



VOICE ALARM  
SYSTEMS

CATALOGUE 2026/2027

Over 60 years of designing and manufacturing professional audio products in Italy, providing sound specialists worldwide with the best quality.

**CRAFTED SOUND**



## **RESEARCH, INNOVATION & TECHNOLOGICAL EXCELLENCE**

Founded in 1963 in Recanati, FBT Elettronica SpA has risen to become a global leader in the professional audio market. With more than 60 years' experience behind it, the company designs and manufactures a wide range of high-performance audio solutions to meet the most demanding requirements in touring, fixed installation and portable sound applications. FBT offers a comprehensive range of products ranging from active and passive loudspeakers, power amplifiers and digital processors to advanced system solutions for complex environments. Our portfolio is designed to deliver versatility and exceptional quality in every setting, from small events to large-scale live productions and from permanent installations to corporate and hospitality venues.



## **GLOBAL PRESENCE, TAILORED SOLUTIONS**

With an extensive distribution network spanning more than 120 countries and with over 140 qualified partners, FBT guarantees not only a strong global presence but also tailored solutions and top-tier technical support for audio professionals worldwide.



## **INTEGRATED ENGINEERING & MADE IN ITALY PRODUCTION**

chnology and craftsmanship come together to ensure exceptional quality standards. Within a single production hub we house research and development laboratories, electronics departments, carpentry, mechanical workshops, painting facilities, quality control and dedicated after-sales service.

This vertical integration allows us to maintain complete control over the production process, guaranteeing continuous innovation, reliability and superior performance enhanced by functional and sophisticated design.

## **WE PROVIDE THE INDUSTRY WITH 360° ASSISTANCE**

### **SUPPORT**

Planning the workflow, defining specifications and functionality, performing acoustical measurements according to national/international standards. Site inspection on demand..

### **SYSTEM COMMISSIONING**

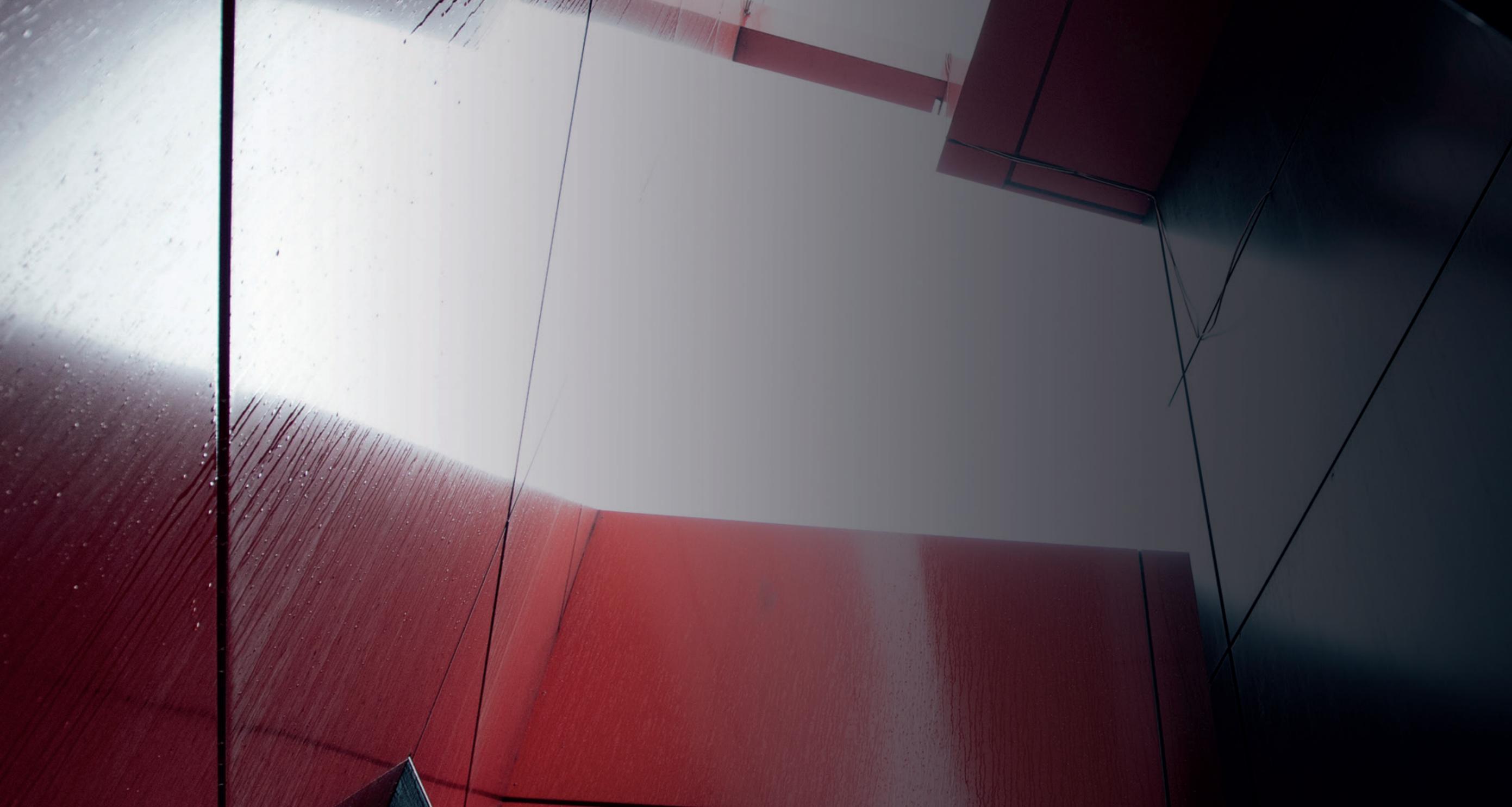
Support during installation through remote or on-site inspections, audio system commissioning with acoustic measurements according to national/international standards, providing signed commissioning reports and on-site technical service..

### **ACOUSTICAL MODELLING**

Producing 2D/3D models of the venue, performing electro-acoustic simulation using EASE software packages and others, providing technical and acoustical reports.

### **TRAINING**

Technical training programmes for audio, acoustics and standards..



<b>11</b>	<b>SPEAKER SYSTEMS</b>
<b>37</b>	<b>MODULAR VOICE ALARM SYSTEMS</b>
<b>45</b>	<b>COMPACT VOICE ALARM SYSTEMS</b>
<b>53</b>	<b>MICROPHONE CONTROL UNITS</b>
<b>58</b>	<b>19" RACK SYSTEMS</b>
<b>63</b>	<b>AUDIO SOLUTIONS</b>

## **SPEAKER SYSTEMS**

---

**12** LINE ARRAY ELEMENT

**14** POINT SOURCE

**18** COLUMN

**22** PENDANT

**26** IN-CEILING

**30** HORN & PROJECTORS

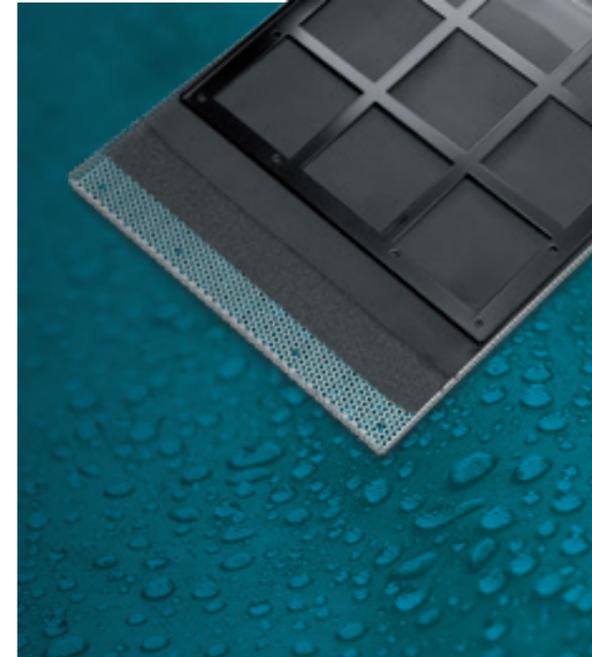
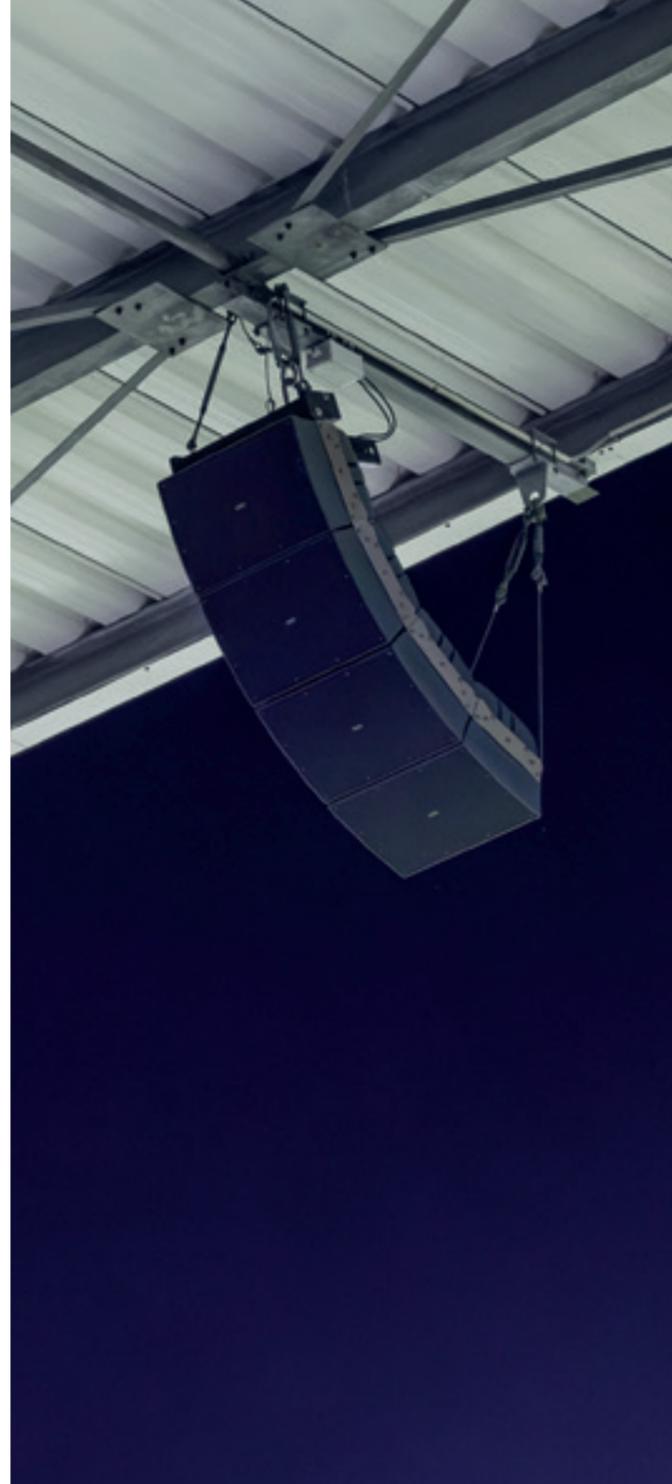
**34** SURFACE-MOUNTING

**35** IN-WALL

## SHADOW

The **EN 54-24**-certified SHADOW range is a complete line of high-performance speakers designed to deliver an optimal signal-to-noise ratio even in high-noise environments. These speakers provide excellent music and voice reproduction and are built to withstand **harsh weather conditions**, ensuring **long-term reliability and durability**.

All SHADOW models are constructed from **5VB self-extinguishing polyethylene (PE)** and feature **stainless steel** hardware. In addition to the EN 54-24 certification, the **IP55** rating makes SHADOW the ideal choice for a wide range of environments including sports facilities, swimming pools, ski resorts and theme parks. Each SHADOW unit is equipped with a 4-core, 800mm fire-resistant cable and is finished in standard black (RAL 9005).



The highly weather-resistant driver is further protected by a **water-stop grille** that prevents solids and liquids from entering the enclosure. Each protective grille consists of a **three-layer structure**: an external perforated stainless-steel panel with a special protective treatment, a middle layer of reticulated foam and an inner layer of water-repellent polyester mesh, ensuring maximum protection with minimal acoustic attenuation.



**SW-F 142**  
Code:  
36350

Flying bar for rigging SHADOW 142L/EN.



Code		41811
Configuration	way	2
FR transducer	inch	---
LF Transducer	inch	14 - 3 VC
HF Transducer	inch	2 x 1.4 - 2.5 VC
Rated Noise Power (100h)	W	250
Rated Impedance (Lo-Z / Hi-Z)	Ω	8
Transformer Taps (100V)	W	---
Frequency Response (@-6dB)	Hz	63Hz - 20kHz
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	102 / 90
Max SPL (@1m)/(@4m)	dB	126 / 114
Dispersion (-6dB@2kHz)	H° x V°	70 x 30
Materials (Cabinet / Grille)		PE 5VB / Steel
IP Rating		IP55
Operating Temperature	°C	-22 ÷ +55
Ceiling Cut-Out	mm / inch	---
Net Dimensions (WxHxD)	mm / inch	615 x 430 x 415 / 24.21 x 16.92 x 16.33
Net Weight	Kg / Lb	38.6 / 85.09



### SHADOW 142L/EN

- 2-way line array module
- Certification EN 54-24
- Long throw application
- 3 layers water-stop grille
- Low-Z input connection



**SHADOW 112HCT/EN**

- 2-way horn loaded coaxial point source
- Certification EN 54-24
- Medium/Long throw application
- 3 layers water-stop grille
- Low-Z/High-Z input connection



**SHADOW 112HC/EN**

- 2-way horn loaded coaxial point source
- Certification EN 54-24
- Medium/Long throw application
- 3 layers water-stop grille
- Low-Z input connection



**SHADOW 112CT/EN**

- 2-way coaxial point source
- Certification EN 54-24
- Medium throw application
- 3 layers water-stop grille
- Low-Z/High-Z input connection

		112HCT/EN	112HC/EN	112CT/EN
Code		41810	41824	41809
Configuration	way	2	2	2
FR transducer	inch	---	---	---
LF Transducer	inch	12 coax - 2.5 VC	12 coax - 2.5 VC	12 coax - 2.5 VC
HF Transducer	inch	1 - 1.7 VC	1 - 1.7 VC	1 - 1.7 VC
Rated Noise Power (100h)	W	200	250	200
Rated Impedance (Lo-Z / Hi-Z)	Ω	8 / 50 - 100	8	8 / 50 - 100
Transformer Taps (100V)	W	200 - 100	---	200 - 100
Frequency Response (@-6dB)	Hz	98 - 19.000	98 - 19.000	68 - 20.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	101 / 89	101 / 89	97.5 / 85.5
Max SPL (@1m)/(@4m)	dB	123 / 111	125 / 113	120 / 108
Dispersion (-6dB@2kHz)	H° x V°	60 x 80	60 x 80	80 x 80
Materials (Cabinet / Grille)		PE 5VB / Steel	PE 5VB / Steel	PE 5VB / Steel
IP Rating		IP55	IP55	IP55
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---	---	---
Net Dimensions (WxHxD)	mm / inch	430 x 430 x 419 / 16.92 x 16.92 x 16.49	430 x 430 x 419 / 16.92 x 16.92 x 16.49	430 x 430 x 419 / 16.92 x 16.92 x 16.49
Net Weight	Kg / Lb	23.4 / 158	21.9 / 48.28	19.3 / 42.54



**SHADOW 108CT/EN**

- 2-way coaxial point source
- Certification EN 54-24
- Short throw application
- 3 layers water-stop grille
- Low-Z/High-Z input connection



**SHADOW 105T/EN**

- 2-way point source
- Certification EN 54-24
- Short throw application
- Fully adjustable support bracket
- Low-Z/High-Z input connection

		108CT/EN	105T/EN
Code		41808	40646
Configuration	way	2	2
FR transducer	inch	---	---
LF Transducer	inch	8 - 2 VC	5 - 1 VC
HF Transducer	inch	1 - 1.4 VC	1 - 1 VC
Rated Noise Power (100h)	W	150	50
Rated Impedance (Lo-Z / Hi-Z)	Ω	8 / 85 - 166	8 / 200 - 400
Transformer Taps (100V)	W	120 - 60	50 - 25
Frequency Response (@-6dB)	Hz	94 - 20.000	100 - 18.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	94 / 82	87.5 / 75.5
Max SPL (@1m)/(@4m)	dB	115 / 103	104 / 92
Dispersion (-6dB@2kHz)	H° x V°	90 x 90	80 x 70
Materials (Cabinet / Grille)		PE 5VB / Steel	ABS / Steel
IP Rating		IP55	IP55
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---	---
Net Dimensions (WxHxD)	mm / inch	285 x 285 x 250 / 11.22 x 11.22 x 9.84	168 x 222 x 161 / 6.61 x 8.74 x 6.33
Net Weight	Kg / Lb	10.5 / 23.14	3.3 / 7.27



## PROJECT

The **EN 54-24**-certified PROJECT range's exclusive, compact design is the ideal solution for compliance with voice evacuation standards without compromising on aesthetics or sound quality.

These speakers deliver clear, balanced audio performance, suitable for both **voice announcements** and **background music** applications. All PROJECT speakers include a fully adjustable wall bracket to allow **easy and user-friendly installation**.

Each model is constructed from flame-resistant **V0 self-extinguishing ABS (UL94V-0)** with a metal front grille and is available in standard black or white finishes.



### PROJECT 550T/EN

- 2-way bass-reflex point source
- Certification EN 54-24
- Short throw application
- Fully adjustable support bracket
- Low-Z/High-Z input selection

### PROJECT 320T/EN

- 2-way bass-reflex point source
- Certification EN 54-24
- Short throw application
- Fully adjustable support bracket
- Low-Z/High-Z input selection

		550T/EN	320T/EN
Code		46318 (Black) - 46319 (White)	46316 (Black) - 46317 (White)
Configuration	way	2	2
FR transducer	inch	---	---
LF Transducer	inch	5 - 1 VC	3.5 - 1 VC
HF Transducer	inch	1 - 1 VC	1 - 0.5 VC
Rated Noise Power (100h)	W	50	20
Rated Impedance (Lo-Z / Hi-Z)	Ω	4 / 155 - 205 - 310 - 615	8 / 500 - 666 - 1250 - 2500
Transformer Taps (100V)	W	16 / 32 / 48 / 65	4 / 8 / 15 / 20
Frequency Response (@-6dB)	Hz	110 - 20.000	130- 20.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	87 / 75	82 / 70
Max SPL (@1m)/(@4m)	dB	104 / 92	95 / 83
Dispersion (-6dB@2kHz)	H° x V°	80 x 120	130 x 135
Materials (Cabinet / Grille)		ABS (UL94V0) / Metal	ABS (UL94V0) / Metal
IP Rating		IP21C	IP21C
Operating Temperature	°C	-25 + +55	-25 + +55
Ceiling Cut-Out	mm / inch	---	---
Net Dimensions (WxHxD)	mm / inch	168 x 240 x 180 / 6.61 x 9.44 x 7.08	143 x 204 x 162 / 5.62 x 8.03 x 6.37
Net Weight	Kg / Lb	2.8 / 6.17	1.6 / 3.52

## VERTUS CLA

The VERTUS CLA family comprises two loudspeaker systems designed for professional use in challenging acoustic environments. Both share high-quality construction materials such as extruded aluminium, and are **EN 54-24** certified, but differ in speaker configuration and are optimised for specific applications.

### VERTUS CLA 4" Series

This series includes two models housed in elegant, compact extruded aluminium enclosures:

**CLA 604:** A 2-way professional line array system offering precise dispersion control and high-definition audio reproduction. Ideal for applications requiring exceptional speech intelligibility and directional coverage.

**CLA 204T:** A 2-way point source loudspeaker that combines outstanding audio performance with a compact, minimalist design, perfect for integration into architecturally refined environments.

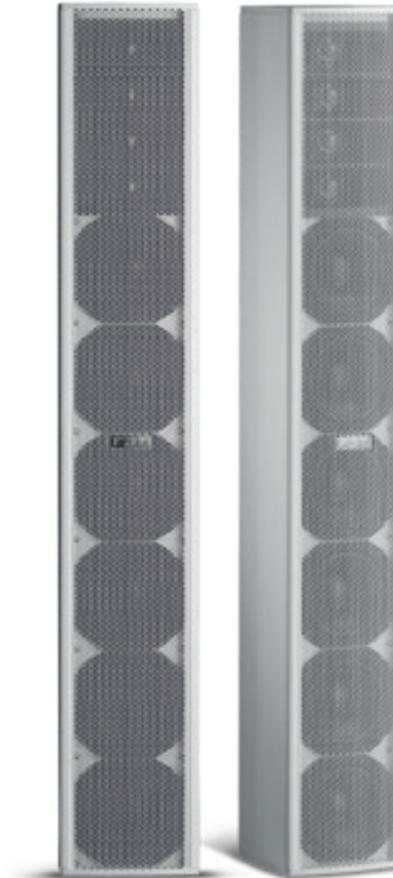
Both models are EN 54-24-certified and engineered to deliver exceptional audio performance in the most critical acoustic conditions.

### VERTUS CLA 3" Series

Comprising three EN 54-24-certified models, this series is notable for its discreet design and lightweight yet durable construction in powder-coated aluminium with **IP55** protection –suitable for both indoor installations and outdoor or harsh environments.

**CLA 803T** and **CLA 403T:** Full-range, single-way, highly versatile and modular line array components. Up to four units can be combined in an array, allowing dispersion, SPL and uniform coverage to be precisely adapted to the acoustic requirements of the space.

**CLA 203T:** An ultra-compact 2-way point source loudspeaker offering wide horizontal and vertical coverage, ideal for smaller spaces where uniform sound distribution is essential.



### VERTUS CLA 604

- 2-way high performance column line array
- Certification EN 54-24
- Medium throw application
- Suitable for music/speech application
- 4-core 800 mm length fireproof cable
- Low-Z/High-Z input connection

Code		36145
Configuration	Way	2
LF Transducer		---
LF Transducer	inch	6 x 4 - 1 VC
HF Transducer	inch	4 x 1 - 1 VC
Rated Noise Power (100h)	W	100
Rated Impedance (Lo-Z - Hi-Z)	Ω	8 / 100 - 20
Transformer Taps	W	100 / 50
Frequency Response (@-6dB)	Hz	140 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	91 / 79
Max SPL (cont/peak)	dB	110 / 98
Dispersion (-6dB@2kHz)	H° x V°	120 x 15
Materials		Aluminium / Steel
IP Rating		IP32
Operating Temperature	°C	-25 ÷ + 55
Ceiling Cut-Out	mm / inch	---
Dimensions (WxHxD)	mm / inch	130 x 849 x 133 / 5.11 x 33.42 x 5.33
Net Weight	Kg / Lb	10.5 / 23.14



**VT-W 604 W**  
Code: 37043

Directional wall mount for CLA 604. Color white RAL9016.



### VERTUS CLA 204T

- 2-way point source
- Certification EN 54-24
- Short throw application
- Available in standard black/white colors
- Flexible mounting systems
- Low-Z/High-Z input selection

Code		45502 (Black) / 45501 (White)
Configuration	Way	2
LF Transducer		---
LF Transducer	inch	2 x 4 - 1 VC
HF Transducer	inch	1 - 1 VC
Rated Noise Power (100h)	W	40
Rated Impedance (Lo-Z - Hi-Z)	Ω	8 / 250 - 450 - 850 - 1650
Transformer Taps	W	30 / 20 / 10 / 5
Frequency Response (@-6dB)	Hz	130 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	88 / 76
Max SPL (cont/peak)	dB	103 / 91
Dispersion (-6dB@2kHz)	H° x V°	120 - 130
Materials		Aluminium / Steel
IP Rating		IP32
Operating Temperature	°C	-25 ÷ + 55
Ceiling Cut-Out	mm / inch	---
Dimensions (WxHxD)	mm / inch	130 x 312 x 147 / 5.11 x 12.28 x 5.78
Net Weight	Kg / Lb	10.5 / 23.14



### VERTUS CLA 803T

- IP55 full-range column line array module
- Certification EN 54-24
- Flexible arrayable configuration with two selectable vertical dispersion
- Medium/long throw application
- Available in standard black/white colors
- Low-Z/High-Z input selection

Code		41806 (Black) - 41823 (White)
Configuration	Way	1
LF Transducer		8 x 3 - 0,7 VC
LF Transducer	inch	---
HF Transducer	inch	---
Rated Noise Power (100h)	W	100
Rated Impedance (Lo-Z - Hi-Z)	$\Omega$	8 / 10 - 200
Transformer Taps	W	100 / 50
Frequency Response (@-6dB)	Hz	150 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	94 / 82
Max SPL (cont/peak)	dB	112 / 100
Dispersion (-6dB@2kHz)	H° x V°	125 x 26 / 18 (selectable)
Materials		Aluminum / Steel
IP Rating		IP55
Operating Temperature	°C	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---
Dimensions (WxHxD)	mm / inch	100 x 704 x 125 / 3.93 x 27.71 x 4.92
Net Weight	Kg / Lb	5.5 / 12.12



#### VT-W 3

Code: 41797 (black)  
Code: 41821 (white)

Directional wall mount for CLA 803 and CLA 403 in vertical.  
Color black RAL9005 / Color white RAL9016.



#### VT-WH 3

Code: 41798 (black)  
Code: 41798 (white)

Directional wall mount for CLA 803 and CLA 403 in horizontal.  
Color black RAL9005 / Color white RAL9016.



### VERTUS CLA 403T

- IP55 full-range column line array module
- Certification EN 54-24
- Flexible arrayable configuration with two selectable vertical dispersion
- short/medium throw application
- Available in standard black/white colors
- Low-Z/High-Z input selection

Code		41807 (Black) - 41824 (White)
Configuration	Way	1
LF Transducer		4 x 3 - 0,75 VC
LF Transducer	inch	---
HF Transducer	inch	---
Rated Noise Power (100h)	W	50
Rated Impedance (Lo-Z - Hi-Z)	$\Omega$	16 / 85 - 166
Transformer Taps	W	50 / 25
Frequency Response (@-6dB)	Hz	150 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	91 / 79
Max SPL (cont/peak)	dB	106 / 94
Dispersion (-6dB@2kHz)	H° x V°	125 x 36 / 28 (selectable)
Materials		Aluminum / Steel
IP Rating		IP55
Operating Temperature	°C	-25 ÷ +55
Ceiling Cut-Out	mm	---
Dimensions (WxHxD)	mm / inch	100 x 368 x 125 / 3.93 x 14.48 x 4.92
Net Weight	Kg / Lb	3 / 6.61



#### WM-23

Code: 45782 (black)  
Code: 45783 (white)

Directional wall mount for CLA 203 and CLA 204.  
Color black RAL9005 / Color white RAL9016.



#### WT-F 3

Code: 41795 (black)  
Code: 41820 (white)

Flying bar per CLA 803 e CLA 403.  
Color black RAL9005 / Color white RAL9016.



#### WT-J 3

Code: 41794 (black)  
Code: 41819 (white)

Joint bar 0°-15° per CLA 803 e CLA 403.  
Color black RAL9005 / Color white RAL9016.



#### WT-J F

Code: 41799

Joint bar per CLA 803 e CLA 403. Color black RAL9005.

### VERTUS CLA 203T

- IP55 2-way ultra-compact point source
- Certification according to EN 54-24
- Short throw application
- Flexible mounting systemsn
- Available in standard black/white colors
- Low-Z/High-Z input selection

Code		45510 (Black) - 45351 (White)
Configuration	Way	2
LF Transducer		---
LF Transducer	inch	2 x 3 - 0.75 VC
HF Transducer	inch	1 dome
Rated Noise Power (100h)	W	30
Rated Impedance (Lo-Z - Hi-Z)	$\Omega$	8 / 250 - 450 850 - 1650
Transformer Taps	W	30 / 20 / 10 / 5
Frequency Response (@-6dB)	Hz	160 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	87 / 75
Max SPL (cont/peak)	dB	101 / 89
Dispersion (-6dB@2kHz)	H° x V°	120 x 110
Materials		Aluminum / Steel
IP Rating		IP55
Operating Temperature	°C	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---
Dimensions (WxHxD)	mm / inch	100 x 249 x 125 / 3.93 x 9.80 x 4.92
Net Weight	Kg / Lb	1.5 / 3.3

## LIBRA 5CT

The ideal solution for **open-plan environments** requiring high-quality audio performance seamless architectural integration and **EN 54-24** certification to comply with voice alarm evacuation standards. Designed to address the acoustic challenges of modern high-ceilinged architecture and open spaces, LIBRA 5CT/EN is perfectly suited for hotel lobbies, foyers, restaurants, bars, showrooms, shopping malls, warehouses and transport hubs.

These spaces often feature loud background noise and long reverberation times, where two key priorities must be addressed: **safety**, by ensuring compliance with certified emergency sound system standards, and **listening comfort** through consistent SPLs and high speech intelligibility.

Thanks to its suspended design, LIBRA 5CT/EN offers a compelling alternative to traditional surface-mounted loudspeakers by **focusing sound on the listening area**, reducing reverberation and improving speech clarity, even in acoustically demanding spaces.

Available in white and black finishes, LIBRA 5CT/EN blends seamlessly into a wide variety of architectural contexts with its modern, unobtrusive design.



## LIBRA 5CT

- 2-way coaxial bass reflex design
- Certification EN 54-24
- Compact and lightweight design for natural sound reproduction
- IP55 waterproof rating
- 2-core 4,5m length cable
- Low-Z/High-Z input selection

Code		45511 (Black) - 45483 (White)
Configuration	way	2
FR transducer	inch	---
LF Transducer	inch	5 - 1.5 VC
HF Transducer	inch	1 - 1 VC
Rated Noise Power (100h)	W	64
Rated Impedance (Lo-Z / Hi-Z)	Ω	15 / 156 - 312 - 625 - 1000
Transformer Taps (100V)	W	64 / 32 / 16 / 10
Frequency Response (@-6dB)	Hz	80 - 20.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	86 / 74
Max SPL (@1m)/(@4m)	dB	104 / 92
Dispersion (-6dB@2kHz)	H° x V°	85
Materials (Cabinet / Grille)		ABS (UL94V0) / Steel / Aluminium
IP Rating		---
Operating Temperature	°C	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---
Net Dimensions (WxHxD)	mm / inch	Ø215 x 275 / Ø8.46 x 10.82
Net Weight	Kg / Lb	4 / 8.81



## PSP 420 TWP/EN

The new **EN 54-24**-certified PSP pendant speaker has been designed to maximise the balance between performance and cost-effectiveness, making it ideal for installations in warehouses, medium-sized shopping malls and retail spaces.

Its flame-resistant **V0 self-extinguishing ABS (UL94V-0)** enclosure featuring **IP65 (Type A)** protection ensures durability and reliability in the most demanding environments.

Available in white (RAL 9016).



### PSP 420 TWP/EN

- 2-way design
- Certification EN 54-24
- Excellent price/performance ratio
- IP65 waterproof rating
- 2-core 4,5m length cable
- Low-Z/High-Z input selection

Code		45893
Configuration	way	2
FR transducer	inch	---
LF Transducer	inch	4
HF Transducer	inch	1
Rated Noise Power (100h)	W	20
Rated Impedance (Lo-Z / Hi-Z)	Ω	8 / 500 - 1000 - 2000 - 4000
Transformer Taps (100V)	W	20 / 10 / 5 / 2,5
Frequency Response (@-6dB)	Hz	70 - 22.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	83.9 / 71.9
Max SPL (@1m)/(@4m)	dB	96.1 / 84.1
Dispersion (-6dB@2kHz)	H° x V°	102 - 102
Materials (Cabinet / Grille)		ABS (UL94V0) / Metal
IP Rating		IP65
Operating Temperature	°C	-10 ÷ +55
Ceiling Cut-Out	mm / inch	---
Net Dimensions (WxHxD)	mm / inch	Ø189 x 231 / Ø7.44 x 9.09
Net Weight	Kg / lb	2.25 / 4.96

## ELYSION

The ELYSION series combines a sleek, discreet design with **EN 54-24** certification, making it the ideal solution for environments where visual aesthetics are as important as acoustic performance. Engineered to deliver **high-quality** music reproduction and outstanding speech **intelligibility**, the range includes two models:

### ELYSION 4CT

A 2-way loudspeaker with a 4" woofer, ideal for installation in shallow ceiling spaces.

### ELYSION 6CT

A 2-way loudspeaker with a 6.5" woofer, designed to deliver higher SPLs and extended low-frequency response.

Both models share a construction concept designed to **simplify installation** and ensure **long-term reliability**. Features include a paintable magnetic front grille for seamless visual integration, a spring-lock mounting system for quick and secure installation, a safety hook and a 5-pole ceramic terminal block with thermal fuse, ideal for daisy-chaining and compliance with fire safety regulations.

Available with white or black front grilles, ELYSION loudspeakers adapt effortlessly into any architectural environment, from commercial spaces to hospitality venues.



### ELYSION 6CT

- 2-way bass-reflex design
- Certification EN 54-24
- Clear and warm low-frequency reproduction
- Fast installation with springlock mounting clamps
- Low-Z/High-Z input selection

### ELYSION 4CT

- 2-way bass-reflex design
- Certification EN 54-24
- Clear and warm low-frequency reproduction
- Fast installation with springlock mounting clamps
- Low-Z/High-Z input selection

		ELYSION 6CT	ELYSION 4CT
Code		47328 (Black) - 47329 (White)	47330 (Black) - 47331 (White)
Configuration	Way	2	2
FR Transducer	inch	---	---
LF Transducer		6.5	4
HF Transducer	inch	0.75	0.75
Rated Noise Power (100h)	W	60	30
Rated Impedance (Lo-Z - Hi-Z)	Ω	16 / 666-333-166	16 / 1333-666-333
Transformer Taps	W	60 / 30 / 15	30 / 15 / 7.5
Frequency Response (@-6dB)	Hz	68 - 20.000	85 - 20.000
EN54-24 Sensitivity (@1W/1m)	dB	89.5 / 77.5	87 / 75
Max SPL (cont/peak)	dB	106.5 / 94.5	100.5 / 88.5
Dispersion (-6dB@2kHz)	H° x V°	73 x 73	149 x 149
Materials		ABS (UL94V0) / Steel	ABS (UL94V0) / Steel
IP Rating		21	21
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	Ø295 / Ø11,6	Ø295 / Ø11,6
Dimensions (WxHxD)	mm / inch	Ø325 x 201 / Ø12,8 x 7,9	Ø325 x 101 / Ø12,8 x 4
Net Weight	Kg / Lb	4.5 / 9,92	3.5 / 7,71



**CSP 610 TMG/EN**

In-ceiling speaker system designed for marine and clean-room applications, compliant with ISO 14644-1 standards. V0 self-extinguishing ABS (UL94V-0) enclosure with an integrated spring-clamp mounting system. The system is equipped with a 6.5" full-range dual-cone loudspeaker and a 5-pin terminal accessible via two PG9 cable entries. IP54-rated enclosure protection (Type B), finished in white (RAL 9016).

EN 54-24-certified.

		CSP 610 TMG/EN	CSP 306 TWP/EN
Code		45891	45892
Configuration	way	1	1
FR transducer	inch	6.5	3
LF Transducer	inch	---	---
HF Transducer	inch	---	---
Rated Noise Power (100h)	W	10	6
Rated Impedance (Lo-Z / Hi-Z)	Ω	- / 1000-1667-3333-6667	- / 1667-3333-6667
Transformer Taps (100V)	W	10 / 6 / 3 / 1.5	6 / 3 / 1.5
Frequency Response (@-10dB)	Hz	42 - 25.000	220Hz - 14.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	90.9 / 78.9	80.5 / 68.5
Max SPL (@1m)/(@4m)	dB	98.2 / 86.2	89 / 77
Dispersion (-6dB@2kHz)	H° x V°	145 x 145	140
Materials (Cabinet / Grille)		ABS (UL94-V0)	ABS (UL94-V0) / Metal
IP Rating		IP54	IP54
Operating Temperature	°C	-25 ÷ +70	-25 ÷ +70
Ceiling Cut-Out	mm / inch	Ø175 / Ø6.88	Ø129 / Ø5.07
Net Dimensions (WxHxD)	mm / inch	Ø220 x 82 / 8.66 x 3.22	Ø140 x 98 / 5.51 x 3.85
Net Weight	Kg / Lb	1 / 2.20	0.68 / 1.49



**CSP 306 TWP/EN**

In-ceiling speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure, a metal grille and integrated spring-clamp mounting system.

The system is equipped with a 3" full-range loudspeaker and a WAGO 221 terminal block. IP54 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.



**CSP 412 T/EN**

In-ceiling speaker system with sheet metal enclosure (metal fire dome included), metal grille and integrated spring-clamp mounting system. The system is equipped with a 6.7" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.

		CSP 412 T/EN	CSP 406 T/EN	CSP 506 T/EN
Code		37728	37727	45890
Configuration	way	1	1	1
FR transducer	inch	6	5	5
LF Transducer	inch	---	---	---
HF Transducer	inch	---	---	---
Rated Noise Power (100h)	W	12	6	6
Rated Impedance (Lo-Z / Hi-Z)	Ω	- / 833-1667-3333	- / 1667-3333-6667	- / 1667-3333-6667
Transformer Taps (100V)	W	12 / 6 / 3	6 / 3 / 1.5	6 / 3 / 1.5
Frequency Response (@-10dB)	Hz	250 - 15.000	350 - 15.000	57 - 24.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	94 / 82	92 / 80	86.8 / 74.8 (PET)
Max SPL (@1m)/(@4m)	dB	105 / 93	100 / 88	97 / 85
Dispersion (-6dB@2kHz)	H° x V°	110 x 110	160 x 160	140 x 140
Materials (Cabinet / Grille)		Metal	Metal	Metal
IP Rating		IP32	IP32	IP21C
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55	-10 ÷ +55
Ceiling Cut-Out	mm	Ø205 / Ø8.07	Ø165 / Ø6.49	Ø156 / Ø6.14
Net Dimensions (WxHxD)	mm / inch	Ø220 x 140 / Ø8.66 x 5.51	Ø180 x 120 / Ø7.08 x 4.72	Ø181 x 66 (PET) / Ø7.12 x 2.59
Net Weight	Kg / Lb	1.76 / 3.88	1.3 / 2.86	0.55 (PET) / 1.21

**CSP 406 T/EN**

In-ceiling speaker system with sheet metal enclosure (metal fire dome included), metal grille and integrated spring-clamp mounting system. The system is equipped with a 5" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.



**CSP 506 T/EN**

In-wall mounting speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure with a metal grille.

The system is equipped with a 5" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.



**FD 506**  
Code: 46320

Metal fire dome for CSP 506 T/EN.



**MSH 15 HF/EN**

A 2-way horn-type speaker system with V0 self-extinguishing ABS (UL94V-0) with integrated U-bracket. The system is equipped with 6.5" LF woofer and 1" HF tweeter and a 2-core 800mm fireproof cable. IP44 enclosure protection (Type B), finished in grey (RAL 7035). EN 54-24-certified.

Code		40952
Configuration	way	2
FR transducer	inch	---
LF Transducer	inch	6.5
HF Transducer	inch	1
Rated Noise Power (100h)	W	15
Rated Impedance (Lo-Z / Hi-Z)	Ω	- / 666-1250-2500
Transformer Taps (100V)	W	15 / 8 / 4
Frequency Response (@-10dB)	Hz	160 - 20.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	98 / 86
Max SPL (@1m)/(@4m)	dB	110 / 98
Dispersion (-6dB@2kHz)	H° x V°	30 x 60
Materials (Cabinet / Grille)		ABS (UL94V0)
IP Rating		IP44
Operating Temperature	°C	---
Ceiling Cut-Out	mm / inch	---
Net Dimensions (WxHxD)	mm / inch	335 x 240 x 315 / 13.18 x 9.44 x 12.40
Net Weight	Kg / Lb	3.95 / 8.7



**MHO 420 TW/EN**

Horn-type speaker system with die-cast aluminium body and aluminium sheeting horn, with integrated U-bracket. The system is equipped with a 4" full-range loudspeaker and 2-core 800mm fireproof cable. IP66 enclosure protection (Type B), finished in grey (RAL 7035). EN 54-24-certified.

Code		37735
Configuration	way	1
FR transducer	inch	4
LF Transducer	inch	---
HF Transducer	inch	---
Rated Noise Power (100h)	W	20
Rated Impedance (Lo-Z / Hi-Z)	Ω	- / 500-666-1000-2000-4000
Transformer Taps (100V)	W	20 / 15 / 10 / 5 / 2.5
Frequency Response (@-10dB)	Hz	500 - 5.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	103 / 91
Max SPL (@1m)/(@4m)	dB	116 / 103
Dispersion (-6dB@2kHz)	H° x V°	70 x 70
Materials (Cabinet / Grille)		Aluminium
IP Rating		IP66
Operating Temperature	°C	- 25 ÷ + 55
Ceiling Cut-Out	mm / inch	---
Net Dimensions (WxHxD)	mm / inch	Ø213 x 230 / Ø8.38 x 9.05
Net Weight	Kg / Lb	1.5 / 3.3



**SOP 540T/EN**

V0 self-extinguishing ABS (UL94V-0) enclosure with integrated U-bracket. The system is equipped with 6.5" full-range loudspeaker and 4-core 800mm fireproof cable.

IP65 enclosure protection (Type B), finished in grey (RAL 7035). EN 54-24-certified.



**MSP 420 TWB/EN**

Bidirectional sound projector speaker system with aluminium enclosure housing, steel front grille and integrated bracket.

The system is equipped with two 5" full-range loudspeakers and 4-core 800mm fireproof cable. IP65 enclosure protection (Type B), grey body (RAL 7035) and black front grille. EN 54-24-certified.



**MSP 420 TW/EN**

Sound projector speaker system with aluminium enclosure housing, steel front grille and integrated U-bracket.

The system is equipped with a 5" full-range loudspeaker and 4-core 800mm fireproof cable. IP65 enclosure protection (Type B), grey body (RAL 7035) and black front grille. EN 54-24-certified.

		SOP 540T/EN	MSP 420 TWB/EN	MSP 420 TW/EN
Code		40956	40957	37734
Configuration	way	1	1	1
FR transducer	inch	6.5	2 x 5	5
LF Transducer	inch	---	---	---
HF Transducer	inch	---	---	---
Rated Noise Power (100h)	W	40	20	20
Rated Impedance (Lo-Z / Hi-Z)	Ω	-/250-500-1000	-/500-1000-2000	-/500-1000-2000
Transformer Taps (100V)	W	40 / 20 / 10	20 / 10 / 5	20 / 10 / 5
Frequency Response (@-10dB)	Hz	100 - 19.000	150 - 15.000	150 - 15.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	88 / 76	87 / 75	92 / 80
Max SPL (@1m)/(@4m)	dB	104 / 92	100 / 88	105 / 93
Dispersion (-6dB@2kHz)	H° x V°	90 x 90	140 x 130	100 x 130
Materials (Cabinet / Grille)		ABS (UL94V0) / steel	Aluminum / Steel	Aluminum / Steel
IP Rating		IP65	IP65	IP65
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---	---	---
Net Dimensions (WxHxD)	mm / inch	Ø200 x 220 / Ø7.87 x 8.66	180 x 145 x 178 / 7.08 x 5.70 x 4.92	180 x 145 x 178 / 3.93 x 9.80 x 7
Net Weight	Kg / Lb	2.7 / 5.95	3 / 6.61	2.5 / 5.51



**SOP 426 TB/EN**

Bidirectional sound projector speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure with integrated bracket.

The system is equipped with two 5" full-range loudspeakers and a 4-core 800mm fireproof cable. IP44 enclosure protection (Type A), finished in white (RAL 9016). EN 54-24-certified



**SOP 412 T/EN**

integrated bracket. The system is equipped with a 5" full-range loudspeaker and 4-core 800mm fireproof cable. IP44 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.

		SOP 426 TB/EN	SOP 412 T/EN
Code		37732	37733
Configuration	way	1	1
FR transducer	inch	2 x 5	5
LF Transducer	inch	---	---
HF Transducer	inch	---	---
Rated Noise Power (100h)	W	12	12
Rated Impedance (Lo-Z / Hi-Z)	Ω	-/833-1667-3333	-/833-1667-3333
Transformer Taps (100V)	W	12 / 6 / 3	12 / 6 / 3
Frequency Response (@-10dB)	Hz	170 - 14.000	170 - 13.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	88 / 76	90 / 78
Max SPL (@1m)/(@4m)	dB	99 / 87	101 / 89
Dispersion (-6dB@2kHz)	H° x V°	120 x 120	100 x 100
Materials (Cabinet / Grille)		ABS (UL94V0)	ABS (UL94V0)
IP Rating		IP44	IP44
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---	---
Net Dimensions (WxHxD)	mm / inch	Ø140 x 207 / Ø55.90 x 8.14	Ø140 x 207 / Ø55.90 x 8.14
Net Weight	Kg / Lb	1.6 / 3.52	1.3 / 2.86





### WMS 406 T/EN

Surface-mount speaker system with sheet metal enclosure. The system is equipped with a 5" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016). EN 54-24-certified.



### WSP 406 TB/EN

Bidirectional surface-mount speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure and metal grille.

The system is equipped with two 2.5" full-range loudspeakers, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.



### WSP 406 T/EN

Surface-mount speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure and metal grille.

The system is equipped with a 4" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.

		WMS 406 T/EN	WSP 406 TB/EN	WSP 406 T/EN
Code		37730	40958	37729
Configuration	way	1	1	1
FR transducer	inch	5	2 x 2.5	4
LF Transducer	inch	---	---	---
HF Transducer	inch	---	---	---
Rated Noise Power (100h)	W	6	6	6
Rated Impedance (Lo-Z / Hi-Z)	$\Omega$	-/ 1667-3333-6667	-/ 1667-3333-6667	-/ 1667-3333-6667
Transformer Taps (100V)	W	6 / 3 / 1.5	6 / 3 / 1.5	6 / 3 / 1.5
Frequency Response (@-10dB)	Hz	150 - 15.000	170 - 16.000	180 - 10.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	91 / 79	86 / 74	88 / 76
Max SPL (@1m)/(@4m)	dB	99 / 87	93 / 81	96 / 84
Dispersion (-6dB@2kHz)	H° x V°	90 x 90	35 x 120	110 x 100
Materials (Cabinet / Grille)		Metal	ABS (UL94-V0) / Metal	ABS (UL94-V0) / Metal
IP Rating		IP32	IP32	IP32
Operating Temperature	°C	-25 ÷ +55	-25 ÷ +55	-25 ÷ +55
Ceiling Cut-Out	mm / inch	---	---	---
Net Dimensions (WxHxD)	mm / inch	210 x 190 x 70 / 8.26 x 7.48 x 2.75	258 x 169 x 72 / 10.15 x 6.65 x 2.83	258 x 169 x 72 / 10.15 x 6.65 x 2.83
Net Weight	Kg / Lb	1.62 / 3.57	0.78 / 1.71	0.9 / 1.98



### RWS 412 T/EN

In-wall speaker system with V0 self-extinguishing ABS (UL94V-0) enclosure and metal grille. The system is equipped with a 5" full-range loudspeaker, ceramic terminal block and thermal fuse. IP32 enclosure protection (Type A), finished in white (RAL 9016).

EN 54-24-certified.

Code		37731
Configuration	way	1
FR transducer	inch	5
LF Transducer	inch	---
HF Transducer	inch	---
Rated Noise Power (100h)	W	12
Rated Impedance (Lo-Z / Hi-Z)	$\Omega$	-/833-1667-3333
Transformer Taps (100V)	W	12 / 6 / 3
Frequency Response (@-10dB)	Hz	100 - 20.000
EN54-24 Sensivity (1W/1m) / (1W/4m)	dB	87 / 75
Max SPL (@1m)/(@4m)	dB	98 / 86
Dispersion (-6dB@2kHz)	H° x V°	160 x 170
Materials (Cabinet / Grille)		ABS (UL94-V0) / Metal
IP Rating		IP32
Operating Temperature	°C	-25 ÷ +55
Ceiling Cut-Out	mm / inch	135 x 245 / 5.31 x 9.64
Net Dimensions (WxHxD)	mm / inch	165 x 280 x 85 / 6.49 x 11.02 x 3.34
Net Weight	Kg / Lb	2 / 4.4



## **MODULAR VOICE ALARM SYSTEMS**

**38** CONTROL UNIT

**40** AMPLIFIERS

**43** EMERGENCY POWER SUPPLY

## VAIE 2000

**Flexibility** is the defining feature of the VAIE 2000 modular system, designed for voice alarm applications and more.

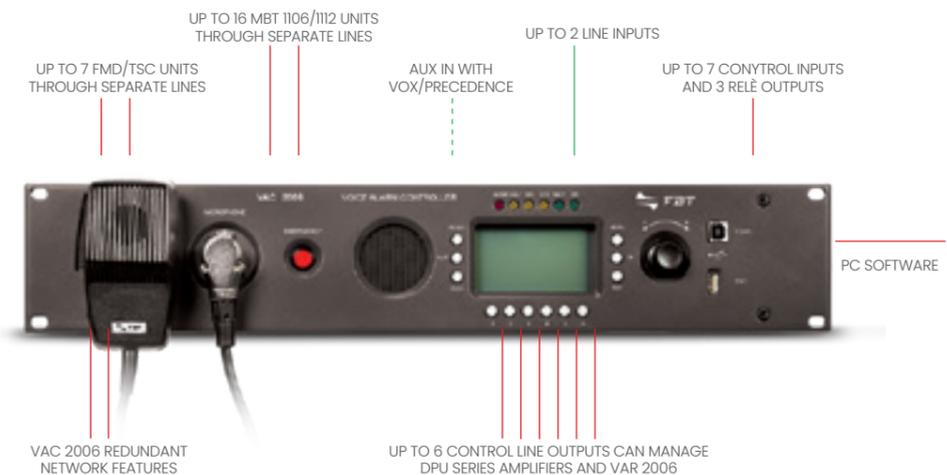
The system can handle **up to 216 voice alarm zones**, providing **up to 1000W** per speaker line. Scalable redundancy across amplifiers, speaker lines, audio networking and monitoring ensures **reliable performance in medium-to-large installations** such as sports facilities, large malls, theme parks, transport hubs and similar environments.

Suitable for installations with complex acoustics that demand maximum attention to design, with particular focus on system infrastructure, level of security and a fully customisable interface for third-party systems.

### KEY FEATURES

- Certification EN 54-16 / EN 54-4
- Ultra-compact design
- User-friendly
- Configuration and monitoring through front touch panel
- Cost-effective in small applications

- FR CAT6 shielded cable
- - - Multipair shielded cable
- Single pair shielded cable
- - - FR Multipair shielded cable
- FR 100V speaker cable



### VAC 2006

Voice evacuation system controller with six output lines for connecting VAR 2006 routers or DPU series amplifiers and four output lines for up to six VAC 2006 units.

Features include USB input, digital message reader, inbuilt firefighter microphone and in/out alarm interface. Finished in anthracite with iron mica effect with Tiger Drylac DB 703 powder coating. Standard 2U 19" rack unit.

EN 54-16-certified.

Code		37712
Control Outputs		6 x RJ45 (configurable)
Paging Input		2 x RJ45
Emergency Input		4 x RJ45
AUX Input		2 x Balanced (configurable)
Music Input		2 x RCA stereo
Remote Link		4 x RJ45
Networking Capability		Up to 6 VAC2006
Message Player		2 independent
GPIO (Control IN / OUT)		7 IN / 3 OUT Configurable
Controls		Front panel and remote
Main Power Supply	V AC	230 (50/60Hz)
Secondary Power Supply	V DC	24
Mounting		19" Rack cabinet
Net Dimensions (WxHxD)	mm / inch	482 x 88 x 220 / 18.97 x 3.46 x 8.66
Net Weight	Kg / Lb	5.4 / 11.90



### VAR 2006

Voice evacuation system router for VAC 2006. Six A/B zone management via MPA series amplifiers plus ability to configure an additional MPA amplifier as a spare. In/out alarm interface.

Finished in anthracite with iron mica effect with Tiger Drylac DB 703 powder coating. Standard 1U 19" rack unit.

EN 54-16-certified.

Code		37713
Zones		6
Speech Amplifiers		Up to 2 MPA series (not included)
Music / Spare Amplifier		1 x MPA series (not included)
Amplifier Input		3 x terminals
Output to Amplifier		2 x XLR-M
Remote Link		2 x RJ45
GPIO (Control IN / OUT)		7 IN / 8 OUT Configurable
Controls		Front panel
Main Power Supply	V AC	230 (50/60Hz)
Secondary Power Supply	V DC	24
Mounting		19" Rack cabinet
Net Dimensions (WxHxD)	mm / inch	482 x 44 x 220 / 18.97 x 1.73 x 8.66
Net Weight	Kg / Lb	3.9 / 8.70



**DPU 4250**

Four-channel 4 x 250W Class D amplifier with diagnostic card, two audio inputs and an RS485 bus on two RJ45 connections. Operating mode configuration via DIP switch. Finished in black (RAL 9005). Standard 2U 19" rack unit. EN 54-16-certified.



**DPU 1250C**

Modular 500W Class D modular amplifier with diagnostic card, two audio inputs and RS485 bus on two RJ45 connections. Operating mode configuration via DIP switch. Occupies one slot of the CHAI004 19" rack. Finished in anthracite with iron mica effect with Tiger Drylac DB 703 powder coating. EN 54-16-certified.



**DPU 1500C**

Modular 500W Class D modular amplifier with diagnostic card, two audio inputs and RS485 bus on two RJ45 connections. Operating mode configuration via DIP switch. Occupies two slots of the CHAI004 rack. Finished in anthracite with iron mica effect with Tiger Drylac DB 703 powder coating. EN 54-16-certified.



**DPU 1125C**

Modular 123W Class D amplifier with diagnostic card, two audio inputs and RS485 bus on two RJ45 connections. Operating mode configuration via DIP switch. Occupies one slot of the CHAI004 rack. Finished in anthracite with iron mica effect with Tiger Drylac DB 703 powder coating. EN 54-16-certified.



DPU 4250



DPU 1500C



DPU 1250C



DPU 1125C

		DPU 4250	DPU 1500C	DPU 1250C	DPU 1125C
Code		46315	37724	37725	37726
Channels		4	1	1	1
Amplifier Topology		Class D	Class D	Class D	Class D
Hi-Z Total Output Power	W	1000 (total managed)	500	250	125
Audio IN / OUT		8 x RJ45	2x RJ45	2x RJ45	2x RJ45
GPIO (Report Fault)		4	1	1	1
Controls		Front / Rear Panel			
Frequency Response	Hz	60 - 20.000	90 - 19.000	90 - 18.000	90 - 20.000
S/N Ratio	dB	≥ 90dB	85dB	≥ 90dB	≥ 90dB
THD + N	%	< 0.05%	< 0.05%	< 0.05%	< 0.05%
Main Power Supply	V AC	230 (50-60 Hz)	230 (50-60 Hz)	230 (50-60 Hz)	230 (50-60 Hz)
Secondary Power Supply	V DC	24	24	24	24
Power Consumption (max)	W	1310 (@230VAC)	740W (@230VAC)	410W (@230VAC)	195W (@230VAC)
Mounting		19" Rack cabinet (with CHAI004)			
Net Dimensions (WxHxD)	mm / inch	482 x 89 x 410 / 18.97 x 3.50 x 16.14	202 x 133 x 395 / 7.95 x 5.23 x 15.55	101 x 133 x 395 / 3.97 x 5.23 x 15.55	101 x 133 x 395 / 3.97 x 5.23 x 15.55
Net Weight	Kg / Lb	10.5 / 23.14	8.2 / 18.07	8.8 / 19.40	14.6 / 32.18



**CHA 1004**  
Code: 37711

4-slots 19" rack housing for DPU amplifier series. Allows to install up to two DPU1500C or four DPU1250C/DPU1125C. 19" standard rack 3 units. (+1 unit for mounting rails).



**DPU 2109**  
Code: 38991

1-slot blind panel for CHA 1004.



**ACL100-DIN**  
Code: 41064

100V/line level interface, DIN version



**ACTMRJ45-DIN**  
Code: 41065

RJ45/terminal block interface, DIN version



**MPA5480**

480W RMS power amplifier featuring one balanced input/output, one unbalanced input and one audio input for priority calling. 100V/70V/50V/8Ω output.

Option to disable the front knobs, preventing changes to levels set in emergency systems. Finished in black (RAL 9005). Standard 2U 19" rack unit. EN 54-16 certified.



**MPA5240**

240W RMS power amplifier featuring one balanced input/output, one unbalanced input and one audio input for priority calling. 100V/70V/50V/8Ω output.

Option to disable the front knobs, preventing changes to levels set in emergency systems. Finished in black (RAL 9005). Standard 2U 19" rack unit. EN 54-16 certified.

		MPA 5480	MPA 5240
Code		37491	37489
Channels		1	1
Amplifier Topology		Class AB	Class AB
Lo-Z Total Output Power	W	480	240
Hi-Z Total Output Power	W	480	240
Audio Inputs		3 (LINE / MIC / EMG)	3 (LINE / MIC / EMG)
Audio Outputs		1 (LINE)	1 (LINE)
GPIO (Precedence)		1	1
Controls		Front / Rear Panel	Front / Rear Panel
Frequency Response	Hz	20 - 20.000 (LINE IN)	20 - 20.000 (LINE IN)
S/N Ratio	dB	> 75	> 75
THD + N	%	< 1	< 1
Main Power Supply	V AC	100-240 (50/60Hz)	100-240 (50/60Hz)
Secondary Power Supply	V DC	24	24
Power Consumption (max)	W	1160 (@ 230VAC)	535 (@ 230VAC)
Mounting		19" Rack cabinet (with CHA1004)	19" Rack cabinet (with CHA1004)
Net Dimensions (WxHxD)	mm / inch	432 x 88 x 272 / 17.00 x 3.46 x 10.70	432 x 88 x 272 / 17.00 x 3.46 x 10.70
Net Weight	Kg / Lb	16 / 35.27	11.6 / 25.57



**RMK-5000**  
Code: 18016

Rack mount brackets for amplifiers MPA5000 series.



**SON 24V 12A MS150**

Emergency 24VDC power supply and battery charger (battery not included) with 12A maximum charging current.

Fully monitored for use in voice evacuation system applications. Finished in anthracite (RAL 7016). Standard 2U 19" rack unit. EN 54-16 certified.



**SON 24V 6A MS40**

Emergency 24VDC power supply and battery charger (battery not included) with 6A maximum charging current.

Fully monitored for use in voice evacuation system applications. Finished in anthracite (RAL 7016). Standard 2U 19" rack unit. EN 54-16 certified.

		SON 24V 12A MS150	SON 24V 6A MS40
Code		40235	37751
Main Load Outputs @24VDC	A	6 x 40	2 x 20
Aux Load Outputs @24VDC	A	3 x 5	3 x 5
Total Maximum Loads	A	150	40
Battery Capacity	Ah	65 to 225	24 to 110
GPIO (Report Fault)		3 x (NC/NO)	3 x (NC/NO)
Temperature Sensor		1.5 mmq. plug-in	1.5 mmq. plug-in
Indicators		3 x Leds	3 x Leds
Power Supply	V AC	230 (50 / 60Hz)	230 (50 / 60Hz)
Power Consumption (max)	W	380	190
Mounting		19" Rack cabinet	19" Rack cabinet
Net Dimensions (WxHxD)	mm / inch	483 x 88 x 399 / 19 x 3.46 x 15.70	484 x 88 x 399 / 19.05 x 3.46 x 15.70
Net Weight	Kg / Lb	5 / 11.02	3.5 / 7.71



**BP100-12**  
Code: 46063

Battery kit which include: no.1 battery 12V 100Ah; mounting kit.



## **COMPACT VOICE ALARM SYSTEMS**

- 46** VAIE 7000 SERIES
- 48** VAIE 6000 SERIES
- 50** VAIE 4000 SERIES

# VAIE 7000

Providing **up to 15.000W** of manageable power **across 90 independent zones** connected via a redundant network **covering up to 1km**, the VAIE Series 7 is the benchmark for integrated emergency voice alarm systems.

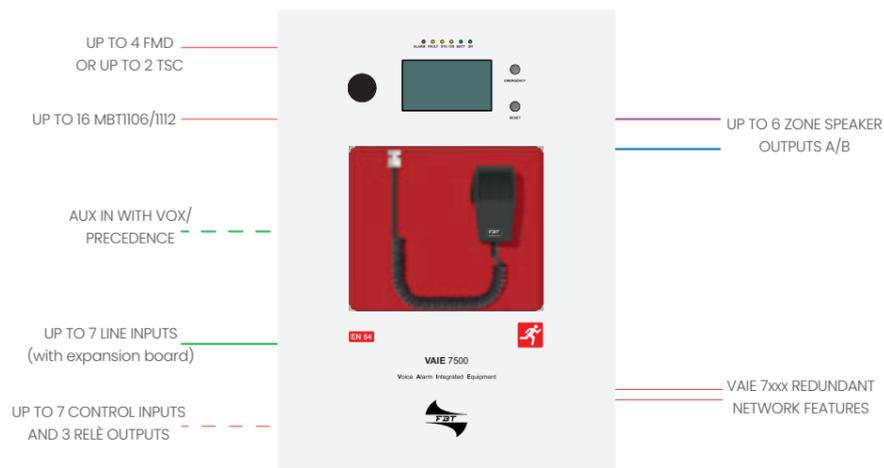
Featuring advanced networking functions, the series is idea for **medium- to large-scale applications** requiring the **management of multiple decentralised evacuation zones**, diverse emergency messaging and multiple audio sources.

**Highly flexible system architecture** optimises installation, operation and maintenance costs and times. This series can be easily configured and monitored via the **front touch-screen panel** or by **remote access**. All VAIE Series 7 models can be installed in standard 19" racks or directly on the wall.

## KEY FEATURES

- Certification EN 54-16 / EN 54-4
- Redundant networking facilities
- DSP inside
- Phase evacuation supported
- Maximize cost-benefit in medium/large applications
- IP monitoring system

- FR CAT6 shielded cable
- - - Multipair shielded cable
- Single pair shielded cable
- - - FR Multipair shielded cable
- FR 100V speaker cable



		VAIE 7M06	VAIE 7M04	VAIE 7506	VAIE 7504	VAIE 7502
Code		42610	42589	41814	41813	41812
Zones/Amplifiers		6 x A/B	4 x A/B	6 x A/B	4 x A/B	2 x A/B
Single Channel Rated Output Power	W (@ 100V)	250	250	250	250	250
Total Rated Output Power	W (@ 100V)	1000	1000	500	500	500
Paging Input		1 x RJ45				
Emergency Input		1 x RJ45				
AUX Input		2 x balanced terminal (extendable)				
Remote Link		4 x RJ45				
Networking Capability		Up to 15 VAIE 7000				
Message Player		6 Independent				
GPIO (Control IN/OUT)		7 IN / 3 OUT configurable				
Controls		Front panel & Remote				
Main Power Supply	V AC	100-240 (50Hz-60Hz)				
Secondary Power Supply	V DC	24	24	24	24	24
Mounting		Wall / 19" Rack cabinet				
Net Dimensions (WxHxD)	mm / inch	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44
Net Weight	Kg / Lb	25.7 / 56.65	25.3 / 55.77	23.6 / 52.02	22.7 / 50.04	21.6 / 41.61

	<b>ACVAIE-R6</b> Code: 46132	Rack mounting kit for VAIE 6000 and VAIE 7000 series (rack 600x600).		<b>ACVAIE-6IN</b> Code: 429448	6 line inputs expansion board for VAIE7000.
	<b>ACVAIE-R8</b> Code: 44134	Rack mounting kit for VAIE 6000 and VAIE 7000 series (rack 600x800).		<b>ACVAIE-EOL</b> Code: 46314	End Of Line for VAIE series.
	<b>ACVAIE-NET</b> Code: 46312	Network interface for VAIE 7000 series. Allows to system monitoring, message reproduction and USB audio player through web serverinterface.		<b>BP28-12</b> Code: 46061	Battery kit which includes: no.1 battery 12V 28Ah; mounting kit. VAIE 6000 and VAIE 7500.
	<b>ACVAIE-2IN</b> Code: 42947	2 line inputs expansion board for VAIE7000.		<b>BP40-12</b> Code: 46062	Battery kit which includes: no.1 battery 12V 40Ah; mounting kit. VAIE 6000, VAIE 7500 and VAIE 7M00.

# VAIE 6000

The VAIE Series 6 is one of the first **integrated voice alarm systems** introduced to the market.

This successful **all-in-one model** fully complies with audio evacuation standards, greatly simplifying installation in small-to medium-sized buildings such as schools, museums and clinics that typically require **management of a limited number of emergency zones, low power consumption**, support for both global and phased evacuation and an intuitive interface for local control of music sources.

All VAIE Series 6 models can be installed in standard 19" racks or directly on the wall.

## KEY FEATURES

- Certification EN 54-16 / EN 54-4
- Stand-alone compact design
- User-friendly
- Configuration an monitoring through front touch panel
- Cost-efficient in small/medium applications

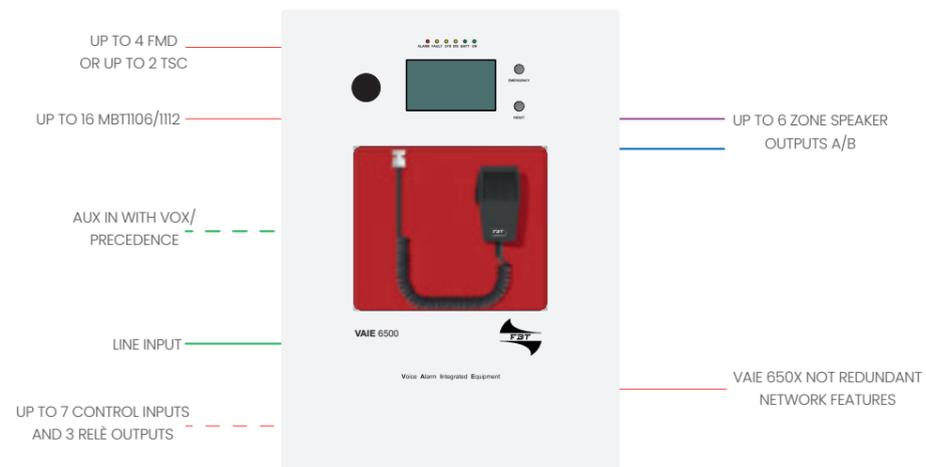
FR CAT6 shielded cable

Multipair shielded cable

Single pair shielded cable

FR Multipair shielded cable

FR 100V speaker cable



VAIE 6506



VAIE 6504



VAIE 6502

		VAIE 6506	VAIE 6504	VAIE 6502
Code		40949	40948	40644
Zones/Amplifiers		6 x A/B	4 x A/B	2 x A/B
Single Channel Rated Output Power	W (@ 100V)	250	250	250
Total Rated Output Power	W (@ 100V)	500	500	500
Paging Input		1 x RJ45	1 x RJ45	1 x RJ45
Emergency Input		1 x RJ45	1 x RJ45	1 x RJ45
AUX Input		2 x balanced termnals	2 x balanced termnals	2 x balanced termnals
Remote Link		2 x RJ45	2 x RJ45	2 x RJ45
Networking Capability		Up to 6 VAIE 6000	Up to 6 VAIE 6000	Up to 6 VAIE 6000
Message Player		2 Independent	2 Independent	2 Independent
GPIO (Control IN/OUT)		7 IN / 3 OUT configurable	7 IN / 3 OUT configurable	7 IN / 3 OUT configurable
Controls		Front panel	Front panel	Front panel
Main Power Supply	V AC	230 (50/60Hz)	230 (50/60Hz)	230 (50/60Hz)
Secondary Power Supply	V DC	24 (2 x 12V batteries not included)	24 (2 x 12V batteries not included)	24 (2 x 12V batteries not included)
Mounting		Wall / 19" Rack cabinet	Wall / 19" Rack cabinet	Wall / 19" Rack cabinet
Net Dimensions (WxHxD)	mm / inch	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44	430 x 620 x 240 / 16.92 x 24.40 x 9.44
Net Weight	Kg / Lb	23.1 / 50.92	22.5 / 49.60	21.7 / 47.84



**ACVAIE-R6**  
Code: 46132

Rack mounting kit for VAIE 6000 and VAIE 7000 series (rack 600x600).



**ACVAIE-R8**  
Code: 44134

Rack mounting kit for VAIE 6000 and VAIE 7000 series (rack 600x800).



**ACMBT-DIN**  
Code: 46313

MIC/LINE interface that allows to use BROADCASTING input FOR VAIE series



**ACVAIE-EOL**  
Code: 46314

End Of Line for VAIE series.



**BP28-12**  
Code: 46061

Battery kit which includes: no.1 battery 12V 28Ah; mounting kit. VAIE 6000 and VAIE 7500.



**BP40-12**  
Code: 46062

Battery kit which includes: no.1 battery 12V 40Ah; mounting kit. VAIE 6000, VAIE 7500 and VAIE 7M00.

# VAIE 4000

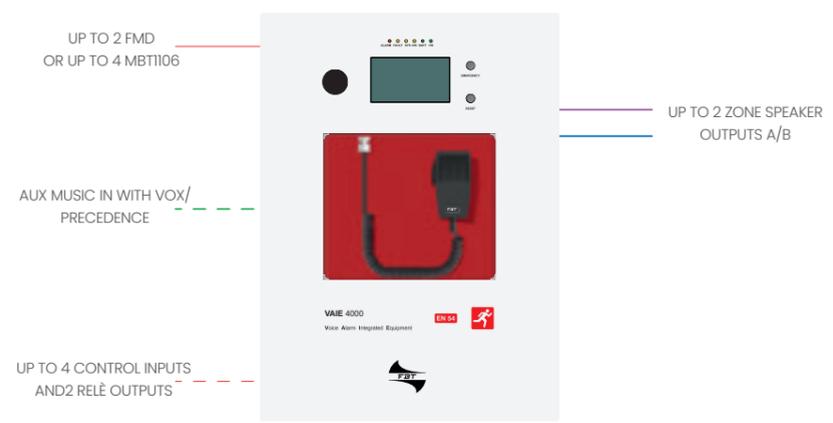
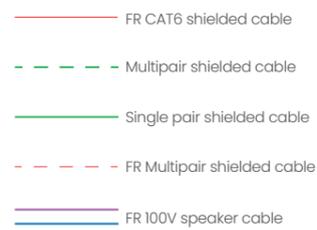
**Small and lightweight**, the VAIE 4 Series is a family of ultra-compact, standalone voice alarm systems designed for **small installations** requiring a maximum of two voice alarm zones, low power consumption and limited third-party interfacing.

Ideal for **acoustically straightforward, uniform structures** such as kindergartens and libraries, which require global evacuation in automatic mode.

All VAIE Series 4 models can be installed directly on the wall.

## KEY FEATURES

- Certification EN 54-16 / EN 54-4
- Ultra-compact design
- User-friendly
- Configuration and monitoring through front touch panel
- Cost-effective in small applications



		VAIE 4252	VAIE 4251	VAIE 4102	VAIE 4101
Code		44608	44607	44606	44605
Zones/Amplifiers		2 x A/B	1 x A/B	2 x A/B	1 x A/B
Single Channel Rated Output Power	W (@ 100V)	250	250	100	100
Total Rated Output Power	W (@ 100V)	250	250	100	100
Paging Input / Emergency Input		1 x RJ45 (configurable)			
AUX Input		1 x balanced terminal (configurable)			
Remote Link		---	---	---	---
Networking Capability		---	---	---	---
Message Player		2 Independent	2 Independent	2 Independent	2 Independent
GPIO (Control IN/OUT)		4 IN / 2 OUT configurable			
Controls		Front panel	Front panel	Front panel	Front panel
Main Power Supply	V AC	230 (50/60Hz)	230 (50/60Hz)	230 (50/60Hz)	230 (50/60Hz)
Secondary Power Supply	V DC	24 (2 x 12V batteries not included)			
Mounting		Wall mounting	Wall mounting	Wall mounting	Wall mounting
Net Dimensions (WxHxD)	mm / inch	360 x 495 x 193 / 14.17 x 19.48 x 7.59	361 x 495 x 193 / 14.21 x 19.48 x 7.59	362 x 495 x 193 / 14.25 x 19.48 x 7.59	363 x 495 x 193 / 14.17 x 19.48 x 7.59
Net Weight	Kg / Lb	10.5 / 23.14	10 / 22.04	9.7 / 21.38	9.6 / 21.16



**ACMBT-DIN**  
Code: 46313

MIC/LINE interface that allows to use BROADCASTING input (on VAIE series) to connect standard mics unit. DIN version.



**ACVAIE-EOL**  
Code: 46314

End Of Line for VAIE series.



**BP18-12**  
Code: 46060

Battery kit which includes: no.1 battery 12V 18Ah; mounting kit. VAIE 4000.



## MICROPHONE CONTROL UNITS

54 MICROPHONE CONTROL UNITS



**TSC6000-EN**

Emergency microphone console in ABS (Acrylonitrile Butadiene Styrene) featuring a 7" backlit touchscreen for zone selection, playback of prerecorded evacuation and alert messages and live microphone communication (microphone not supplied).

System status LED and integrated configuration. Finished in grey (main colour). EN 54-16-certified.

Code		40951
Zone Buttons		Up to 66 customizable
Feature Buttons		2 (emg / reset)
Frequency Response	Hz	20 - 20.000
SN/ Ratio	dB	> 60
IN / OUT Connectors		2 x RJ45
Indicators		Led / Display
Controls		Front Panel
Power Supply	V DC	24 (through cable or locally)
Consumption	mA	165
Material		Metal + ABS
Net Dimensions (WxHxD)	mm / inch	230 x 80 x 200 / 9.05 x 3.14 x 7.87 (without mic)
Net Weight	Kg / Lb	1.25 / 2.75



**FMG 2000**  
Code: 37488

Dynamic gooseneck microphone. Total length 505 mm.



**FMH 2000**  
Code: 37487

Dynamic hand-held microphone with PTT key.



**AFM 2000**  
Code: 37487

Wall-mounting cabinet for emergency microphone console TSC and FMD models.  
Net dimensions (WxHxD): 370 x 320 x 137,8 mm.



**FMD 2012**

Emergency microphone console in ABS (Acrylonitrile Butadiene Styrene) providing 12 zone selection buttons, playback of prerecorded evacuation and alert messages and live microphone communication (microphone not supplied).

System status LED. Finished in grey (main colour).

EN 54-16 certified.



**FMD 2001**

Emergency microphone console in ABS (Acrylonitrile Butadiene Styrene) providing single zone selection button, playback of prerecorded evacuation and alert messages and live microphone communication (microphone not supplied).

System status LED. Finished in grey (main colour).

EN 54-16 certified.

		FMD 2012	FMD 2001
Code		37486	37485
Zone Buttons		12	1
Feature Buttons		6 ( emg , alert, evac, reset , ptt, aux )	6 ( emg , alert, evac, reset , ptt, aux )
Frequency Response	Hz	20 - 19.000	20 - 19.000
SN/ Ratio	dB	> 60	> 60
IN / OUT Connectors		2 x RJ45	2 x RJ45
Indicators		Leds	Leds
Controls		Front Panel	Front Panel
Power Supply	V DC	24 (through cable or locally)	24 (through cable or locally)
Consumption	mA	130	60
Material		Metal + ABS	Metal + ABS
Net Dimensions (WxHxD)	mm / inch	230 x 80 x 200 / 9.05 x 3.14 x 7.87 (without mic)	140 x 80 x 200 / 5.51 x 3.14 x 7.87 (without mic)
Net Weight	Kg / Lb	1.25 / 2.75	0.83 / 1.82



**MBT 1112**

Broadcast microphone console in ABS (Acrylonitrile Butadiene Styrene) with a single zone selection button for live communication via the integrated 350mm gooseneck microphone.

System status LED. To be used with ACMBT-DIN board (code 46313). Finished in grey (main colour).



**MBT 1106**

Broadcasting microphone console in ABS (Acrylonitrile Butadiene Styrene) with six zone selection buttons for live communication via the integrated 350mm gooseneck microphone.

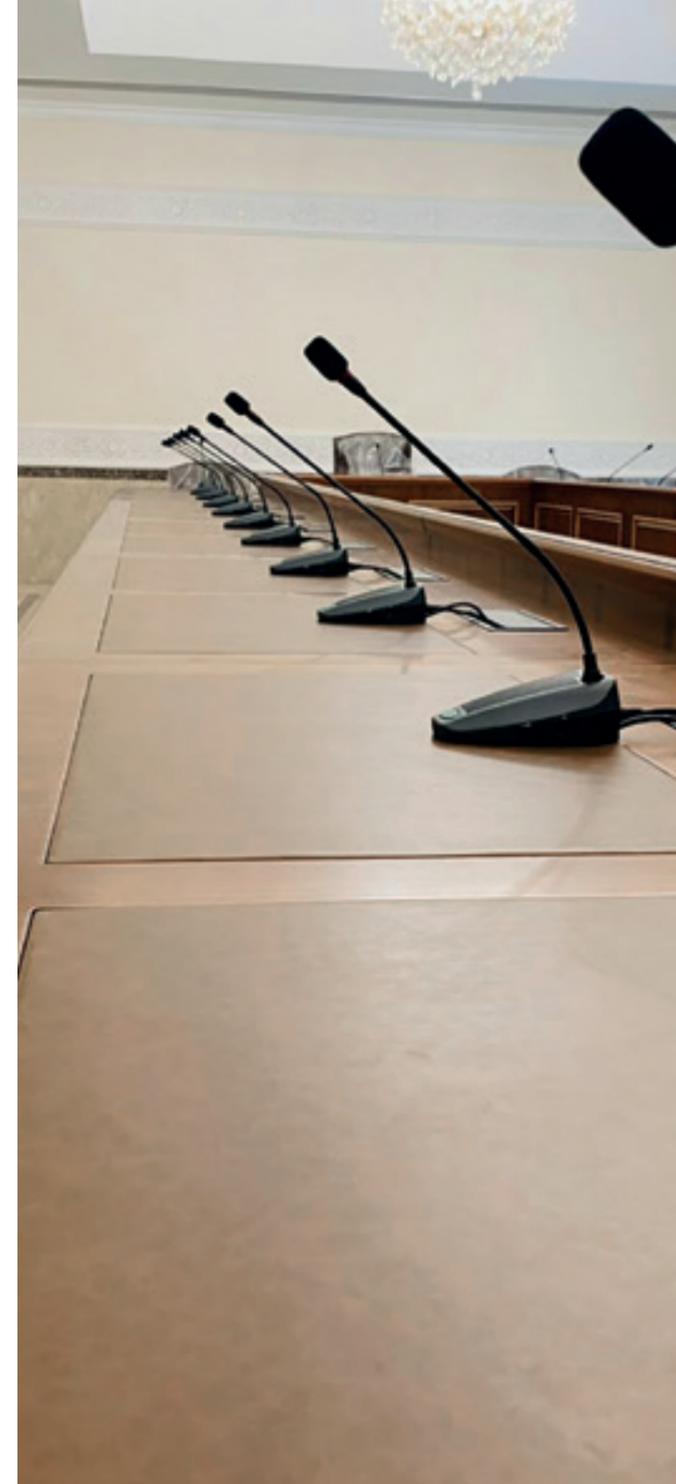
System status LED. Finished in grey (main colour).



**MBT1112E**

Extension module for MBT 1112, adding 12 buttons. Finished in grey (main colour).

		MBT 1112	MBT 1106	MBT 1112E
Code		37493	37492	37494
Zone Buttons		12	6	12
Feature Buttons		3 (all, ptt, lock)	3 (all, ptt, lock)	1 (all)
Frequency Response	Hz	100 - 14.000	100 - 14.000	100 - 14.000
SN/ Ratio	dB	---	---	---
IN / OUT Connectors		2 x RJ45	2 x RJ45	By Terminal
Indicators		Leds	Leds	Leds
Controls		Front Panel	Leds	Leds
Power Supply	Vdc	18 - 36 (through cable or locally)	18 - 36 ( through cable or locally )	---
Consumption	mA	22	16	20
Material		ABS	ABS	ABS
Net Dimensions (WxHxD)	mm / inch	116 x 60 x 200 / 4.56 x 2.36 x 7.87 (without mic)	116 x 60 x 200 / 4.56 x 2.36 x 7.87 (without mic)	116 x 60 x 200 / 4.56 x 2.36 x 7.87 (without mic)
Net Weight	Kg / Lb	0.65 / 1.43	0.65 / 1.43	0.55 / 1.21



**MBT 1101**

Broadcast microphone console in ABS (Acrylonitrile Butadiene Styrene) with a single zone selection button for live communication via the integrated 350mm gooseneck microphone. System status LED.

To be used with ACMBT-DIN board (code 46313). Finished in grey (main colour).

Code		37739
Zone Buttons		---
Feature Buttons		2 (ptt , lock)
Frequency Response	Hz	100 - 15.000
SN/ Ratio	dB	---
IN / OUT Connectors		2 x RJ45
Indicators		Leds
Controls		Front Panel
Power Supply	Vdc	12 - 24 (through cable or locally)
Consumption	mA	45 - 60
Material		ABS
Net Dimensions (WxHxD)	mm / inch	116 x 60 x 200 / 4.56 x 2.36 x 7.87 (without mic)
Net Weight	Kg / Lb	0.6 / 1.32

## RACK SYSTEMS

The new floor-standing rack series is specifically designed to house all types of **19" equipment** for audio system applications. These racks are engineered to ensure a sturdiness that can support the weight of a cabinet fully loaded with professional audio devices.

The series consists of **three models** of rack cabinets for **15, 27 and 42 units**, providing options for different storage needs. Additionally, there are many accessories available to cater to various applications.

**Lockable sides** provide convenience for wire management, ensuring that all cables are organised and protected within the rack cabinet.

Constructed from a cold rolled steel frame finished in a sleek black powder coating, the rack series is **solid, durable** and **elegant** in design. The tempered glass door adds a touch of style to the overall appearance of the racks. This series of floor-standing racks offers a reliable, professional solution for housing audio equipment, with a focus on functionality and aesthetics.



### RC 4268

19" 42U floor-standing rack cabinet including front and rear doors, side panels, four wheels and four levelling feet. Finished in black (RAL 9004).

Code		45752
Material		Steel
Static Load	Kg	1000
Dimensions (WxHxD)	mm	600 x 2055 x 800
Weight	Kg	105



### RC 2768

19" 27U floor-standing rack cabinet including front and rear doors, side panels, four wheels and four levelling feet. Finished in black (RAL 9004).

Code		45751
Material		Steel
Static Load	Kg	1000
Dimensioni (WxHxD)	mm	600 x 1388 x 800
Weight	Kg	70



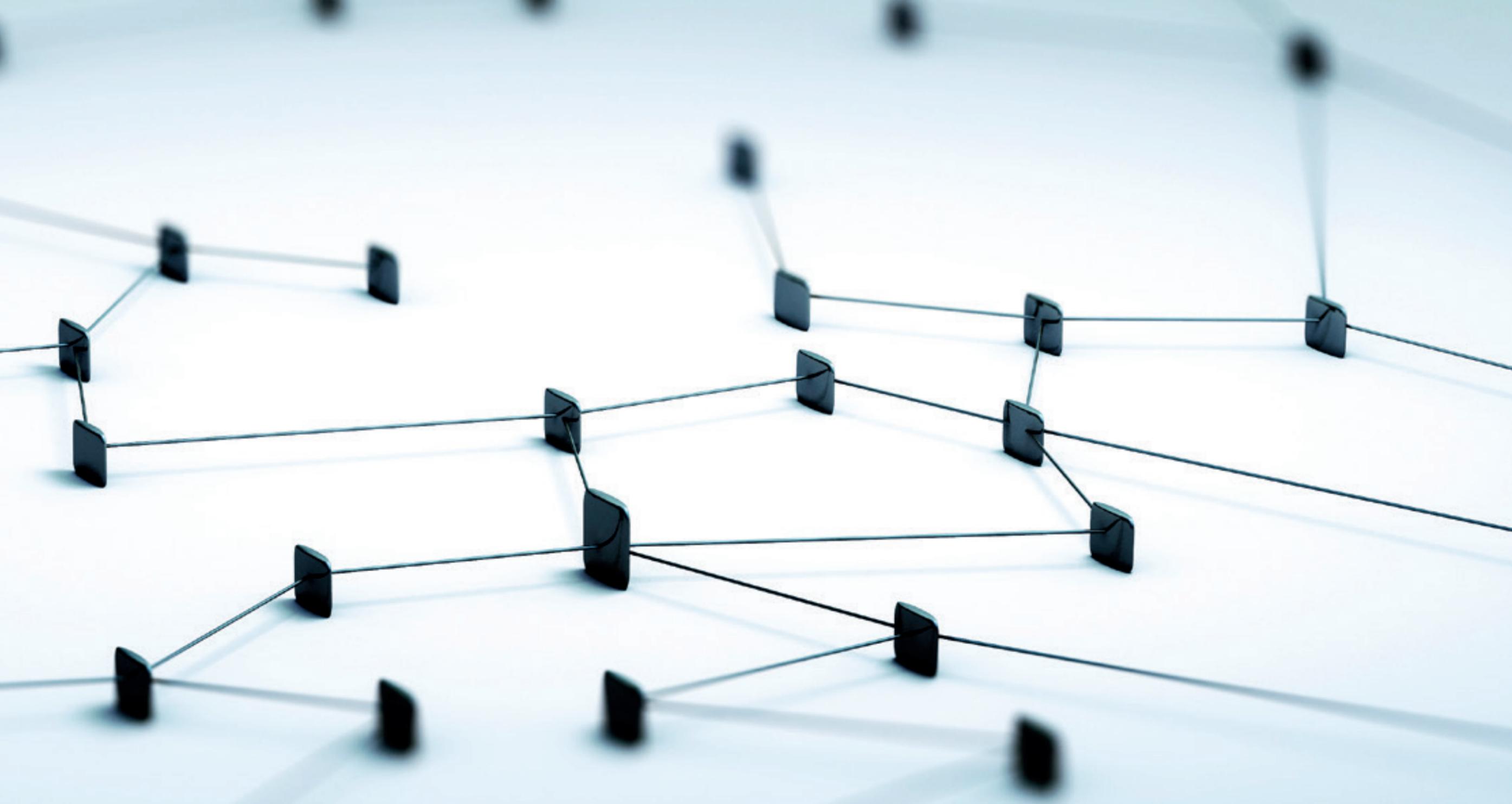
### RC 1566

19" 15U floor-standing rack cabinet including front and rear doors, side panels, four wheels and four levelling feet. Finished in black (RAL 9004).

Code		45749
Material		Steel
Static Load	Kg	1000
Dimensioni (WxHxD)	mm	600 x 855 x 600
Weight	Kg	44

	<b>RMD4</b> Code: 45753	Rack mounting drawer with lock. 4U. Color black RAL9004.		<b>RCMIHP</b> Code: 45766	Rack cable management panel. For horizontal wiring with plastic rings. 1U. Color black RAL9004.
	<b>RFS600</b> Code: 45754	Rack Fixed shelf 485x350 mm for RACK cabinet 600x600 mm.		<b>RCMIV</b> Code: 45767	Rack Cable management, vertical type. 1U. Color black RAL9004.
	<b>RFS800</b> Code: 45755	Rack Fixed shelf 485x350 mm for RACK cabinet 600x800 mm.		<b>RMP4</b> Code: 45777	Rack Mounting panel with DIN rail. 4U. Color black RAL9004.
	<b>RSS800</b> Code: 45756	Rack Sliding shelf 420x550 mm for RACK cabinet 600x800 mm.		<b>RCUI</b> Code: 45768	Rack Cooling unit. 4-fans with thermostat. 1U. Color black RAL9004.
	<b>RMR600</b> Code: 45757	Rack mounting rails dedicated to RACK cabinets 600x600 mm.		<b>RPDI</b> Code: 45768	Rack Power distribution unit 230VAC, 8 sockets/type F total load 3500W. 1U. Color black RAL9004.
	<b>RMR800</b> Code: 45758	Rack mounting rails dedicated to RACK cabinets 600x800 mm.		<b>RBK800</b> Code: 45770	Rack plinth kit, 100 mm height for floor standing cabinets 600x800 mm. Color black RAL9004.
	<b>RBP1</b> Code: 45759	Rack Blank panel 1U. Color black RAL9004.		<b>RWK1</b> Code: 45771	Rack wheel kit, 2" without brake. Load 150Kg.
	<b>RBP2</b> Code: 45760	Rack Blank panel 2U. Color black RAL9004.		<b>RWK1B</b> Code: 45772	Rack wheel kit, 2" with brake. Load 150Kg.
	<b>RBP3</b> Code: 45760	Rack Blank panel 3U. Color black RAL9004.		<b>RLF1</b> Code: 45773	Rack levelling foot. Load 320Kg.
	<b>RBP4</b> Code: 45761	Rack Blank panel 4U. Color black RAL9004.		<b>RRL1</b> Code: 45774	Rack round lock kit for front and rear door with two keys.
	<b>RBPIT</b> Code: 45763	Rack Brush panel to be mounting in the top panel. Color black RAL9004.		<b>RRL1S</b> Code: 45775	Rack round lock kit for side panels with two keys.
	<b>RBP1F</b> Code: 45764	Rack Brush panel, front mounting type. 1U. Color black RAL9004.		<b>RLK1</b> Code: 45776	Rack lock kit for front door with two keys.
	<b>RCMIH</b> Code: 45765	Rack cable management panel. For horizontal wiring. 1U. Color black RAL9004.			





## **AUDIO SOLUTIONS**

The following audio solutions guide is designed as a comprehensive resource for professionals across various sectors who are seeking to enhance their auditory communication systems.

- 64 STAND-ALONE SINGLE ZONE SYSTEM**
- 66 STAND-ALONE MULTI ZONE SYSTEM**
- 68 SCALABLE INTEGRATED SYSTEMS**
- 70 CUSTOM SOLUTIONS**

# STAND-ALONE SINGLE ZONE SYSTEM

A family of compact systems suitable for smaller facilities that typically have a single evacuation zone, with or without a backup amplifier and with limited power requirements.

## APPLICATION AREAS

- Acoustically simple areas
- Global evacuation
- Simple and quick installation/use and maintenance

## STRUCTURES

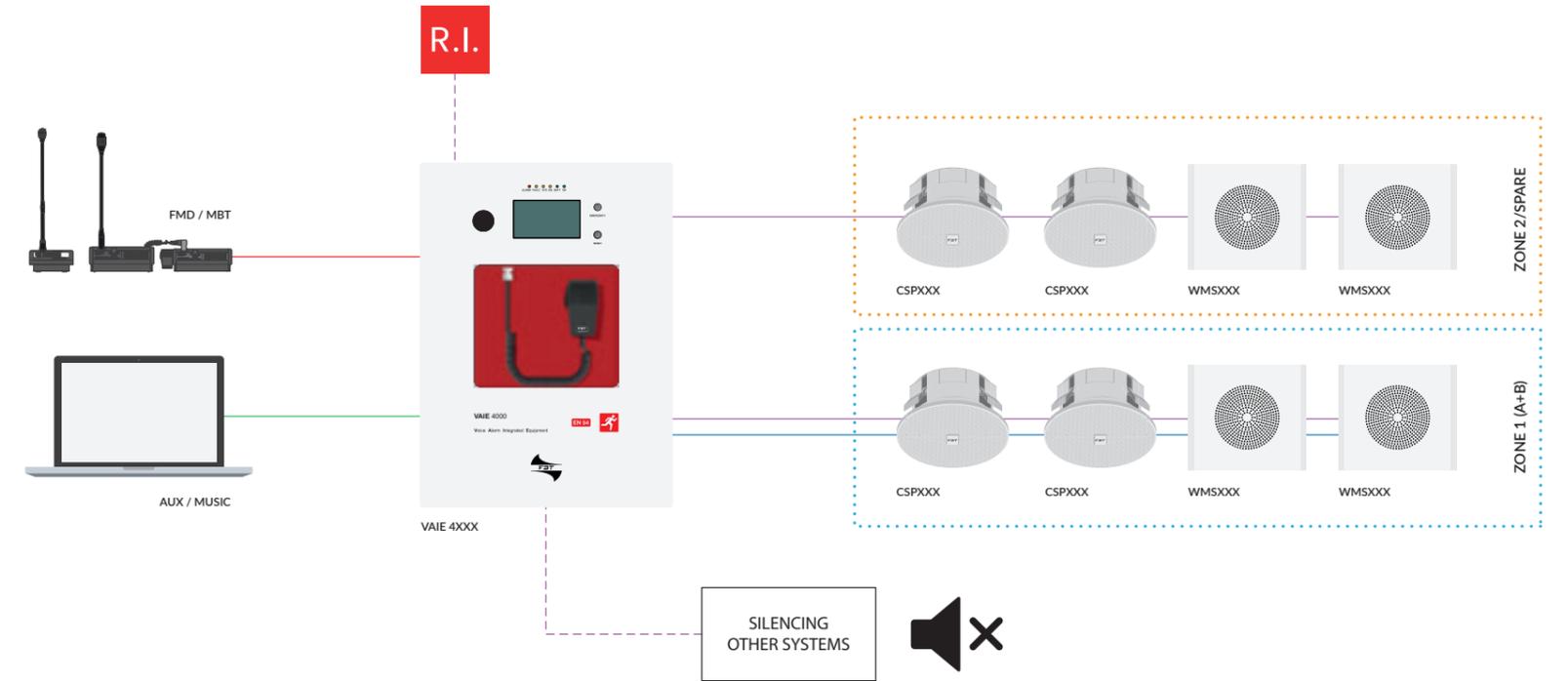
- Nursery schools
- Libraries
- Museums

## LIMITATIONS OF USE

- No. of Zones (amplifiers): up to 2 (A + B)
- Total Power: up to 250 W
- Audio In: 1 AUX or music input
- GPIO: 4 IN / 2 OUT
- Paging: 1x RJ45 (2x FMD or 4x MBT)
- Message Player: up to 2

## PRODUCTS

- CSPxxx
- WSPxxx
- WMSxxxx
- SOPxxxx



# STAND-ALONE MULTI ZONE SYSTEM

A family of compact systems designed for small-to-medium-sized facilities that typically have more than one evacuation zone, with or without a backup amplifier and limited power requirements.

### APPLICATION AREAS

- Acoustically Non-Homogeneous Areas
- Global/Phased Evacuation
- Optimized Installation
- Simplified Operation and Maintenance Procedures

### STRUCTURES

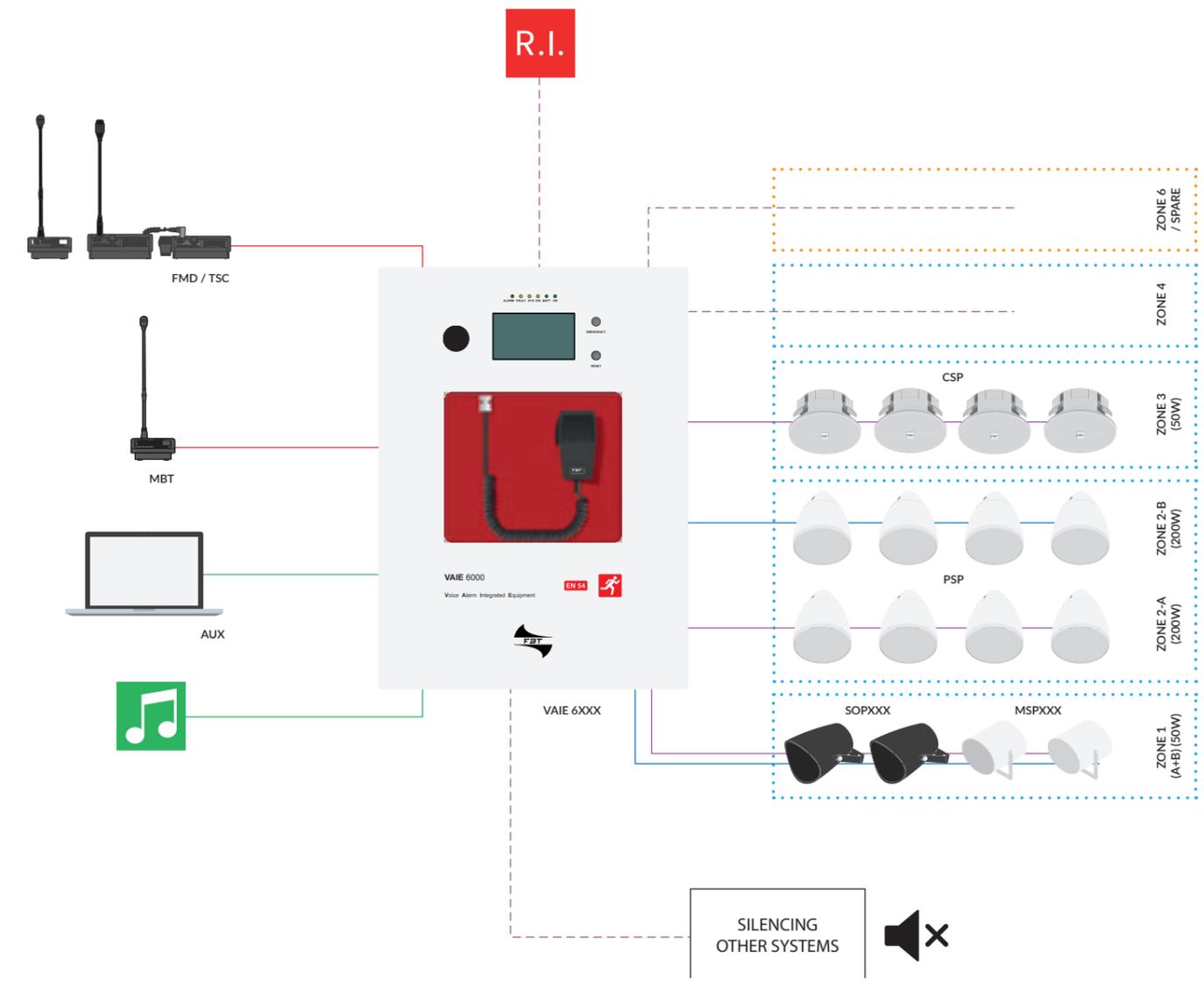
- Educational Institutions
- Offices
- Warehouse
- Supermarkets
- Nightclubs
- Clinics

### LIMITATIONS OF USE

- No. of Zones (Amplifiers): up to 6 (A+B)
- Total Power: up to 500 W (max 250 W per zone)
- Audio Inputs: 1 AUX + 1 Music
- GPIO: 7 IN / 3 OUT
- Paging: 2x RJ45 (4x FMD/TSC(2) – 16x MBT)
- Message Player: up to 2

### PRODUCTS

- VAIE6xxx
- CSPxxx
- WMSxxx
- SOPxxx
- MSP
- MHO
- MSH
- PSP



# SCALABLE INTEGRATED SYSTEMS

A family of scalable compact systems designed for medium-to-large facilities spanning multiple buildings. These systems are designed to manage numerous evacuation zones and diverse emergency messaging, handle multiple audio sources and support a highly flexible system architecture.

## APPLICATION AREAS

- Acoustically Medium-Complexity Areas
- Phased Evacuation
- Flexible System Architecture
- Monitoring via IP Network

## STRUCTURES

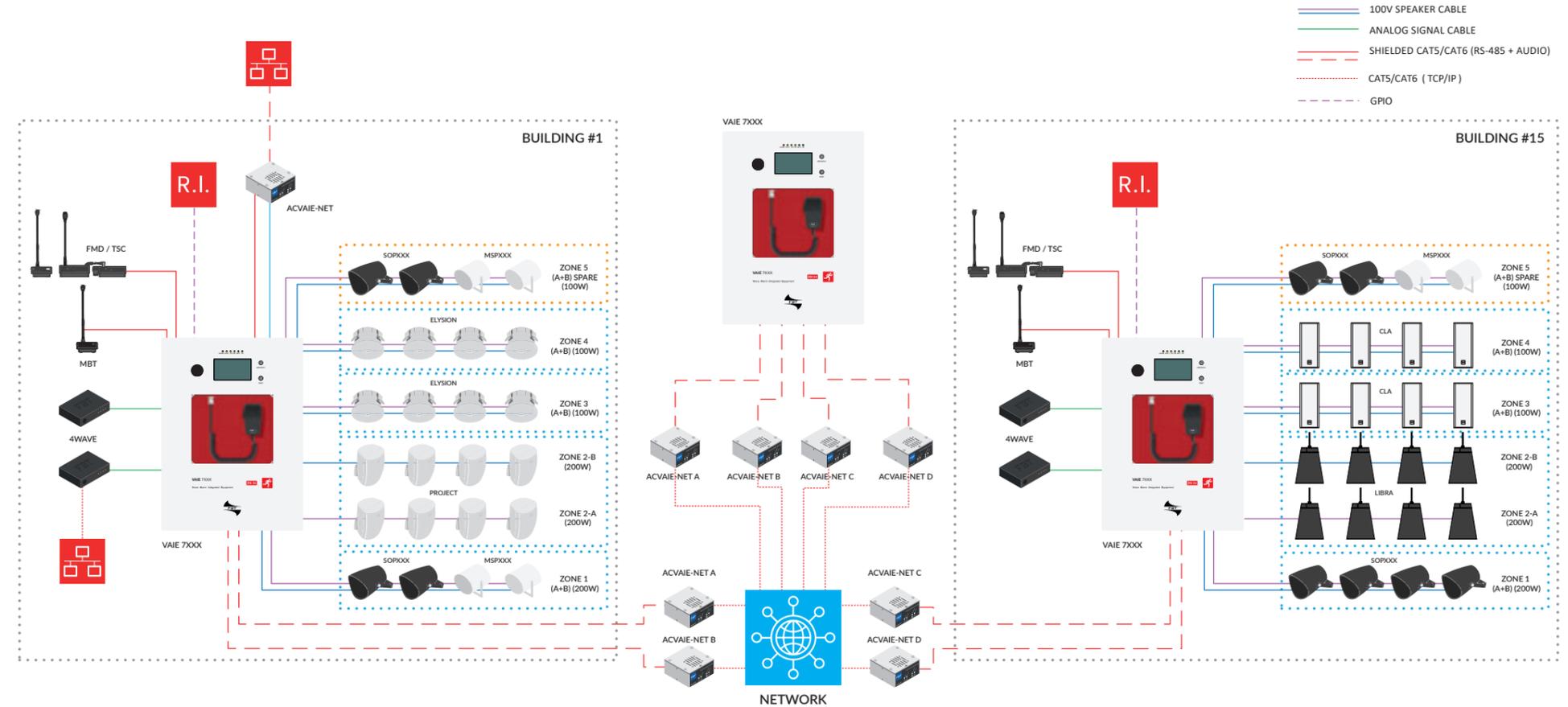
- University campuses
- Hospital facilities
- Shopping centers

## LIMITATION OF USE

- Nr. Zone (amplificatori): fino a 90 (A+B)
- No. of Zones (Amplifiers): up to 90 (A+B)
- Total Power: up to 15,000 W (max 250 W per amplifier)
- Audio Inputs: 1 AUX + 1 Music + 6 EXT (each VAIE7xxx)
- GPIO: 7 IN / 3 OUT (each VAIE7xxx)
- Paging: 2x RJ45 (4x FMD/TSC(2) – 16x MBT each VAIE7xxx)
- Message Player: up to 6

## PRODUCTS

- VAIE7xxx
- CSPxxx
- ELYSIONxxx
- LIBRAxxxx
- PROJECTxxx
- MSH
- PSP



# CUSTOM SOLUTIONS

A family of modular systems designed for large-scale facilities requiring high power handling on a single line, offering customised solutions tailored to complex evacuation strategies and flexible day-to-day management.

## APPLICATION AREAS

- Areas with high acoustic complexity
- Phased evacuation
- Scalable redundancy
- Customizable system architecture
- Integration with other audio devices

## STRUCTURES

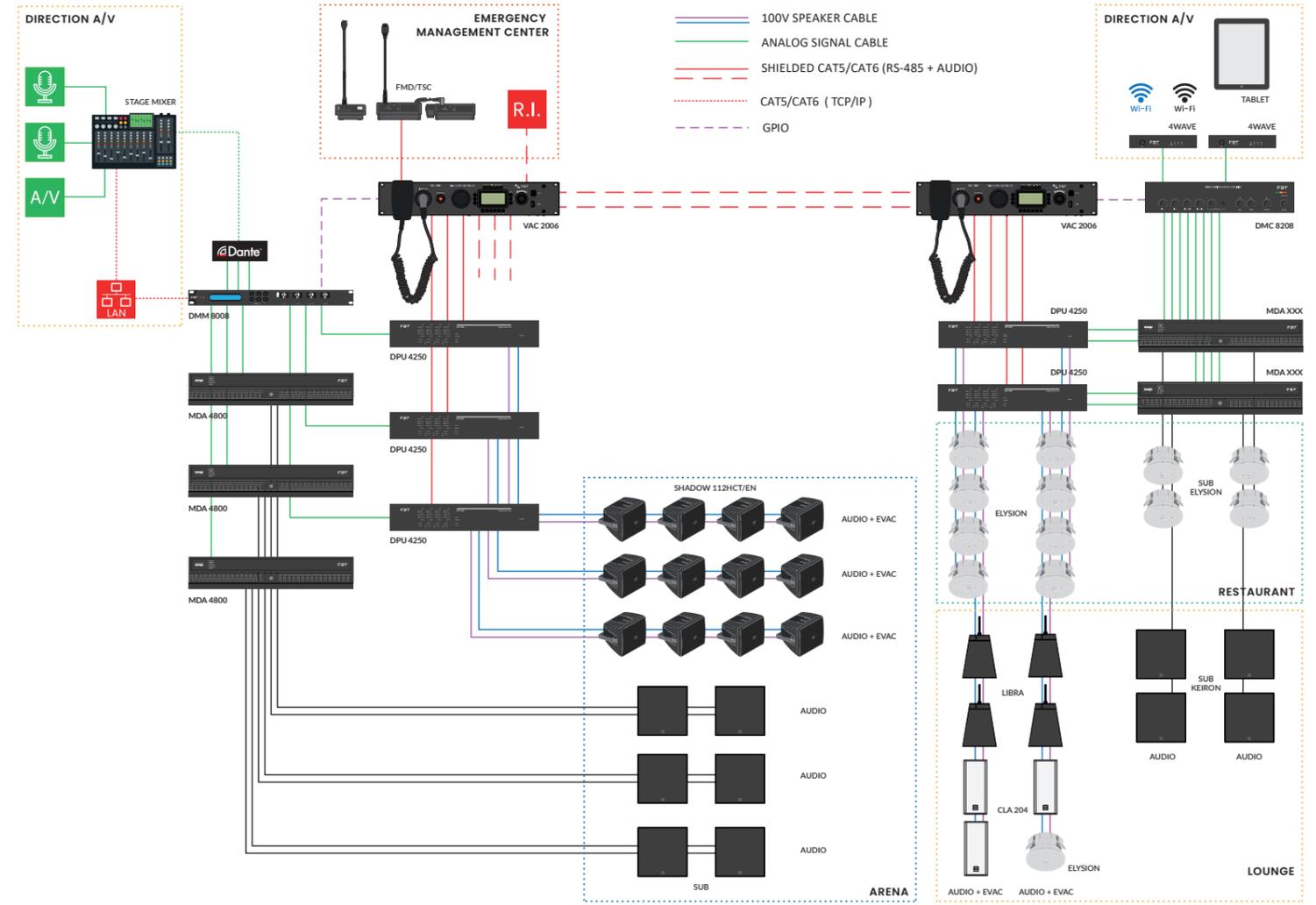
- Sports complexes
- Multifunctional facilities
- Transport hubs

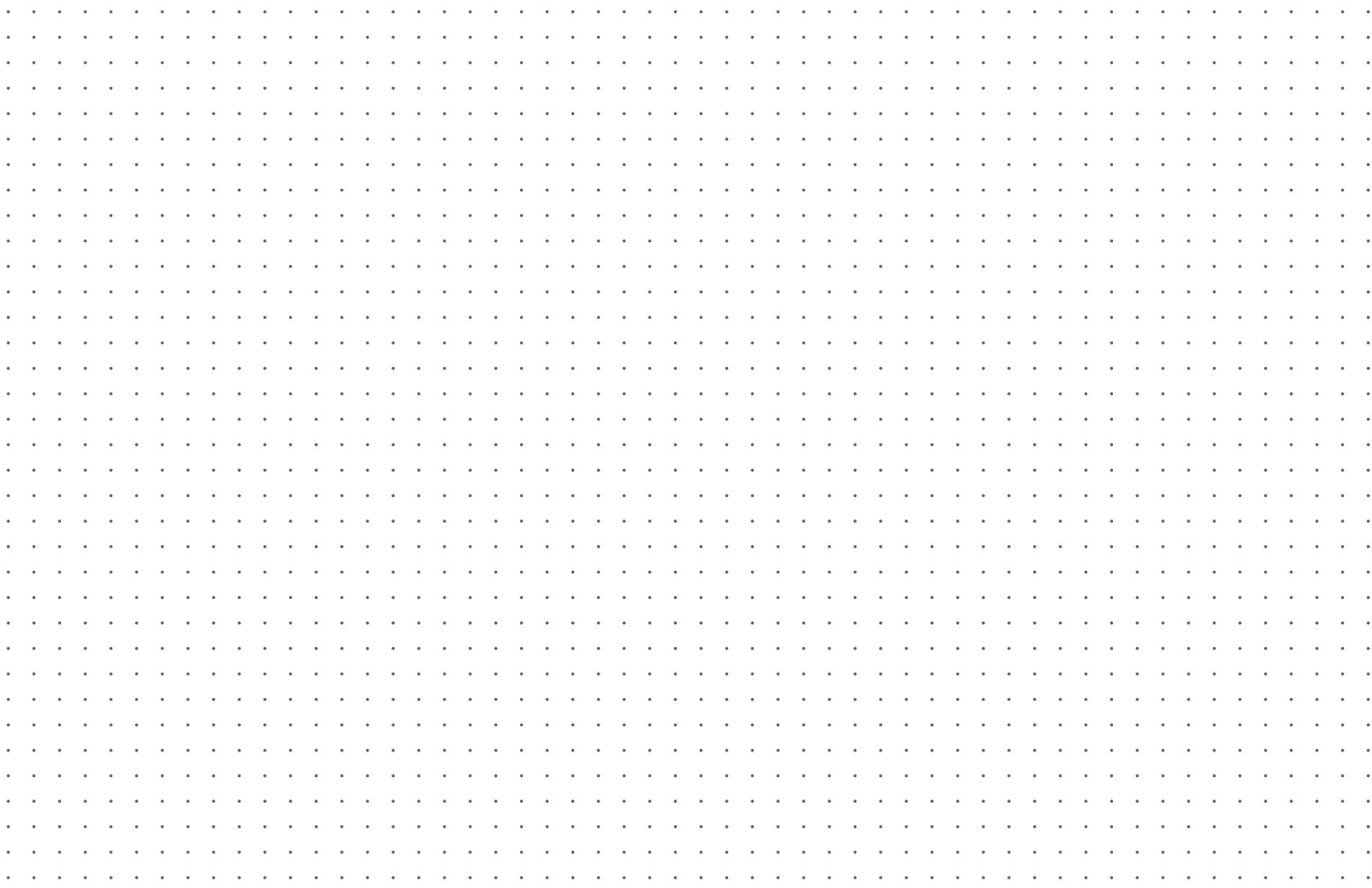
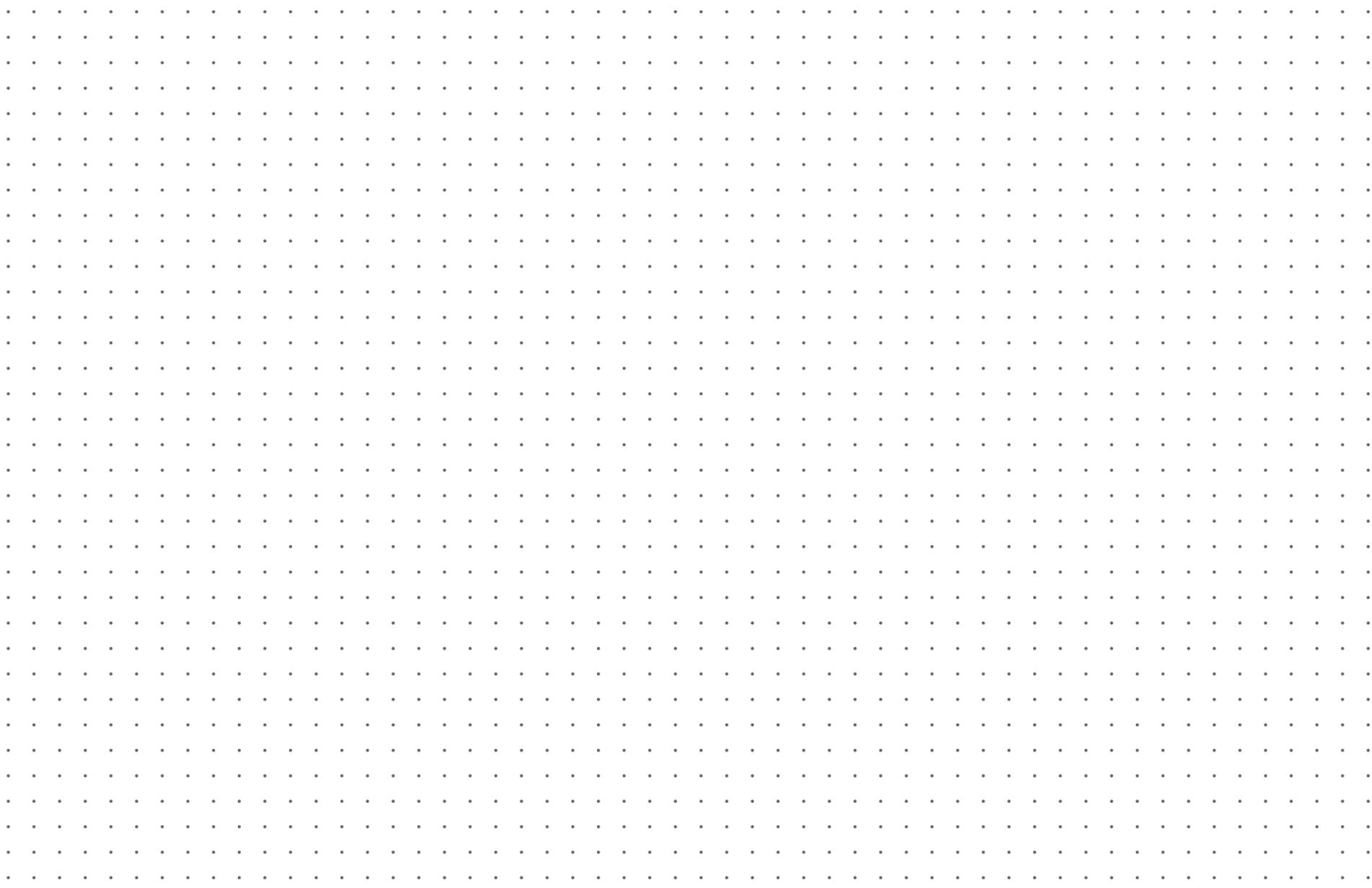
## LIMITATIONS OF USE

- No. of Zones (Amplifiers): up to 216 (flexible)
- Total Power: --- (max 1000 W per amplifier)
- Audio Inputs: dedicated audio for each AMP
- GPIO: 7 IN / 3 OUT (each VAC)
- Paging: 5x RJ45 (7x FMD/TSC – 16x MBT each VAC)
- Message Player: up to 2 (each VAC)

## PRODUCTS

- VACxxx
- DPU4225
- SHADOW
- CLA604
- CLA803
- PSP







**FBT.IT**



**FBT ELETTRONICA SPA**

Via Paolo Soprani, 1 - 62019, Recanati (MC), Italy

Tel. +39 071 750591

info@fbt.it - www.fbt.it

FBT strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.

All data presented in this catalogue represents the basic performance specifications for each model. For a detailed analysis of specifications please check the technical documentation of the products available at [www.fbt.it](http://www.fbt.it).

The "Audio Solutions" section gives examples of how FBT products can be combined to offer complete systems for a wide range of applications and should be considered as a general guide for reaching the standard performance required in each scenario. Each venue design must be approached individually to address the performance requirements. Please contact the FBT design department for support.

**CATALOGO VAS**  
**Ver. 1.1(01/2026)**



**FBT**

VOICE ALARM  
SYSTEMS  
CATALOGUE 2026/2027