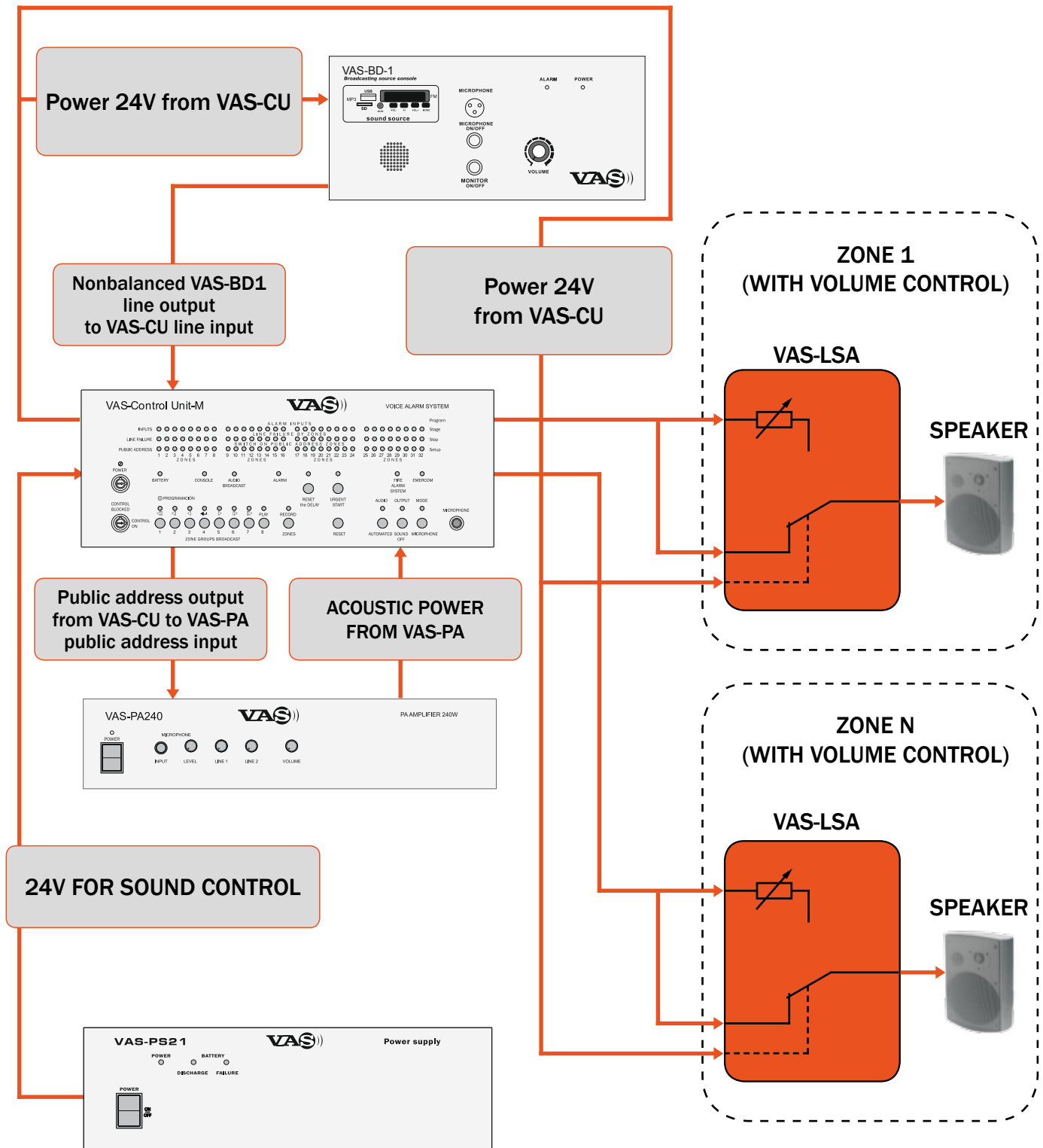
Key Components and Connections:

- VAS-Control Unit-M:** The central control unit, featuring inputs for LINE FAILURE, PUBLIC ADDRESS, and ZONES. It also has controls for BATTERY, CONSOLE, AUDIO BROADCAST, ALARM, and PROGRAMMATION. It is connected to the VAS-PA360 and VAS-PS21.
- VAS-PA360 Professional PA Amplifier 360 W:** Receives voice signals from the VAS-CU and provides enhanced voice signals back to the VAS-CU. It includes controls for MICROPHONE, MIX, BASS, TREBLE, and MASTER.
- VAS-PS21 Power supply:** Provides power for the amplifier and the control unit. It includes a POWER switch and a BATTERY section with DISCHARGE and FAILURE indicators.
- VAS-PS21 control:** Manages the power supply and is connected to the VAS-PA360 and VAS-Control Unit-M.
- External Systems:**
 - Fire Alarm System:** Connected to the VAS-Control Unit-M via a FIRE ALARM SYSTEM input.
 - Alert Lights:** Controlled by the VAS-Control Unit-M via ALERT LIGHTS CONTROL.
 - Special Audio Panels:** Connected to the VAS-Control Unit-M via a SPECIAL AUDIO PANELS input.
 - Staff Zone:** A dedicated zone for staff, connected to the VAS-Control Unit-M via a STAFF ZONE input.
 - Microphone:** Connected to the VAS-Control Unit-M via a MICROPHONE input.
- Power Connections:**
 - Power 220V:** Provides main power to the VAS-Control Unit-M and the VAS-PS21.
 - Power 24V:** Provides backup power to the VAS-PS21.
 - Power for Amplifier 220V:** Provides power to the VAS-PA360.
- Other Features:**
 - DOUBLE-CONNECTION WITH ZONES:** A feature allowing for multiple connections to different zones.
 - VOICE ALARM SIGNALS TO STAFF ZONE:** A dedicated signal path for staff zone alerts.
 - THIRD-PARTY SECURITY / ALARM SYSTEM CONNECTION:** A connection point for external security systems.
 - EMERCOM Input:** A dedicated input for emergency communication.

LOCAL Voice Alarm System

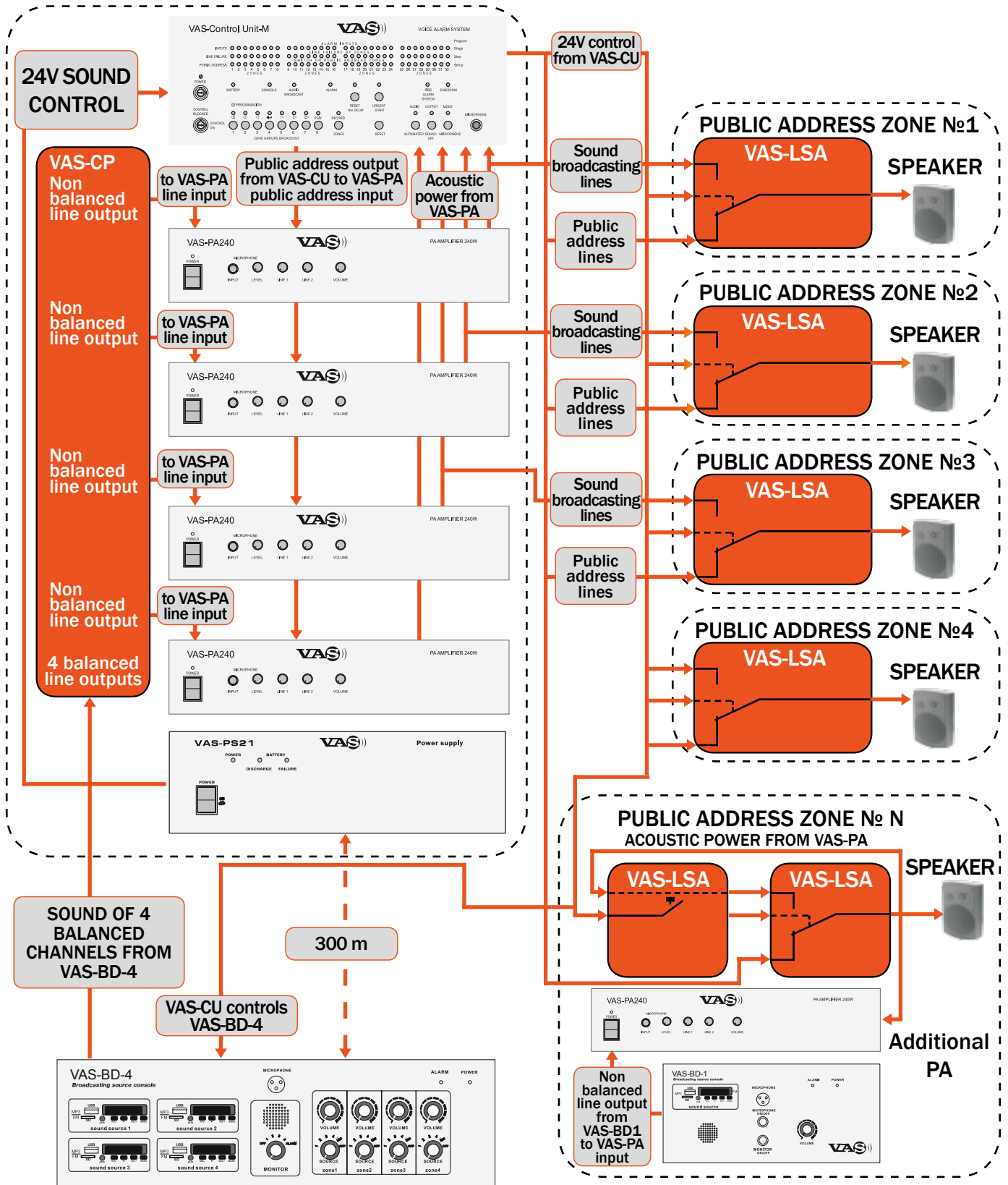


LOCAL Voice Alarm System



Recommended system for hotels, hospitals and other public buildings.

LOCAL Voice Alarm System





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