ELA-Z

COMPACT

ELECTROACOUSTIC SYSTEM

ALARM AND PUBLIC ADDRESS SYSTEM

GRÄF+ MEYER

AUDIO SECURITY SYSTEMS

A SOLUTION THAT FOCUSES ON THE ESSENTIALS

Alert

Attention Signal (DIN Tone)

High-Performance

500 W (250 Wrms) integrated for demanding sound reinforcement tasks (expandable)

Scalable

Expandable from 6 up to 12 zones for flexible adaptation to your project requirements

Flexible

Versatile audio inputs and priority switching for various applications

Practical

Easy to install, easy to commission, and easy to operate

Prepared Emergency Power Connection

24 V emergency power input for integration into corresponding power supply concepts

Straightforward

A wide range of functions without the complexity of a normatively required voice alarm system (VAS), while meeting elevated security requirements

GRÄF+ MEYER

AUDIO SECURITY SYSTEMS

ELA-LINE

BUILT FOR DEMANDING PUBLIC ADDRESS APPLICATIONS. DESIGNED FOR SIMPLICITY.

EASY
LOGICAL
ADAPTABLE
ELA-Z

WHEN SAFETY MATTERS AND FLEXIBILITY IS KEY

Not every project requires a voice alarm system compliant with EN 54-16, yet the demands for reliable and high-performance sound reinforcement can still be significant.

Clear announcements, different coverage areas, multiple audio sources, and easy operation:
The requirements for modern public address applications are diverse.

This is where ELA-Z Makes the Difference

ELA-Z was developed for projects with heightened safety requirements where numerous functions, high flexibility, and easy implementation are essential.

It combines high-performance audio technology with a practical system architecture, thereby enabling the straightforward implementation of demanding public address projects.

Performance is not the only priority. Equally important is ensuring that **the system can be installed and commissioned with ease**.

ENHANCED SAFETY.
EASY SETUP.
QUICK COMMISSIONING.

DEVELOPED FOR EVERYDAY PROJECT WORK

From initial planning to commissioning: ELA-Z combines a extensive range of features with straightforward and practical implementation.

With up to 12 zones, the system can be flexibly adapted to projects of different sizes. Multiple audio inputs allow a variety of signal sources to be integrated, while priority control ensures that critical signals and announcements take precedence.

ELA-Z is also prepared for corresponding power supply concepts:
The 24-V emergency power input allows the integration of an additional power supply.

Easy to Implement. Quick to Commission. Built for Everyday Reliability.

The result: A powerful, flexible public address (PA) solution designed for enhanced safety standards that is easy to plan, install, and operate.

FOR PLANNERS

- Scalable from 6 up to 12 zones
- Up to 250 Wrms integrated (expandable per zone with external amplifiers, e.g., Sinus 430DPS)
- Versatile audio inputs
- Simple signal prioritization
- Flexible system design
- Automatic school chime control expandable with Gong Modul 2.0
- Easy planning

FOR INSTALLERS

- Practical system structure
- Easy installation
- Easy commissioning
- Intuitive operation
- Flexible integration of audio sources
- 24-V emergency power input

FOR OPERATORS

- Intuitive operation
- Clear announcements
- Flexible use
- Prioritization of important signals
- High-performance sound system

A FLEXIBLE SOLUTION FOR MANY APPLICATIONS

ELA-Z is ideal for projects requiring reliable, high-performance public address with enhanced safety features, where a certified voice alarm system (VAS) in accordance with applicable standards is not required.

One system. Many possibilities.

ELA-Z can be adapted to various project requirements and offers a wide range of features.

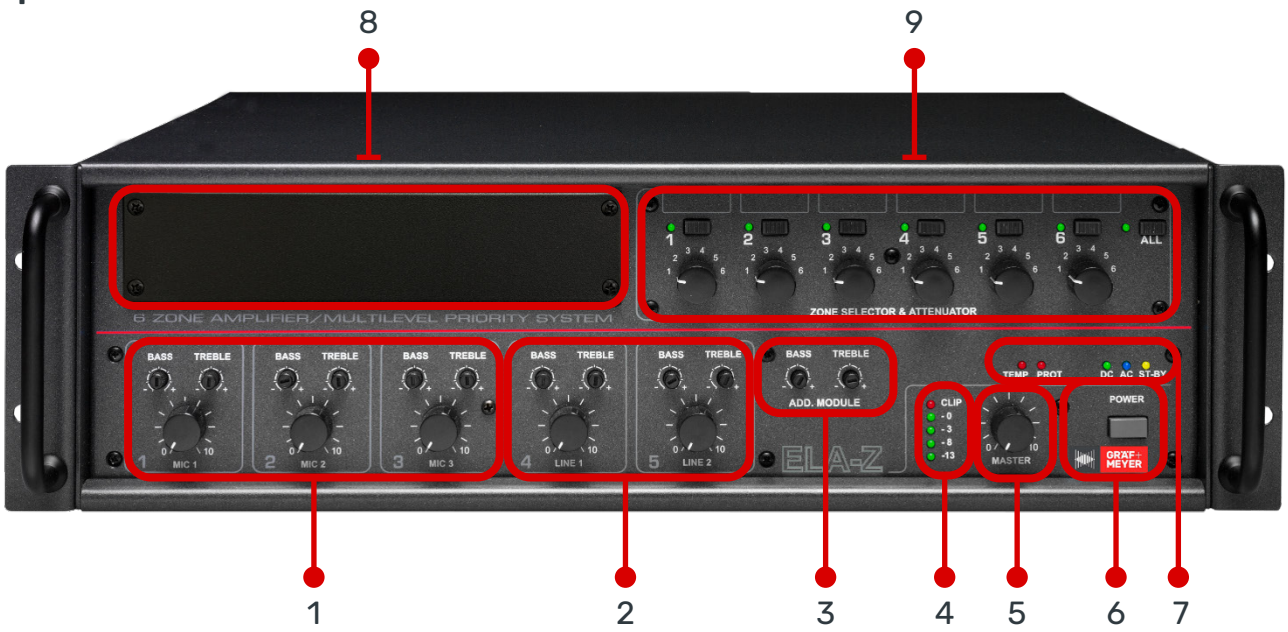
Suitable Areas:

- Education & Childcare
- Offices & Administration
- Medical Practices & Hospitals
- Commerce, Industry & Retail
- Sports & Recreation
- Multipurpose Areas:
  Flexible spaces with varying requirements for sound reinforcement and public address systems.
- Individual projects:
  Wherever **an VAS is not required**, ELA-Z represents a powerful, flexible, and easy-toimplement solution that meets enhanced safety standards.

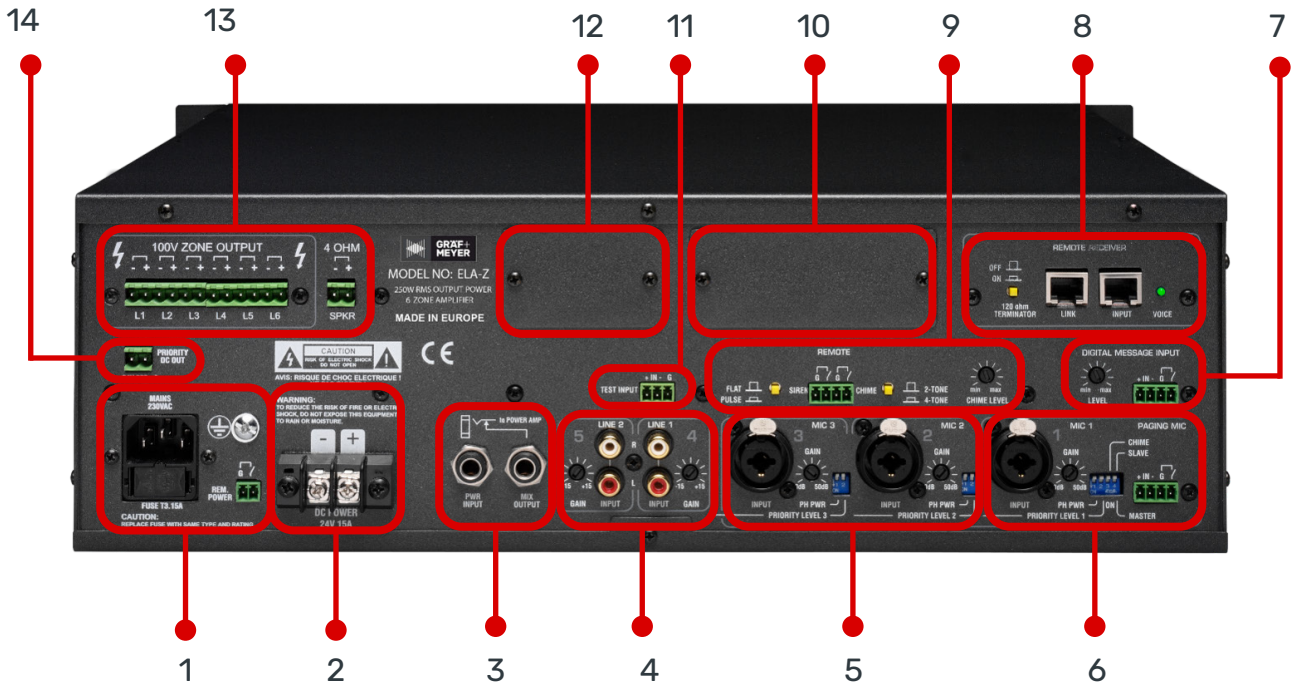
ELA-Z

Compact Control Unit

Front View

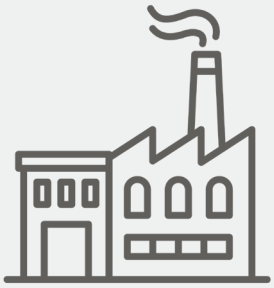


1. LEVEL CONTROL/EQUALIZER FOR MICROPHONE/LINE INPUT
2. LINE / LEVEL 4
3. MODULES (BASS/TREBLE)
4. LEVEL METER
5. MASTER
6. POWER
7. LED CONTROL INDICATORS
8. EMPTY SPACE
9. ZONE SELECTOR & ATTENUATOR



1. AC POWER IN /REMOTE POWER
2. DC POWER IN
3. PWR INPUT / MIX OUTPUT
4. LINE IN 4-5
5. MIC / LINE INPUTS (2-3)
6. (INPUT 1) PAGING-MIC, MIC/LINE (0DB/-50DB)
7. DIGITAL MESSAGE INPUT (MESSAGE FIRST PRIORITY)
8. REMOTE RECEIVER (OPTIONAL)
9. REMOTE GONG / ALARM TRIGGER
10. TELEPHONE MODULE (OPTIONAL)
11. TEST INPUT
12. ANTENNA TERMINAL
13. SPEAKER ZONES OUTPUT (100V/4 OHMS)
14. PRIORITY DC OUT

APPLICATION EXAMPLE
MASTER & SLAVE



Digital
Intercom
Station
12 Zones

Master Interface Card

Slave Interface Card

Connection via
signal converter

Expansion amplifier

Expansion amplifier

Connection via
signal converter

Expansion amplifier

APPLICATION EXAMPLE
SPEAKERS & ACCESSORIES

Microphone

TELA Module

Bluetooth Receiver

Digital
Intercom
Station
6 Zones

Connection via
signal converter

Expansion amplifier

Gong Module 2.0

ELA-LINE

ACCESSOIRES

EXPAND YOUR SYSTEM WITH ELA-LINE

ELA-SYS1A

Analog 1-button paging table intercom features one button, pre-ring button, single-tone chime

ELA-SYS6D

Digital 6-zone desktop intercom station; flush-mountable desktop housing with a high-quality gooseneck microphone; 6 line Buttons; ALL-CALL function; covered alarm button; pre-chime as well as an integrated microphone preamplifier (+10 dB) with balancing stage

ELA-SYS6+

Digital desktop intercom; flush-mountable desktop housing; gooseneck microphone; 12 line Buttons; ALL-CALL function; covered alarm button; pre-chime; integrated microphone preamplifier (+10 dB) with a balancing stage; background music selectable for 6 zones and voice announcements routable to the 6 zones

ELA-SYS12D

Flush-mountable desktop housing with gooseneck microphone; 12 line buttons; ALL-CALL; covered alarm button; pre-chime as well as a microphone preamplifier (+10 dB) with balancing stage; 12 speaker zones can be controlled in interconnected systems (2 x ELA-Z compact control units)

ELA-TS1S

Table microphone with condenser microphone and crackle-free TALK slide switch (on/off); hypercardioid; symmetrical L-300 mm, 16mV/pa; symmetrical XLR socket; built-in tabletop housing

ELA-TS1T

Table microphone with condenser microphone and crackle-free TALK slide switch (on/off); hypercardioid; symmetrical L-300 mm, 16mV/pa; symmetrical XLR socket; built-in tabletop housing

ELA-MOD6

Paging microphone input module; RS-485 interface; optional module (intercom input module) for installation in ELA-**Z** multi-zone System; management of up to 10 SYS6D desktop paging microphones; cable length up to 500 meters; 2 x RJ 45, 8-core cable

ELA-MOD6+

Paging microphone input module; RS-485 interface; optional module (intercom input module) for installation in ELA-**Z** multi-zone System; management of up to 10 SYS6D+ desktop paging microphones; cable length up to 500 meters; 2 x RJ 45, 8-core cable

ELA-MOD-M (MASTER)

Paging microphone input module; RS-485 interface Master; optional module when used with ELA- MOD-S (Slave); installation in the ELA-Z multi-zone system; connection to ELA-SYS12d desktop paging microphones; manages 12 speaker lines

ELA-MOD-S (SLAVE)

Paging microphone input module; RS-485 interface Slave; optional module when used with ELA- MOD-M (Master); installation in the ELA-Z multi-zone system; connection to ELA-SYS12d desktop paging microphones;

ELA-TPMOD

Telephone Paging Card (telephone card); optional module for installation in the ELA-Z compact public address system (rear panel); directly connectable to a telephone exchange via an analogue two-wire A/B extension line; numerous programming options, such as: Individual calls, Alarm, Chime, EL-ON, OC-ON, REL-ON + OC-ON, REL-PULSE, REL-OFF, and more

ELA-PU1

Interface Module (Line-Level Tap); signal converter from 100 V speaker lines to a 0 dB audio signal for feeding additional power amplifiers; features an adjustment control (trimmer) in the range of -20 dB to +3 dB

AUDIO-PLAYER
GONG MODULE 2.0

Microprocessor-based audio Player for 21 audio files with multifunctional control and selection matrix

Optional expansion with 24 V DC DIN Rail Timer with 2 time-division units possible (enclosure prepared)

DIGITAL TIMER SWITCH
GM SC 18.20 EASY

24 VDC DIN-rail timer with 2 independently programmable switching contacts

SINUS 430DPS

Digital 100V four-channel amplifier with 2 x 600W or 4 x 300W (power sharing) continuous power in a 19“ 1U enclosure; ground-free, transformerless 100V outputs; protection against short circuits, DC voltage and overload; 4 audio inputs; integrated 230 VAC main power input and 24 VDC input for backup power supply; collective fault output and control contacts

IMPEDANCE METER
MK I

Measurement technology for 100V Speaker networks measures impedance and phase from 25HZ to 25 HKHz.bis 25kHz

Included accessories:
Carrying case with pressure-equalizing valve, laboratory test leads with alligator clips

SPEAKER
PORTFOLIO

The right speaker for every application.

Speaker

Experience
That Simplifies Projects

The Right Solution for Demanding Public Adress Applications

As a specialist in electroacoustic solutions, we understand the demands modern public address (PA) projects place on planning, installation, and operation. That's why we carefully select products and systems based on their technical performance, practicality and flexibility.

With ELA-Z, we offer a solution for projects that require reliable, high-performance sound reinforcement with enhanced safety standards — without unnecessary complexity.

We support our customers at every stage of the project, from selecting the right solution and providing technical advice to project planning, system integration, delivery, and commissioning. Throughout the entire process, we are your trusted partner and a knowledgeable point of contact.

Our Commitment: Solutions That Work in Practice

For us, it's not just about technology. What matters most is that every system performs reliably in real-world applications, is easy to install, and is straightforward to operate.

ELA-Z combines these qualities with a comprehensive range of features, a clear system architecture, and flexible application options.

The result is a public address (PA) solution that supports planners, installers, and operators in their day-to-day work — powerful, flexible, and easy to implement.

Our Commitment

With over 30 years of experience and a dedicated team of experts, we are your trusted partner for intelligent evacuation solutions.

TRAINING
Technical training,
an invest in your team

PLANNING-SUPPORT
Technical assistance and
planning support

RACK ASSEMBLY
According customers
specification - on request

TECHNOLOGY ADVISORY
Sales proximity
with high
competence

SUPPORT
Personal and
committed - you
can count on US!

We continually invest in what we do best. Count on state-of-the-art technology, tailored system design, and reliable service — for audio solutions that make a difference

Notes

GRÄF+MEYER
AUDIO SECURITY SYSTEMS

ELA-Z

Document Library

CLOSE TO OUR CUSTOMERS

GERMANY

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SWITZERLAND

LUXEMBOURG

NETHERLAND

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REV 1.0