

EVID-S4.2T speaker 4" cabinet 70/100V pair



- Innovative mount system is included for quick, simple, and reliable installations
- Carefully engineered for outdoor environments (IP54), without compromising performance
- Long throw 4" (102 mm) woofer housed in a fire rated ABS plastic enclosure for extended LF performance down to 75 Hz



The EVID-S4.2T from Electro-Voice is a high-performance, two-way, full-range, 4-inch (102 mm) surface mount speaker with excellent wide, uniform coverage, and outstanding performance. It is designed for background and foreground music, paging, and sound reinforcement, in a wide variety of indoor and outdoor applications, such as restaurants, bars, patios, retail, fitness clubs, hospitality, theme parks, leisure venues, and others. With unparalleled ease-of-installation, sturdy weather resistance, modern and delicate look, and flexible mounting options, the EVID-S4.2T is the perfect solution for a wide variety of surface mount applications.

The EVID-S4.2T includes the unique and innovative mount system, from Electro-Voice, making every installation quick, simple, and reliable. The mounting system allows for 90 degrees of rotation horizontally, and 45 degrees of rotation vertically, and it can be easily installed on walls and ceilings. The mounting system comes already assembled and ready to be used, ready to make any job easier.

The EVID-S4.2T utilizes a 15 W transformer, that offers a selection of 3.7 W (70 V only), 7.5 W or 15 W delivered to the speaker system using either 70 V or 100 V lines. Selection is done with a Euroblock connector on the input panel located on the rear of the speaker.

The EVID-S4.2T has been carefully engineered to excel in both indoor and outdoor environments. The superior design strikes the perfect balance between durability and performance, making it an ideal choice for various applications. With an impressive IP54 rating, the EVID-S4.2T demonstrates exceptional weather resistance, guarding against sun, salt, and moisture for reliable operation even in challenging outdoor conditions.

For those seeking the ultimate level of resilience, the EVID-S5.2X is designed to conquer the toughest weather scenarios, raising the bar in weather-proofing technology. With an impressive IP65 rating and a marine-grade aluminum grille, the EVID-S5.2X offers unparalleled protection against sun, salt, and moisture, ensuring unfaltering performance even in the most extreme environments. Whether you require audio reinforcement in coastal areas, poolside settings, or any location where the elements can be unforgiving, the EVID-S5.2X guarantees a premium audio experience that remains uncompromised.

Choose the EVID-S4.2T for exceptional weather resistance and outstanding performance in a wide range of indoor and outdoor settings. For those who demand the utmost durability and resilience, the EVID-S5.2X stands as the ultimate choice. Our surface mount speaker lineup has you covered, providing reliable solutions for any audio needs, regardless of the conditions.

All EVID models are available in black or white, and can be easily painted to match the décor. Transformer versions are also available for constant voltage systems. The wide range of EVID surface mount speakers has been designed to work together as a complete system in a variety of different surface mount constructions, and to be used in combination with other EVID ceiling and in-wall speakers.

Technical specifications

Frequency response (-3 dB): 100 Hz - 20 kHz ¹
Frequency response (-10 dB): 75 Hz - 20 kHz ¹
Sensitivity: 86.5 dB ²

Max SPL (calculated): 98.5 dB (104.5 dB Peak)
Coverage angle: Horizontal 110°, Vertical 110°
Power handling: 15 W (60 W Peak) Continuous Pink Noise (100 hours)
Low Z: No
Recommended High-Pass: 70 Hz (24 dB/octave)
Input transformer (70V/100V): 15 W
Transformer taps: 70 V: 3.7 W, 7.5 W, 15 W 100 V: 7.5 W, 15 W
LF transducer: 4 inch (102 mm)
HF transducer: 0.75 inch (20 mm)
Connectors: Captive screws on wall bracket. Max. wire size 12AWG (2.5 mm).
Environmental: IP54 (per IEC-60529)
Color: Black (RAL 9004) or white (RAL 9003)
Dimensions (H x W x D): 193 mm x 140 mm x 118 mm (7.6 in x 5.5 in x 4.7 in) ³
Net weight: 1.8 kg (4.0 lb)
Shipping weight (pair): 5.4 kg (11.9 lb)
Included hardware: Mounting bracket and 4-mm Allen wrench
Packaged quantity: 2

¹Half-space (wall mounting).
²Half-space (on wall) averaged 100 Hz - 10 kHz, 1 W.
³Without brackets.

Architectural and engineering specifications:

The loudspeaker shall be a surface mount, two-way, full-range system, with an internal passive crossover. The loudspeaker's low-frequency transducer shall be a 4" (102 mm) woofer, with a weather resistant poly propylene cone, and a 1" (25 mm) voice-coil. The loudspeaker's high-frequency transducer shall be a 0.75" (20 mm) Ferro fluid cooled driver.

The loudspeaker system shall meet the following performance criteria: Power handling, 15 W of IEC 60268-5 continuous pink noise (6 dB crest factor); Frequency response, 75 Hz - 20 kHz (-10 dB from rated sensitivity); Sensitivity, 86.5 dB at one watt, 100 Hz - 10 kHz at one meter.

The loudspeaker shall have a transformer suitable for use on 70 V or 100 V distributed lines. The transformer shall have taps ranging from 3.7 W to 15 W, selectable using a Euroblock connector on the rear of the enclosure.

The high-frequency transducer shall drive a waveguide to cover evenly 110° horizontally by 110° vertically. The finish shall be paintable black (RAL 9004) or paintable white (RAL 9003). The grille shall be zinc plated, and powder coated for corrosion resistance. The

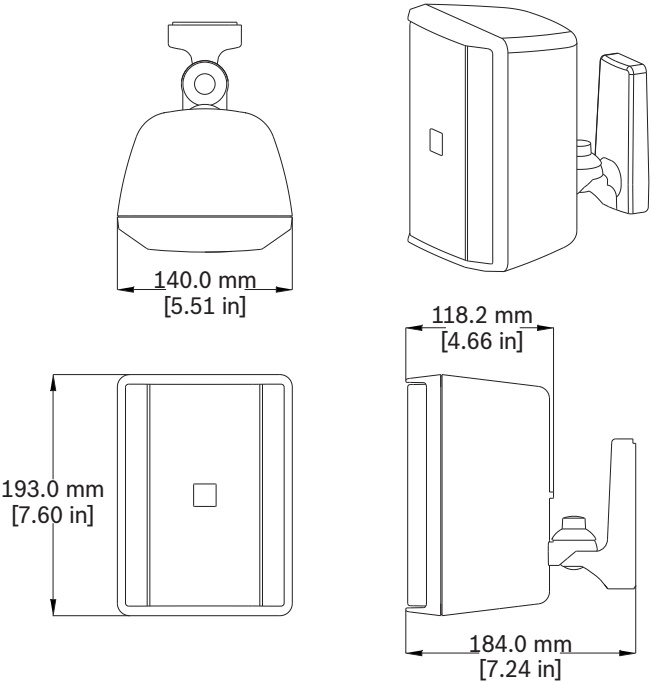
loudspeaker shall be adjustable over a range of 90° horizontally and 45° vertically. The support bracket shall be integral with the enclosure.

The loudspeaker shall have a ball-and-socket mounting system with a quick attach and detach operation. Electrical connections shall be through the wall-portion of the mounting system, and there should be no exposed wire.

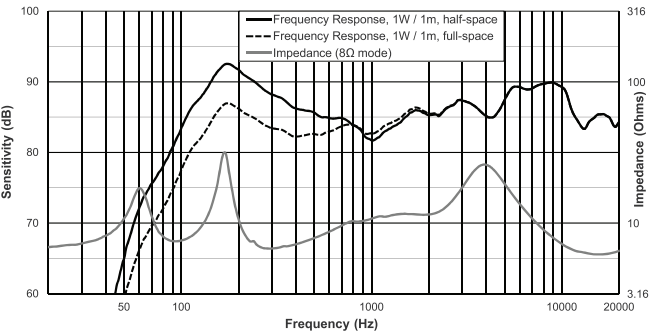
The system shall be weather resistant to IEC 60068-2-5 Solar Radiation, IEC 60068-2-11 Salt Mist, IEC 60068-2-42 SO2, IEC 60068-2-60 Chlorine, and IEC 60529 IP54 test conditions. The mounting system shall be EIA 636 tested, at a safety factor of 8:1 or better. The enclosure shall be molded of fire rated ABS plastic. The loudspeaker shall weigh 1.8 kg (4.0 lb) and its dimensions shall be 193 mm (7.6 in) high, 140 mm (5.5 in) wide, and 118 mm (4.7 in) deep.

The surface mount loudspeaker shall be the EVID-S4.2T model from Electro-Voice.

Dimensions:



Frequency response and impedance:



Ordering information

EVID-S4.2TB Surface mount speaker 4" 70/100V bk pair

Two-way 4-inch surface mount loudspeaker with easy wall-mount system, internal 15 W 70/100-volt line transformer, weather-resistant IP54 (packaged in pairs), black

Order number **EVID-S4.2TB | F.01U.332.732**

EVID-S4.2TW Surface mount speaker 4" 70/100V wh pair

Two-way 4-inch surface mount loudspeaker with easy wall-mount system, internal 15 W 70/100-volt line transformer, weather-resistant IP54 (packaged in pairs), white

Order number **EVID-S4.2TW | F.01U.332.733**

Represented by:

Germany:

Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Germany
www.electrovoice.com

Bosch Security Systems, LLC
12000 Portland Avenue South
Burnsville MN 55337
USA

U60:1M Mixer amplifier 60W, 1 channel



- Versatile inputs: 4 inputs - 2 aux and 2 mic/line options with phantom power support
- Full power output supporting 4Ω, 8Ω, 70 V and 100 V
- EMG override input, ensuring critical messages are heard clearly
- Contact override for call station with 2-tone chime for attention-grabbing alerts
- Selectable 120 Hz high-pass filters to customize audio output and eliminate unwanted low-frequency noise
- Space-saving compact ½ rack design, providing versatility without compromising performance
- Voice-over ducking that automatically adjusts background music volume for clear voice communication
- Remote power OFF (Stand by), enhancing energy efficiency

Introducing the U60:1M, a 60 W mixer amplifier designed to cater to the demands of small to medium-sized installations, where paramount considerations include quality, performance, and unwavering reliability. This mixer amplifier is ideal for background music and crystal-clear voice announcement applications, making it a perfect fit for diverse environments such as bars, restaurants, retail outlets, educational institutions, houses of worship, museums, galleries, transport hubs, and conference centers. Thanks to its compact size, standing just one rack unit high and half rack wide, the U60:1M presents numerous installation possibilities, even in space-constrained settings. Included brackets facilitate both single and dual rack-mount configurations, while desktop and under-counter installations are equally viable. When rack-mounted side by side, two

amplifiers can seamlessly inhabit a single rack unit, optimizing space utilization and effectively doubling both channel count and output power.

Functions

Advanced amplification technology

Incorporates class-D amplification topology for superior energy efficiency, product quality, and reliability compared to traditional linear power supply and class-AB amplification.

Compact form factor

Half rack, 1U enclosure ensures space-saving installation without compromising performance.

Full power at low and high impedance

Supports 70V, 100V, 4Ω, and 8Ω speaker systems, offering versatility in system design.

Phantom power

Facilitates microphone operation with power supplied to both microphone inputs.

VOX Ducking

Prioritizes voice input, enhancing clarity during announcements or speeches.

Remote power

Enables remote power ON/OFF functionality via contact closure, enhancing operational convenience.

Bass and treble adjustment

Allows fine-tuning of audio output with dedicated bass and treble adjustment controls.

High-pass filter

Available 120 Hz high-pass filters to tailor audio output according to application requirements.

Flexible mounting options

Offers versatile mounting possibilities including rack mount, side-by-side rack mount, table-top, or under-table mounting, facilitated by included brackets and accessories.

Emergency input

Features 100 V and Line In emergency input with level selection, ensuring critical messages are delivered clearly.

Protection

Equipped with overload and short circuit protection, along with a limiter to safeguard both the amplifier and loudspeaker against accidental overdriving. A temperature-controlled fan ensures optimal cooling without generating acoustic noise at lower output levels.

Accessible front controls

Conveniently adjust output gain, input gain per channel, and bass and treble settings directly from the front panel for effortless customization.

Technical specifications

Electrical

Mains power supply	
U60:1M	
Voltage	100 VAC - 240 VAC ±10%, 50/60 Hz
Power consumption	
• Standby (Remote OFF active)	0.6 W
• Idle mode LoZ amp mode (4 Ω / 8 Ω)	6 W / 6 W

Mains power supply	
• Idle mode HiZ amp mode (70 V / 100 V)	6 W / 6 W
• 1/8 rated output power	20 W
Remote power (ON/OFF Stand by)	2-pin, Eurostyle, contact closure

Performance	
Frequency response, -3 dB ref. 1 kHz	
• Any input to output	70 Hz – 18 kHz
• EMG input to output	80 Hz – 15 kHz
• Any input to LINE output	<10 Hz – 60 kHz
Distortion	<0.5% @rated output power, 1 kHz
Output stage topology	Class D
Equalization	
• Bass shelving	±12 dB / 100 Hz
• Treble shelving	±12 dB / 10 kHz
Filter	
• LO-CUT permanently	f=70 Hz, 12 dB/oct.
• HI-PASS (HPF) switchable, can be activated	f=120 Hz, 12 dB/oct.

General	
Front status LEDs	
• Protect (Red)	Protection
• Peak (Red)	1 dB before clip (input and output)
• Signal (Green)	Input and output signal
• Call (Green)	EMG / priority trigger / Vox input active
• Power (Green)	Power on condition
DIP switches	EMG (HiZ/Line level), Two-tone Chime (ON/OFF), HPF (120 Hz), VOX (ON/OFF), Phantom power (+48 V/OFF) Output (HiZ/LoZ), Amp mode (70 V/100 V; 4Ω/8Ω)

Protections	
• Amplifier	Audio limiters, high temperature, DC, HF, short circuit, over current protection
• Switching mode power supply	Mains over/under voltage protection, inrush current limiter, mains over current, high temperature
• Remote power OFF	Contact closure

Inputs	
Number of inputs	2 mic/line, 2 aux, EMG (priority input)
Sensitivity with all level controls in max. position	
• MIC / Call station	-68 dBu (300 µV)
• AUX (only L or R)	-11.8 dBu (200 mV)
• AUX (Stereo) (L and R)	-17.8 dBu (100 mV)
Maximum input level	
• LINE / MIC	+7.5 dBu
• AUX (L or R)	+22 dBu
• AUX (L and R)	+16 dBu
• EMG (EMG line)	+11.5 dBu
• EMG (HiZ 100 V)	+44.5 dBu
Input impedances	
MIC / Call station	10 kΩ
AUX	4.7 kΩ
EMG (Line)	>15 kΩ
EMG (HiZ)	>470 kΩ
LINE / MIC1 input	
Type	LINE / MIC, call station, contact override with chime
Connector	3-pin XLR, balanced / 5-pin Eurostyle, balanced (3 pin for input, 2 pin for trigger)
Dynamic range	60 dB (Mic gain min — max)
Equivalent input noise	<-115 dBu
Phantom power supply, switchable	48 V DC
LINE / MIC2 input	
Type	Mic/Line, VOX ducker override
Connector	3-pin XLR, balanced
VOX Ducking	Ducking control 0 dB — 45 dB
VOX Threshold	-60dBu — +8 dBu, adjustable via MIC2 level control
Dynamic range	60 dB (Mic gain min — max)
Equivalent input noise	<-115 dBu
Phantom power supply, switchable	48 V DC
AUX1 input	
Type	Line
Connector	RCA (cinch), stereo converted to mono, unbalanced
AUX2 input	
Type	Line
Connector	RCA (cinch), stereo converted to mono, unbalanced
EMG Input	
Type	Line; 100 V
Connector	2-pin, balanced

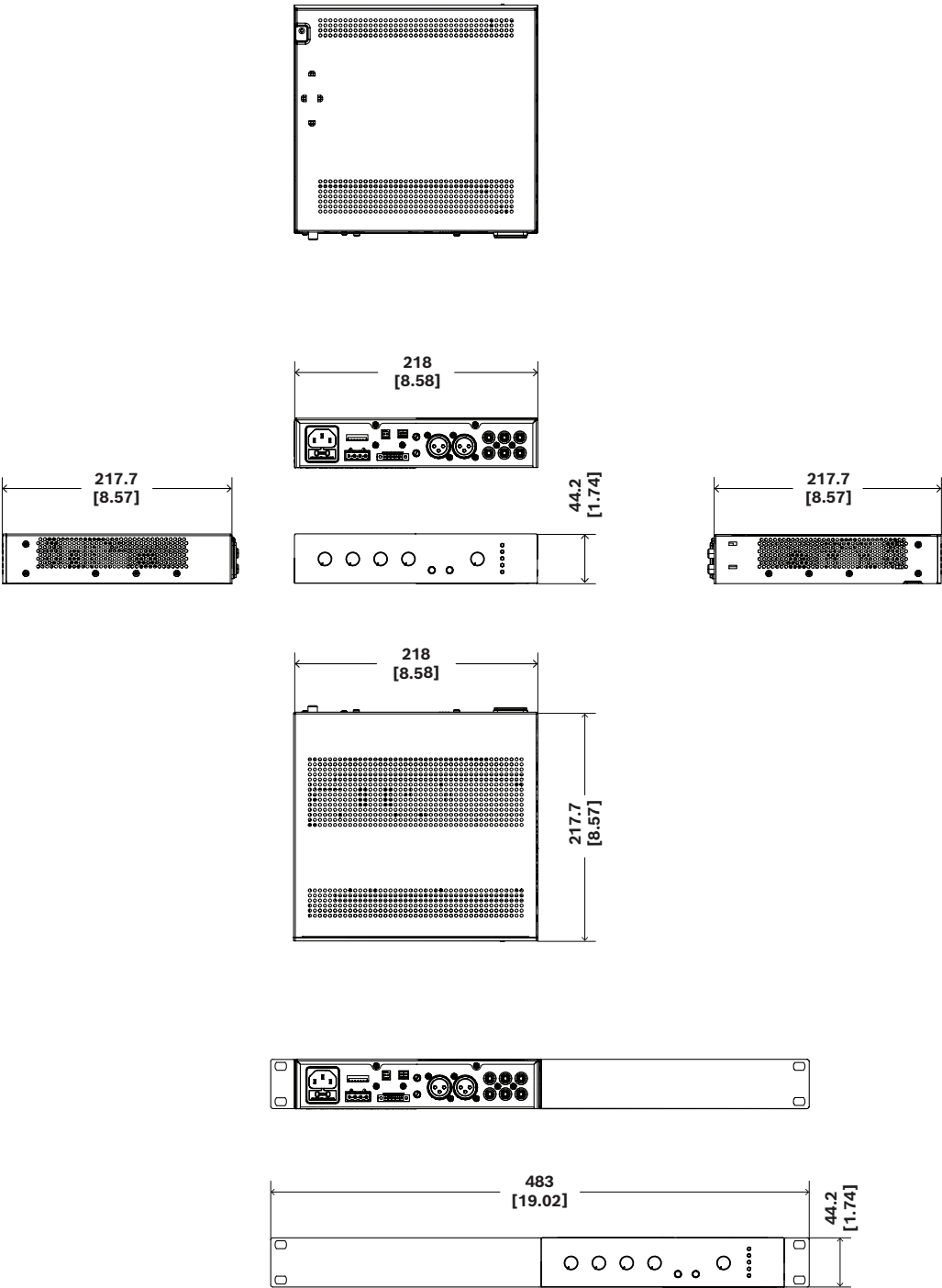
Loudspeaker output				
Connector	4-pin Eurostyle (2 pin for LoZ, 2 pin for HiZ)			
Output power according IHF-A-202 (Dynamic-Headroom, burst 1 kHz / 20 ms on / 480 ms off / low level -20 dB)	60 W			
Max output voltage, 1 kHz, THD=0.5%, no load	4 Ω	8 Ω	70 V	100 V
	16 V _{RMS}	22 V _{RMS}	86 V _{RMS}	117 V _{RMS}
Signal to noise ratio (A-weighted, ref. to rated output power)	>100 dB			

Mechanical

Enclosure	
IEC protection class	Class I (grounded)
Dimensions (HxWxD), without accessories	44.2 mm x 218 mm x 217.7 mm (1.74 in x 8.6 in x 8.57 in)
Color in RAL	RAL 9017 Traffic black
Net weight (without accessories)	2.5 kg (5.51 lb)
Net weight (with accessories)	3.0 kg (6.61 lb)
Shipping weight	3.4 kg (7.49 lb)
Mounting	Stand-alone; 19" rack; rack side-by-side; half 19" rack; table-top; under-table

Environmental

Climatic conditions	
Cooling concept	Fanless (convection cooling)
Operating temperature	-5°C — 45°C (23°F — 113°F)
Storage temperature	-40°C — 70°C (-40°F — 158°F)



mm [in]

Fig. 1: Dimensions

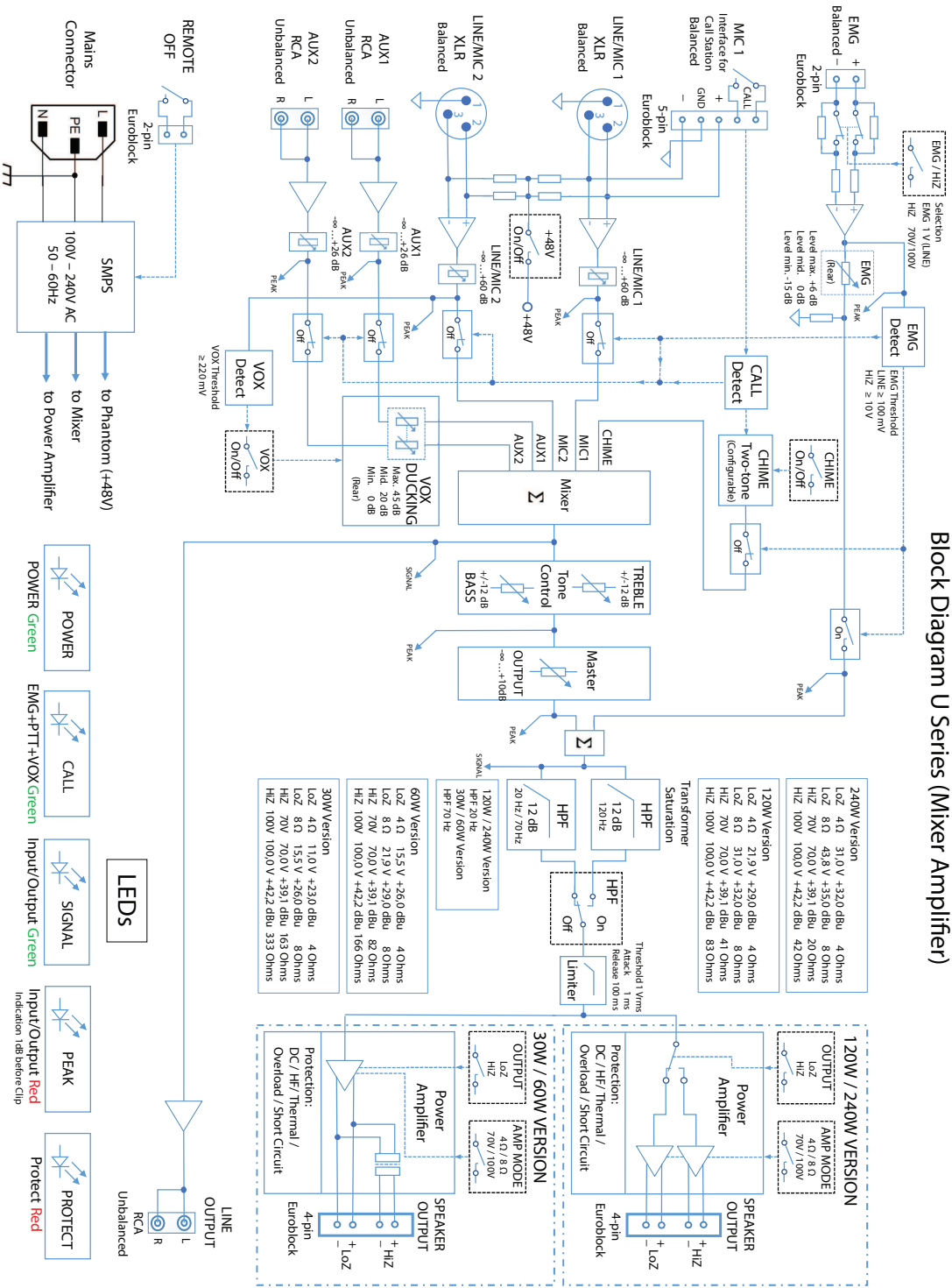


Fig. 2: Block diagram

Ordering information

U60:1M-CN Mixer amplifier 60W 1 channel, CN

1-channel, 60 W mixer amplifier

Order number **U60:1M-CN | F.01U.425.755**

U60:1M-EU Mixer amplifier 60W 1 channel, EU

1-channel, 60 W mixer amplifier

Order number **U60:1M-EU | F.01U.425.747**

U60:1M-US Mixer amplifier 60W 1 channel, US

1-channel, 60 W mixer amplifier

Order number **U60:1M-US | F.01U.425.751**

Accessories

PLE-1CS Call station, all-call

An all-zone call station with 2 m cable and lockable Euro style connector.

Order number **PLE-1CS | F.01U.066.940**

Represented by:

Bosch Security Systems B.V.
Torenallee 49
5617 BA Eindhoven
Netherlands
www.dynacord.com