

EVID-C6.2-G2 Ceiling speaker 6.5" 70/100V white

EVID Ceiling G2

- SwiftLock mounting system for quick, safe, and reliable installation
- Bezel-less design with easy-attach magnetic grille
- Front baffle wattage tap adjustment
- Includes tile rail and C-Ring for easy installation
- UL 1480A, UL 2043, CSA C22.2 No. 205 and IEC 62368-1 certified



The Electro-Voice EVID-C6.2-G2 is a complete 6.5-inch coaxial two-way loudspeaker that offers excellent sound quality and outstanding reliability with first-class aesthetics. It includes the SwiftLock mounting system for quick and easy installations that are fast and reliable without compromising on safety.

The loudspeaker features a point-source design to improve off-axis response and overall uniform coverage. The EVID-C6.2-G2 utilizes a transformer that offers a selection of 1.9 (70-V only), 3.8, 7.5, 15 or 30 watts delivered to the loudspeaker system using either 70-V or 100-V lines, or 8-ohm bypass. Selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder-coated enamel. The baffle is constructed from UL 94V-0 rated ABS. The rear enclosure is constructed from heavy gauge coated steel. The low-profile enclosure makes it easy to mount in very tight spaces. A side terminal-cover provides access to a 4-pin terminal block that allows direct connection to the speaker with 12-gauge and 3.3 mm²-wire and provides pass through to additional speakers.

A mounting ring and a tile bridge are included for safe suspension of the EVID-C6.2-G2 ceiling systems in a drop ceiling that uses mineral wool, or other fiber-based ceiling tiles.

The wide range of EVID ceiling speakers has been designed to work together as a complete system in a variety of different ceiling constructions, and to be used in combination with other EVID surface-mount and in-wall speakers

Parts included

Quantity	Component
2	Ceiling loudspeaker
2	Loudspeaker connection cover (installed)
2	Magnetic grille
4	Ceiling tile rail
2	C-ring
4	Screw
1	Cutout template
2	Paint cover
1	Quick installation guide

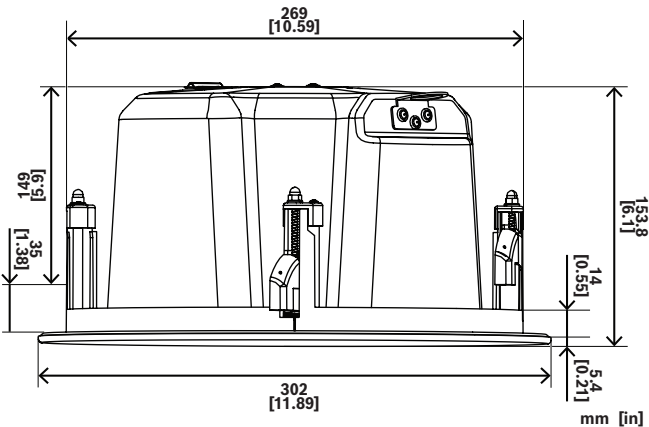
Technical specifications

Frequency range (-10 dB) (Hz) ¹	65 Hz – 20,000 Hz
Maximum SPL (continuous) (dB) ²	109 dB
Maximum SPL (peak) (dB) ²	115 dB
Sensitivity (1 W, 1 m) ³	90 dB SPL 1 W, 1 m
Coverage angle conical (°)	110°
Power handling (continuous) (W) ⁴	80 W
Power handling (peak) (W) ⁴	320 W
Long term power handling (continuous) (W) ⁵	70 W
Long term power handling (peak) (W) ⁵	280 W
Nominal impedance (Ω) (Low Z)	8 Ω
Recommended high pass (Hz) ⁶	60 Hz
Transformer taps 70 V line (W)	30 W; 15 W; 7.5 W; 3.75 W; 1.88 W
Transformer taps 100 V line (W)	30 W; 15 W; 7.5 W; 3.75 W
LF transducer size (in)	6 in

HF transducer size (in)	1 in
Material	Steel
Grille material	Powder coated steel
Connector type	4-pin Euroblock
Wire size (AWG)	12AWG (maximum)
Wire diameter (mm ²)	3.3 mm ² (maximum)
Color	White; Customized colors
Color (RAL)	RAL 9003 Signal white
Mounting cutout (in)	10.70 in
Mounting cutout (mm)	272 mm
Dimensions (Ø x D) (in)	11.9 in x 6 in
Dimensions (Ø x D) (mm)	302 mm x 153.8 mm
Mounting depth (in)	5.9 in
Mounting depth (mm)	149 mm
Ceiling thickness (in)	0.5 in - 1.5 in
Ceiling thickness (mm)	12.5 mm - 38 mm
Weight (lb) ⁷	9 lb
Weight (kg) ⁷	4.10 kg
Shipping weight (lb) ⁸	27 lb
Shipping weight (kg) ⁸	12.20 kg
IP rating	IP34
Weatherization	Indoor
Operating temperature (°F)	32 °F – 122 °F
Operating temperature (°C)	0 °C – 50 °C
Safety agency ratings	UL 1480A, safe for use in air-handling spaces per UL 2043, CSA C22.2 No. 205 certified, IEC 62638

¹Half-space (in-ceiling mounted)
²Calculated
³Half-space (1 W/1 m)
⁴Continuous pink noise (2 hours)
⁵Continuous pink noise (100 hours)
⁶24 dB/octave
⁷Single product
⁸Pair of products

Dimensions



Installation note

This is a professional product that should be installed, used and maintained by trained professionals only.

Ordering information

EVID-C6.2-G2 Ceiling speaker 6.5" 70/100V white
High-quality two-way 6.5-inch coaxial ceiling speaker, with internal up to 30 W 70/100-volt line transformer with 8 Ohm bypass, packaged in pairs, white
Order number **EVID-C6.2-G2 | F.01U.417.781 Z.01X.002.049**

Accessories

C-RG-M-BK Round magnetic grille, medium, black
Powder-coated steel grille, magnetic, with safety tether, sold in pack of 6 units
Order number **C-RG-M-BK | F.01U.420.259**

C-SQ-M-WH1 Square magnetic grille, medium, white
Powder-coated steel grille, magnetic, with safety tether, sold in pack of 6 units
Order number **C-SQ-M-WH1 | F.01U.420.261**



U120:1M Mixer amplifier 120W, 1 channel



Introducing the U120:1M, a 120 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 U120:1M 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

- 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

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	
U120:1M	
Voltage	100 VAC - 240 VAC, 50/60 Hz
Power consumption	
• Standby (Remote OFF active)	1.25 W
• Idle mode LoZ amp mode (4 Ω / 8 Ω)	9 W / 12 W

Mains power supply	
• Idle mode HiZ amp mode (70 V / 100 V)	14 W / 18 W
• 1/8 rated output power	40 W
Remote power (ON/OFF Stand by)	2-pin, Eurostyle, contact closure

Performance	
Frequency response, -3 dB ref. 1 kHz	
• Any input to output	<20 Hz – 20 kHz
• EMG input to output	<20 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=20 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

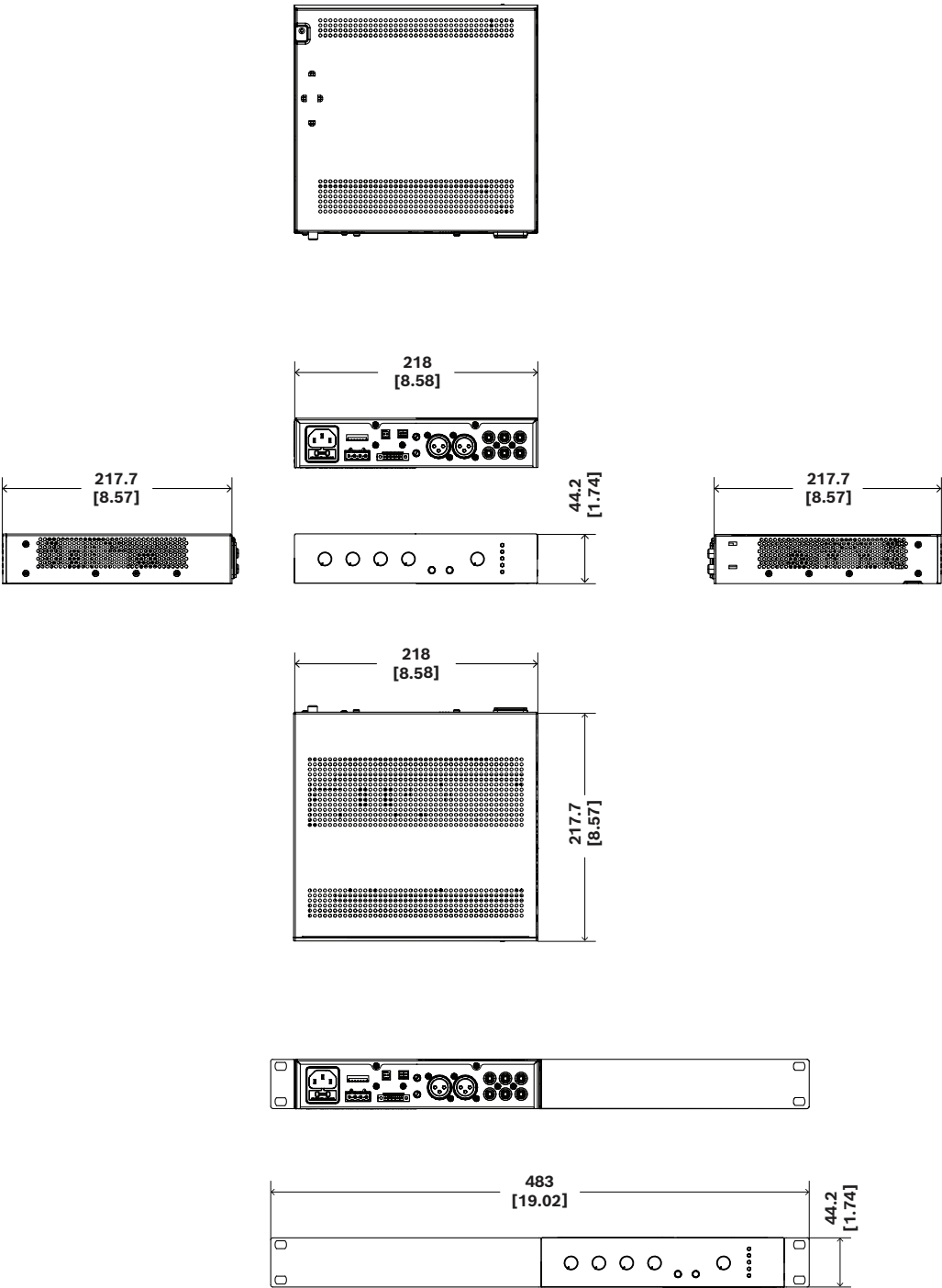
Connector	4-pin Eurostyle (2 pin for LoZ, 2 pin for HiZ)			
Output power according IHF-A-202 (Dynamic-Headroom, burst 1kHz / 20ms on / 480ms off / low level -20dB)	120 W			
Max output voltage, 1 kHz, THD=0.5%, no load	4 Ω	8 Ω	70 V	100 V
	22 V _{RMS}	32 V _{RMS}	71 V _{RMS}	102 V _{RMS}
Signal to noise 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)	1.9 kg (4.18 lb)
Net weight (with accessories)	2.4 kg (5.29 lb)
Shipping weight	2.8 kg (6.17 lb)
Mounting	Stand-alone; 19" rack; rack side-by-side; half 19" rack; table-top; under-table

Environmental**Climatic conditions**

Cooling concept	Four-stage-fans (Off / Slow / Medium / Fast)
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

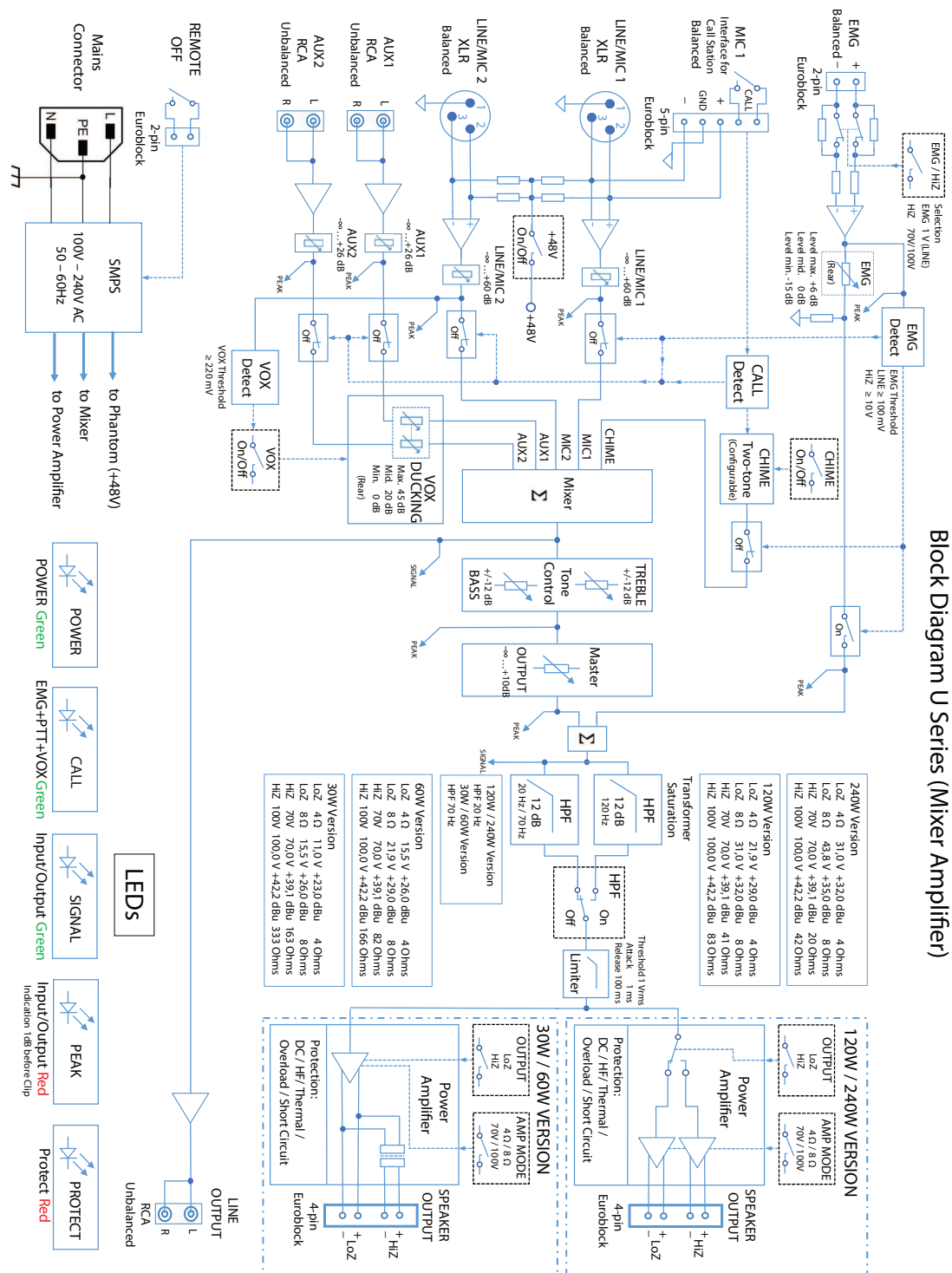


Fig. 2: Block diagram

Ordering information

U120:1M-CN Mixer amplifier 120W 1 channel, CN

1-channel, 120 W mixer amplifier

Order number **U120:1M-CN | F.01U.425.756**

U120:1M-EU Mixer amplifier 120W 1 channel, EU

1-channel, 120 W mixer amplifier

Order number **U120:1M-EU | F.01U.425.748**

U120:1M-US Mixer amplifier 120W 1 channel, US

1-channel, 120 W mixer amplifier

Order number **U120:1M-US | F.01U.425.752**

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