

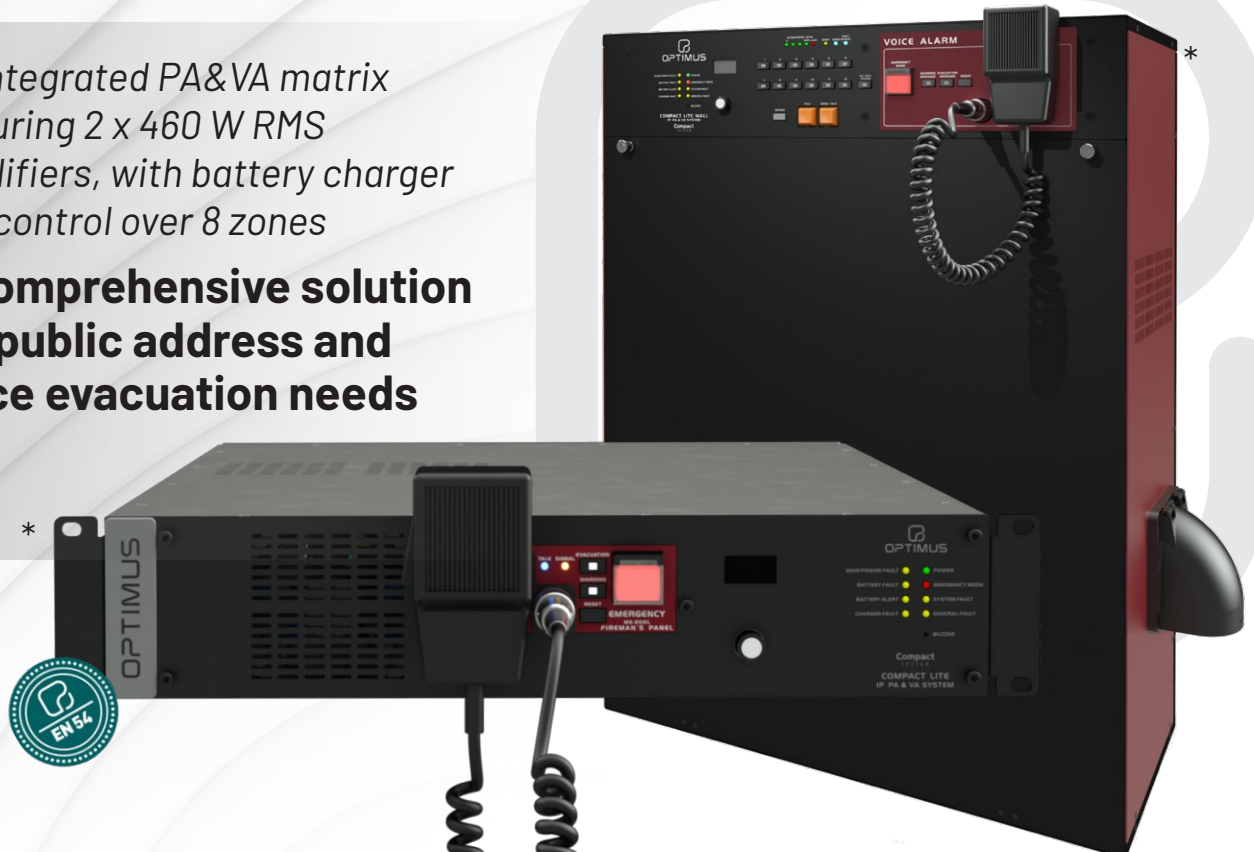
Compact LITE

Compact⁺
SYSTEM

PUBLIC ADDRESS AND VOICE ALARM

*An integrated PA&VA matrix
featuring 2 x 460 W RMS
amplifiers, with battery charger
and control over 8 zones*

**A comprehensive solution
for public address and
voice evacuation needs**



- COMPACT LITE is a highly advanced public address and voice evacuation system that seamlessly integrates cutting-edge technology with versatility. It features a built-in battery charger for uninterrupted operation, allowing users to deliver live voice messages and play pre-recorded announcements and music.
- Each COMPACT LITE unit can control up to 8 loudspeaker zones, with a PA&VA matrix with redundant Ethernet connectivity for enhanced system reliability. It features four priority-controlled analogue audio inputs and supports the decoding of up to two simultaneous IP audio streams, with audio routing to two independent output channels operating simultaneously. The system's core includes 12 configurable input contacts, 6 output contacts, and two powerful class D amplifiers delivering 460W RMS for music/backup and announcements.
- Supporting 8 subzones with relay-controlled activation, COMPACT LITE provides precise control over external volume attenuators and offers extensive surveillance capabilities, monitoring loudspeaker lines, amplifiers, input contacts, and pre-recorded messages to meet EN54 requirements. The system has 15 MB of internal storage, expandable via µSD card, for pre-recorded messages.
- With three battery configurations (internal, external, or none), CAN bus communication for peripherals, and external system integration via VoIP and direct protocols like JSON or API/DLL, COMPACT LITE ensures flexibility. Control and monitoring are streamlined through software, TELNET, SSH functions, SNMP, and a dedicated mobile APP.

In wall-mount or 19" rack (2U) format, COMPACT LITE is the all-in-one public address and voice alarm solution offering maximum reliability, flexibility, and cutting-edge technology.

* COMPACT LITE and COMPACT LITE WALL images are subject to change. Front microphone panels sold separately.

Compact LITE

COMPACT LITE

Audio matrix 2 x 460 W RMS 8 zones. Rack



Public Address and Voice Evacuation System for controlling up to 8 zones of speakers, with control over external attenuators, featuring a matrix of 4 analog audio inputs, 12 configurable input contacts, 6 output contacts, and two powerful Class D amplifiers providing 460 W RMS for music/backup and announcements. The system offers extensive monitoring capabilities for speaker lines, amplifiers, input contacts, and pre-recorded messages to meet EN54 requirements.

It has 15 MB of internal storage, expandable via µSD card, battery charger/manager for both internal LFP batteries in the device and external lead-acid batteries, redundant Ethernet connection, 2 IP input channels, and CAN bus communication for microphone consoles and noise sensors. It can operate autonomously or as an additional unit within a COMPACT system. Furthermore, it seamlessly integrates with external systems via VoIP and direct protocols such as JSON or API/DLL. Control and monitoring are optimized through software, TELNET, SSH functions, SNMP, and a dedicated mobile application.

Power supply	100 ~ 240 V AC
Consumption	Stand-by: 20W; Full load: 550 W / 1050 W (Dual mode)
Frequency response	100 ~ 18,000Hz
Signal-to-noise ratio	> 75 dB
Ethernet communication	2 Ethernet connections (RJ45) A and B for installations with redundancy. IP Layer 3 & Layer 4 Network.
CAN bus	Communication speed 33.3 kbit/s.
VoIP	RFC3261 SIP protocol. G711 (PCMA and PCMU), G722 and L16 encoding.
Amplifiers (class D)	2 x 460 W RMS* (music/backup and messages) 2 x 500 W (Music Power/Peak Power)
Speaker line outputs	8 x 100 V. Maximum total power 460 W.
Audio inputs	4 software-configurable sensitivity inputs (-20 dB / 0 dB).
Input contacts	12 input contacts. NC/NO configurable. Supervised. Activation pulse detection time configurable through software
Output contacts	6 output contacts. NC/NO configurable. 1 FAIL relay. Max. DC charging current: 150 mA. Max. DC or peak AC charging voltage: 350 V.
Battery charger	Integrated, 1.5 amps
Finishes	Iron and aluminium, painted black RAL9005.
Dimensions (mm)	482.6 (width) x 88.6 (height) x 430 (depth)
19" rack units	2
Weight (without battery)	10 kg

*** The 460 W are measured by emitting a 1KHz tone for more than 1 hour, constantly and without interruptions.**

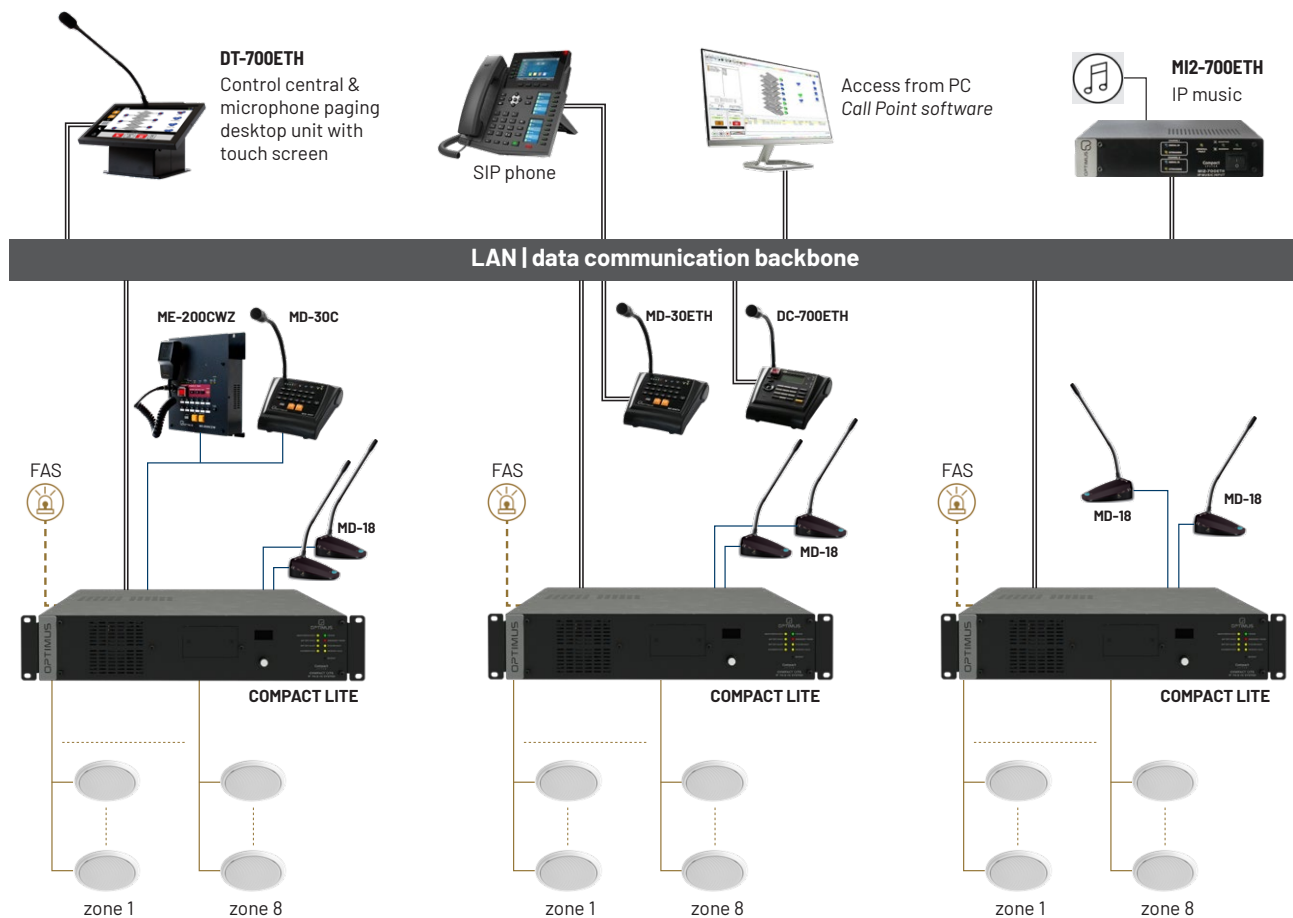
The RMS value is the only one that allows for accurate determination of how many speakers can be connected to an amplifier operating at maximum power and continuously. This calculation is not possible with other types of power ratings (burst, EN 54, musical, program, PMPO, peak...), some of which are much higher and refer to maximum values for very short periods of time before speaker failure or amplifier limitation.

Compact LITE WALL

COMPACT LITE WALL

Audio matrix 2 x 460 W RMS 8 zones. Wall

The COMPACT LITE stands out for its installation flexibility, adapting perfectly to both 19" racks and wall mounting via a robust metal cabinet. This solution can be optionally completed with an emergency handheld microphone and a 12-zone keypad, allowing the entire public address and voice alarm system to be managed from a single, centralized control point.



Security



Paging



Information



Communication



Music

EDUCATION

The public address system in an educational center ensures the clear transmission of announcements to teachers, students, and visitors. It allows for general announcements, automated class changes, background music, and critical information in emergencies. Messages are directed to specific areas, avoiding unnecessary interruptions in classrooms and keeping students focused on learning.



HEALTH

Clinics, nursing homes, and small hospitals need reliable systems for alerts and emergencies. Beyond the mandatory public address system for fire evacuations, these environments require rapid location of healthcare staff, clear information for visitors, and local announcements in consultation rooms.



TRANSPORT

Public address systems in train stations go beyond background music in lobbies and common areas: they are crucial for announcing arrivals, departures, and emergencies. The complex acoustics of the platforms demand systems designed with precise studies and simulations that define the type of speakers, their location and power, as well as the necessary audio processing.



INDUSTRY

In industrial settings, public address systems are essential for voice alarms that ensure orderly evacuations, shift change announcements, background music in offices, general or zoned announcements, and rapid personnel location. Many sound systems operate outdoors and under demanding conditions, requiring high sound pressure levels, ATEX certifications, and high IP protection ratings.



Security



Paging



Information



Communication



Music

APPLICATIONS

COMMERCE

In supermarkets and retail stores, public address systems provide information to customers and employees, promote products, broadcast clear alerts, and enhance the experience with background music. Sales floors with high ceilings require loudspeakers with wide dispersion and high sound pressure levels. The system also covers exterior areas, parking lots, and loading zones, managing zoned messages as needed.



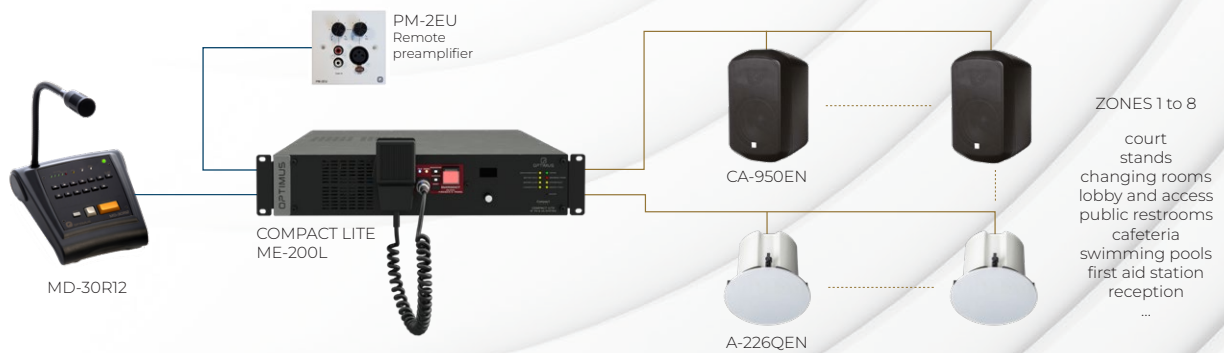
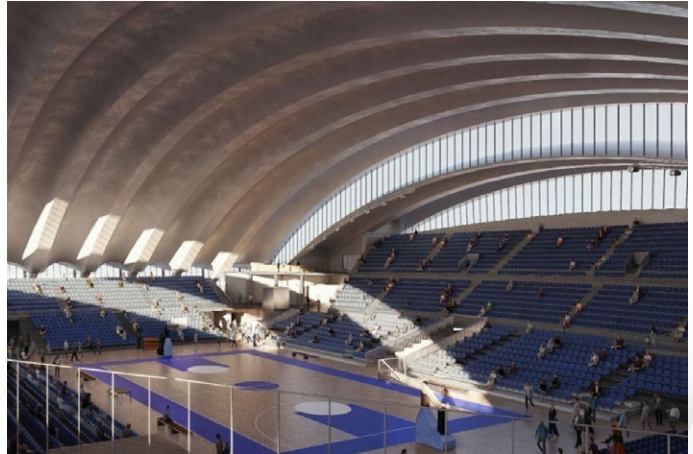
HOTELS

Hotel sound systems offer distinct experiences: music and announcements in lobbies, hallways, bars, and restaurants; matrix systems for auditoriums and meeting rooms; dedicated audio for spas, gyms, and pools; and personalized sound in guest rooms. All integrated with the mandatory voice alarm public address system.



SPORTS

In sports venues, public address systems ensure safety and enhance the spectator experience. They clearly transmit emergency messages, guarantee orderly evacuations, and engage the audience with music and announcements. Their power and versatility allow them to adapt to different events while maintaining uniform acoustic coverage throughout the venue.



PLACES OF WORSHIP

In churches, parishes, or mosques, public address systems accompany liturgical celebrations and ensure safety. They transmit emergency messages, broadcast organizational announcements, and play music or voiceovers during ceremonies. Their versatility and uniform coverage guarantee effective communication throughout different areas of the building, creating the right atmosphere for worshippers.



Security



Paging



Information



Communication

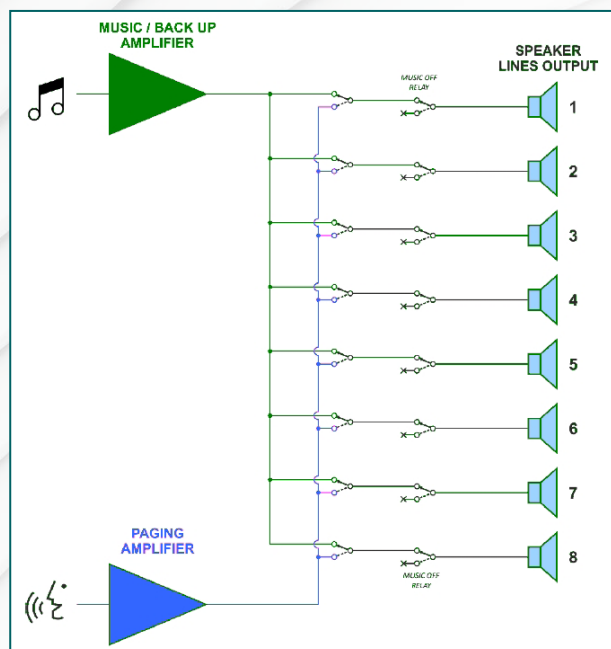


Music

Compact LITE

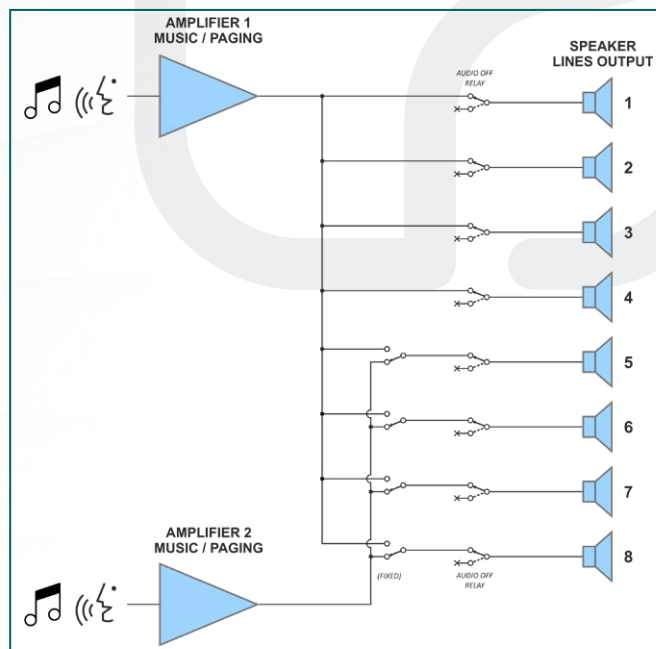
Compact⁺ SYSTEM

Default configuration



- 1 paging amplifier & 1 music and backup amplifier.
- All zones with same music volume & paging volume.
- Option to isolate zones from the BGM.

Dual Model configuration



- The hardware is capable of becoming a 2 x 460 W RMS IP power amplifier.
- 2 x amplifiers with its own volumen for music and paging

APP-OPT1

Smartphone / tablet application

Application (Android and iOS) to manage COMPACT LITE Public Address and Voice Alarm systems. It connects directly to equipment without intermediate servers. Suitable to control the music, announcements and system status in hotels, shopping centers, transport stations...

