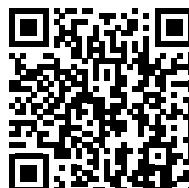
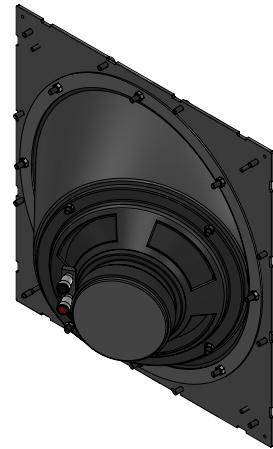
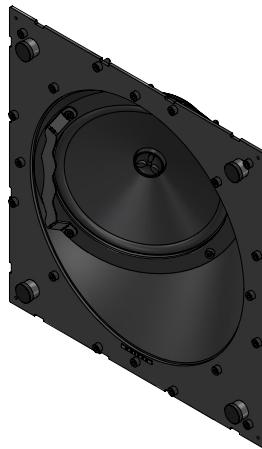
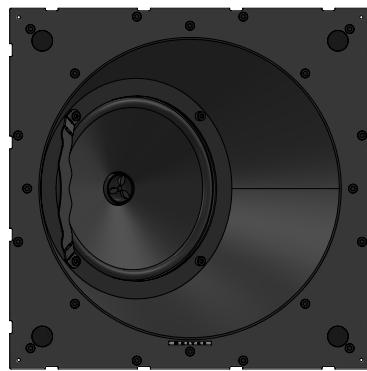




Concrete wall



**SCAN OR CLICK TO EXTEND  
YOUR GARVAN WARRANTY FOR FREE!**  
3 years included, with the option to add  
2 extra years at no additional cost.

## OVERVIEW DESCRIPTION – UNIQUE DESCRIPTION PRODUCT

Coaxial Inclined, in-wall and in-ceiling 6.5" (160 mm), 100 W max, coaxial speaker with steel mounting frame and speaker body, designed for optimal performance and durability, even in harsh environments. This product supports recessed installation with various integration solutions, including FiloMuro™, suitable for plasterboard and masonry walls. The speaker is internally inclined by 30° and can be rotated 360° this allows for installation and later adjustment of the focus point. The 6.5" (160 mm) coaxial speaker features a magnetic assembly treated with cataphoresis to ensure corrosion resistance, a treated cellulose cone, a rubber surround, and a 0.5" (14 mm) neodymium tweeter concentrically aligned with the woofer for balanced, linear sound throughout the frequency range and excellent intelligibility of vocals. Connection to the amplifier is via spring-loaded terminals that can accommodate cables up to AWG14 gauge. The aesthetic cover is securely fastened by powerful neodymium magnets. The aesthetic cover is securely attached by powerful neodymium magnets. The grille cover can be customized in various materials, including perforated steel that can be painted white tinted or prepainted according to RAL or NCS codes and even treated with galvanic effects. In addition, fabric covers can be used, which are available in a wide selection of textures and colors as shown in Garvan's sample books.

## KEY FEATURES

### 3" (76 mm) Full-Range Driver

Delivers clear, natural sound with excellent speech intelligibility.

Flush-mount system for perfect integration in plastered brick or concrete walls.

### Compact Power

80 W max output and up to 111.5 dB SPL @ 1 m.

### EasyFit™ System

Tool-free installation on various surfaces (drywall, wood, metal, porcelain) 4–40 mm thick.

### Wide Frequency Range

Covers 88 Hz – 20 kHz (-10 dB), suitable for background music and paging.

### Custom Aesthetic Integration

Interchangeable cover available in paintable steel, galvanic finishes, prints, or acoustic fabrics.

### Narrow Grille Design (30 mm)

Slim visible frame for minimal visual impact.

### Neodymium Magnetic Grille

Ensures fast, secure and invisible grille attachment.

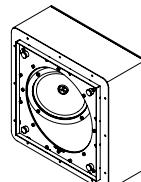
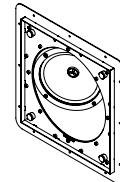
### Steel Frame + Marine-Grade Backbox

Durable construction ideal for long-term installations, even in humid conditions.

### Extended Warranty

Includes 3+1+1 years of coverage, extendable at no additional cost.

### FiloMuro™ Masonry Installation



INSTALLATION NAME	Flush-Mount™ Plasterboard	Flush-Mount™ Concrete wall
Installation Type	In Wall / In Ceiling Speaker, free air	In Wall / In Ceiling Speaker, Closed box
Surface Compatibility	Suitable for installation in Plasterboard, wooden panels, modular panel, and similar.	Suitable for installation in Concrete Wall and similar.
Installation Requirements	Required support thickness: 12,5-25mm	Minimum required wall thickness: 90mm
<b>SINGLE LOUDSPEAKER PERFORMANCE</b>		
AES Power Handling	50 W	50 W
Continuous Power Handling ***	100 W	100 W
Sensitivity 2,83V / 1m ****	91 dB	91 dB
Sensitivity 1W/1m ****	91 dB	91 dB
Calculated Maximum SPL @ 1m*	120 dB	120 dB
<b>TRANSDUCER</b>		
Type	Coaxial	Coaxial
Nominal size	WF 160 mm + TW 14mm	WF 160 mm + TW 14mm
Nominal Impedance	8Ω	8Ω
Loudspeaker EQ	Not required, Garvan Preset EQ, Filter and protection available	Not required, Garvan Preset EQ, Filter and protection available
Recommended High-Pass Filter Protection	60 Hz with 48 dB/ Oct. Hight pass Filter	55 Hz with 48 dB/ Oct. Hight pass Filter
Frequency Response (-3 dB)	80 Hz - 20 kHz **	84 Hz - 20 kHz **
Frequency Range (-10 dB)	60 Hz - 20 kHz	56 Hz - 20 kHz **
Nominal Coverage Angle (1 KHz - 4 kHz)	90°	90°
Nominal Coverage (1 KHz – 10 kHz)	90°	90°
<b>PHYSICAL</b>		
Frame Material	zinc-plated metal	"zinc-plated metal + phenolic multilayer wood"
Speaker support Material	Lacquered or galvanic metal support	Lacquered or galvanic metal support
Cover	Lacquered or galvanic metal Grille/ Brushed stainlenss steel Grille / Fabric covered frame.	Lacquered or galvanic metal Grille/ Brushed stainlenss steel Grille / Fabric covered frame.

ENVIRONMENTAL FEATURES				
Environment of Use		Indoor environments	Indoor environments	
Operating Temperature Range ***** environmental protection.				
Connectors	Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm <sup>2</sup> ) to 15 AWG (2,08 mm <sup>2</sup> ) size wire.	Push connector, mounted on speaker. Accepts 18 AWG (0.8 mm <sup>2</sup> ) to 15 AWG (2,08 mm <sup>2</sup> ) size wire.		
Maximum Ceiling Thickness				
Product Dimensions				
Ceiling Cutout				
Net Weight, Frame				
Net Weight, Loudspeaker				
Net Weight, Cover				
LOGISTICAL DATA				
Packaging dimensions				
Shipping Weight				
Quantity of products per package	1 to 2 based on logistics optimization per shipment	1 to 2 based on logistics optimization per shipment		
MAINTENANCE				
Cleaning Method	microfiber cloth	microfiber cloth		
General precautions	do not use harsh cleaning products	do not use harsh cleaning products		
INCLUDED ACCESSORIES				
	Jig set	Jig set		
OPTIONAL ACCESSORIES				
Transformer for hight line voltage	TRT052 - 70/100V - 25/37/50W	TRT052 - 70/100V - 25/37/50W		
Transformer for hight line voltage	TRT054 - 70/100V - 10/15/20W	TRT054 - 70/100V - 10/15/20W		
Cover installation kit	GAR136	GAR136		
Sound-absorbing material kit for installation				
Cable size/load 2 sq mm. 2,5 sq mm. 4 sq mm.	8 ohm 20m / 65ft. 30m / 100ft. 60m / 200ft.	4 ohm 10m / 32ft 15m / 50ft 30m / 100ft	2 ohm 5m / 16ft 7,5m / 25ft 15m / 50ft	

#### NOTES:

\* Maximum SPL calculated from sensitivity and power handling specifications, using a signal with crest factor 4 (12dB), exclusive of power compression.

\*\* With dedicated preset

\*\*\* Power on Continuous Program is defined as 3 dB greater than the Nominal rating.

\*\*\*\* average SPL measured from 200 Hz to 1,5 kHz

\*\*\*\*\* With dedicated ignition and maintenance process

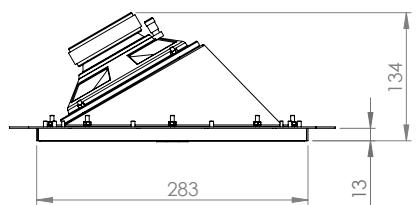
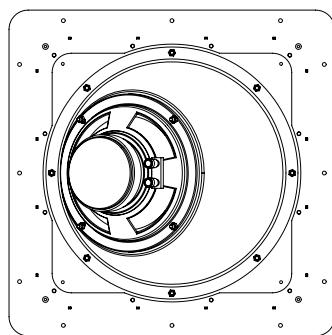
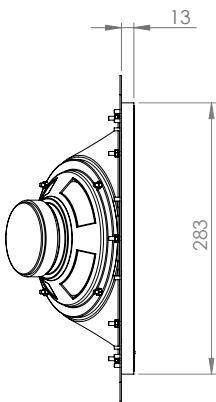
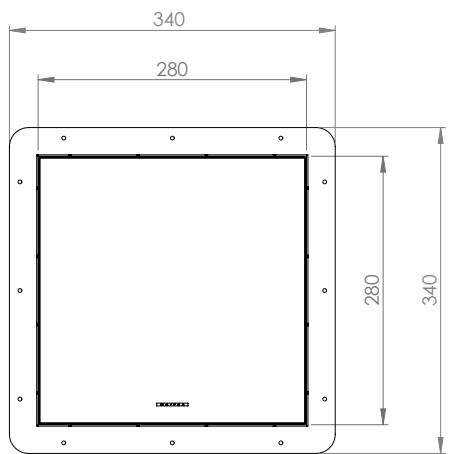
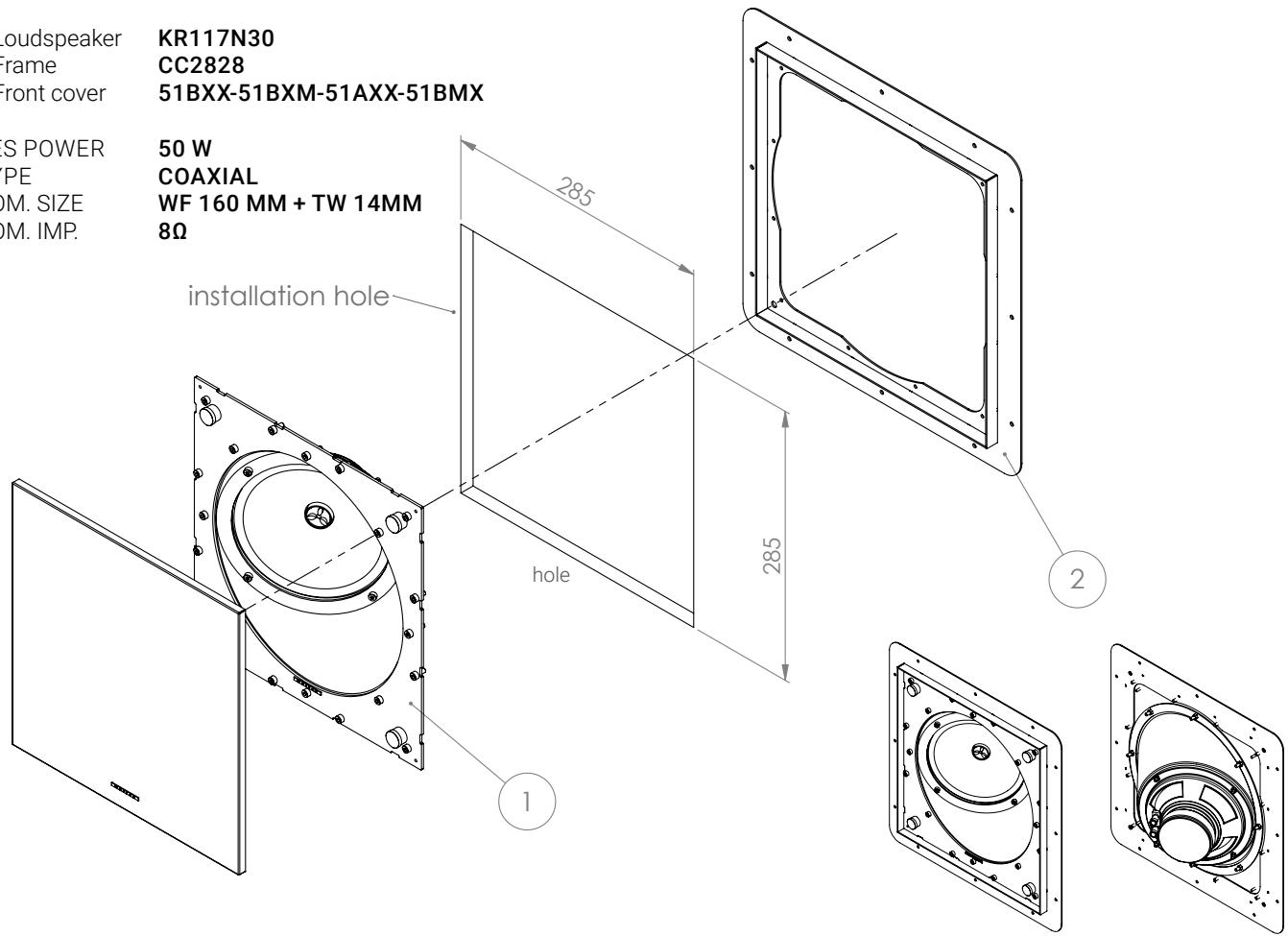
# KR117N30 / CC2828

## FLUSH-MOUNT™ PLASTERBOARD PRODUCT SHEET

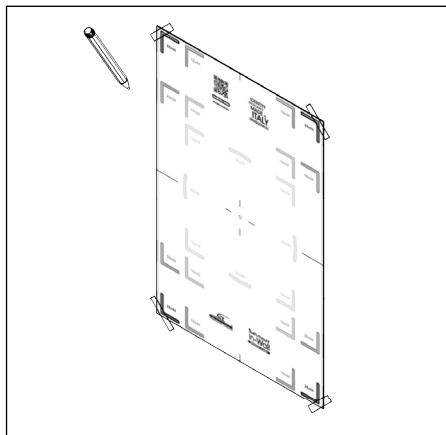
### FLUSH-MOUNT™ CODES

1 Loudspeaker **KR117N30**  
 2 Frame **CC2828**  
 3 Front cover **51BXX-51BXM-51AXX-51BMX**

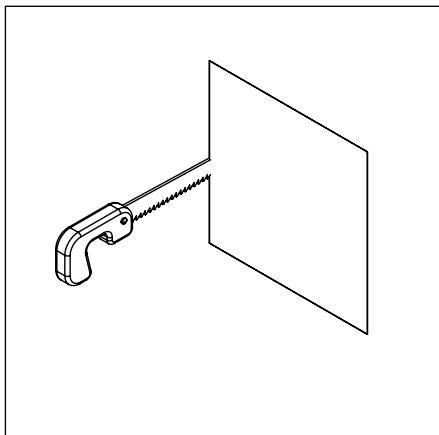
AES POWER **50 W**  
 TYPE **COAXIAL**  
 NOM. SIZE **WF 160 MM + TW 14MM**  
 NOM. IMP. **8Ω**



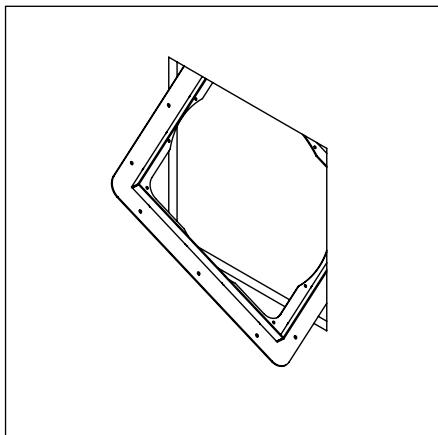
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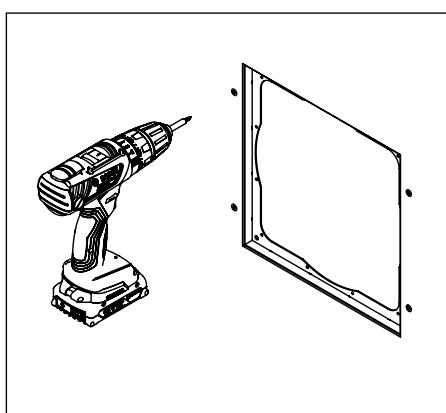
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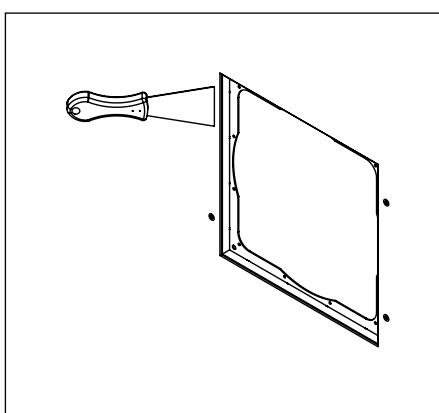
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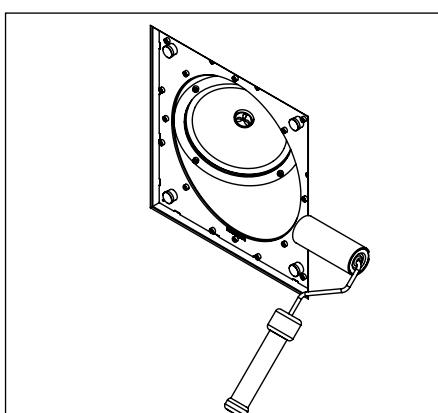
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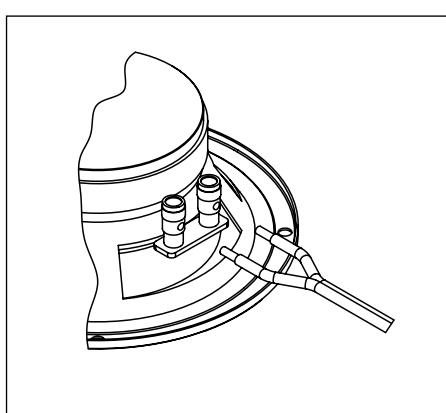
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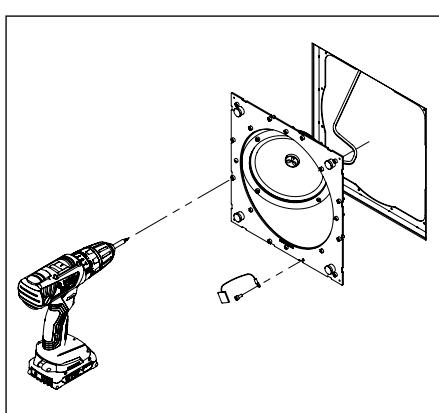
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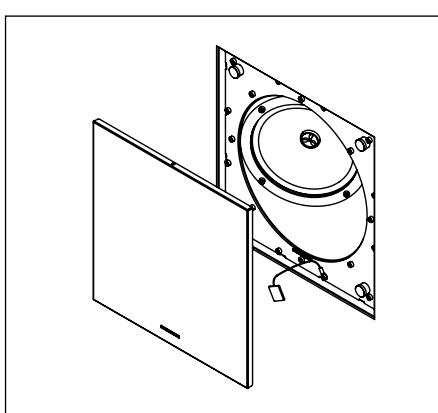
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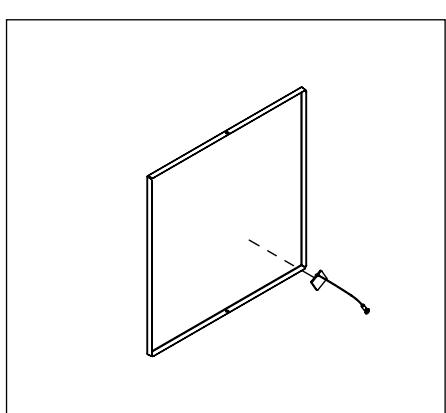
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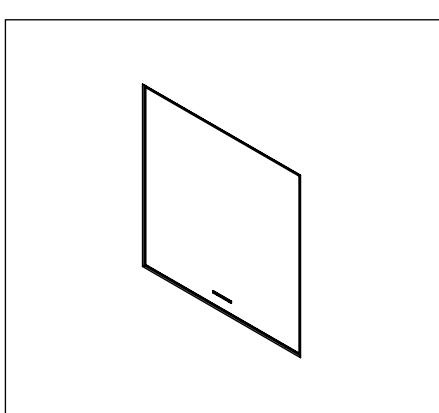
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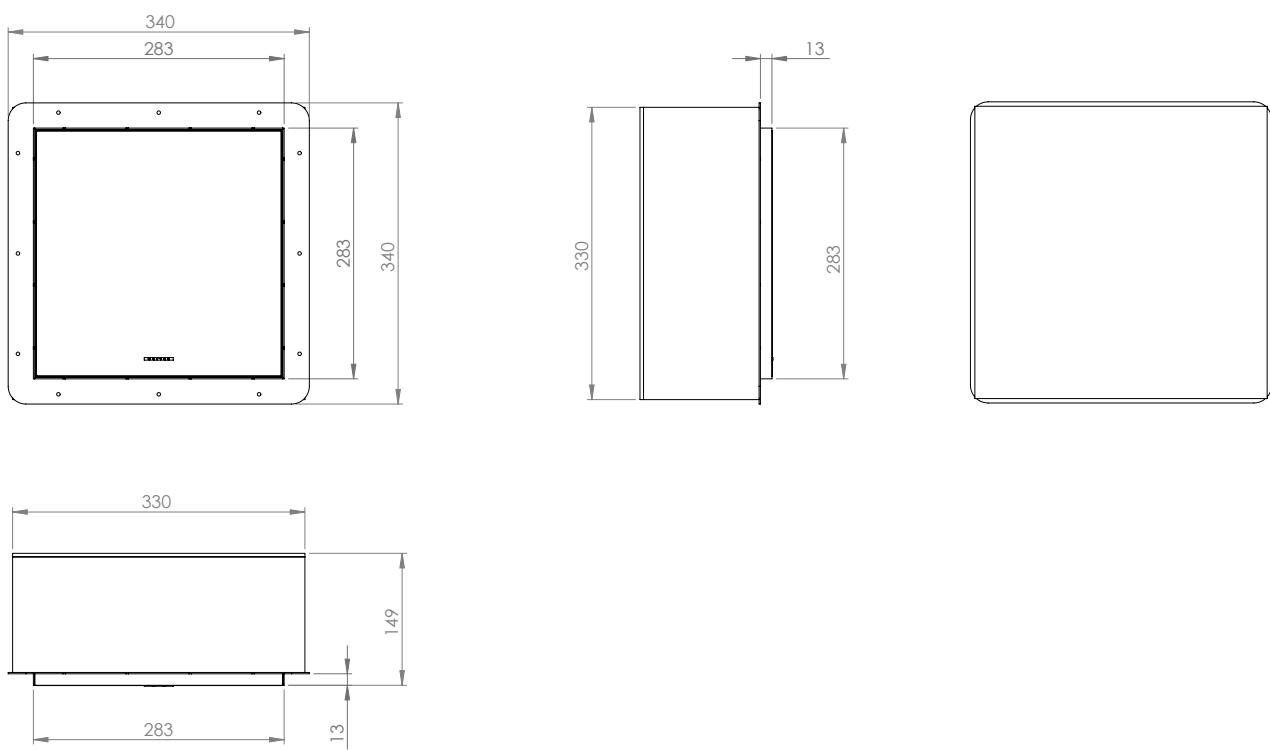
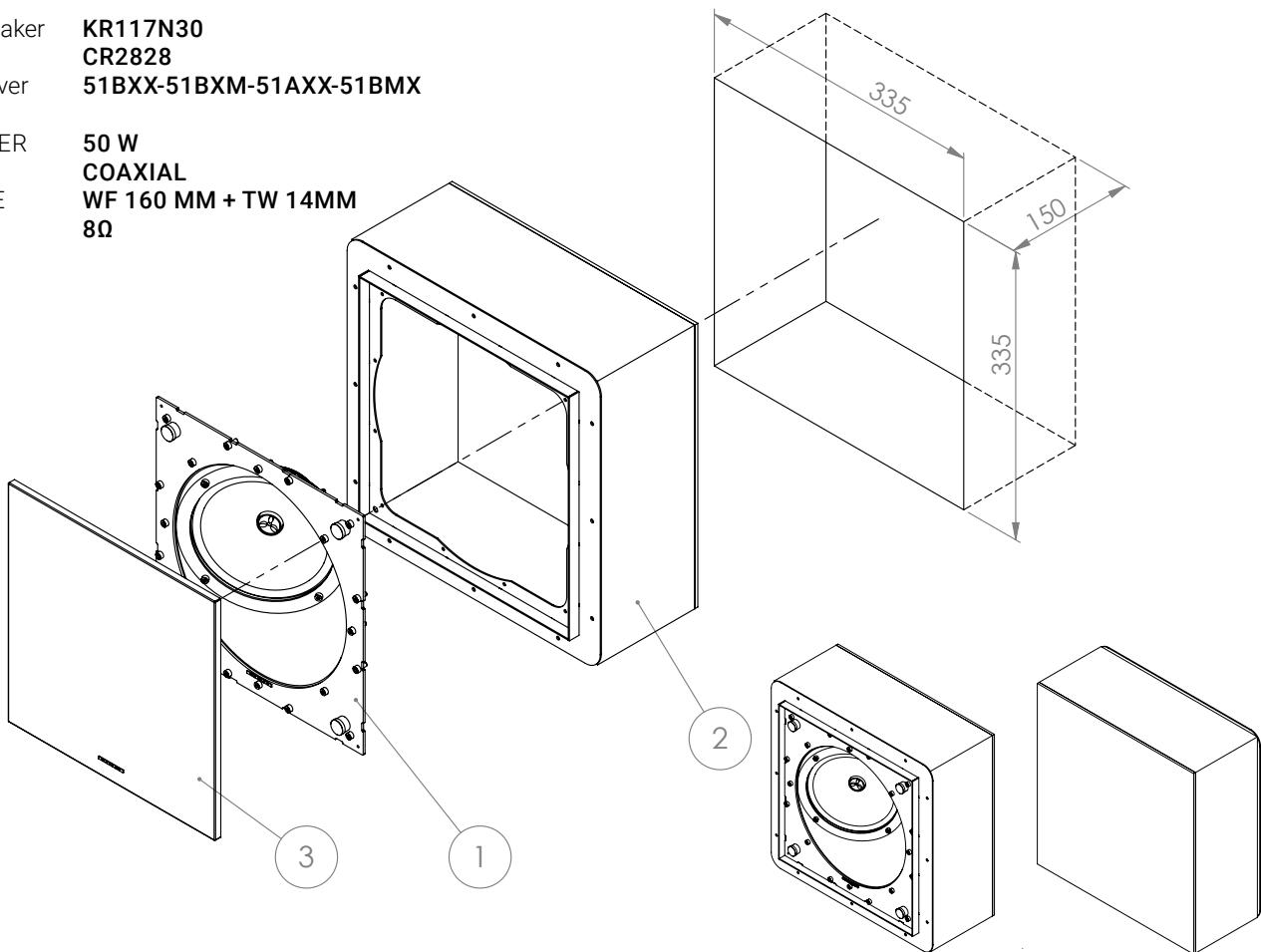
# KR117N30 / CR2828

## FLUSH-MOUNT™ CONCRETE WALL PRODUCT SHEET

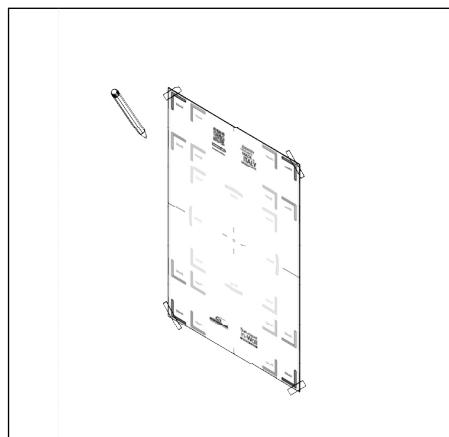
### FLUSH-MOUNT™ CODES

1 Loudspeaker **KR117N30**  
 2 Frame **CR2828**  
 3 Front cover **51BXX-51BXM-51AXX-51BMX**

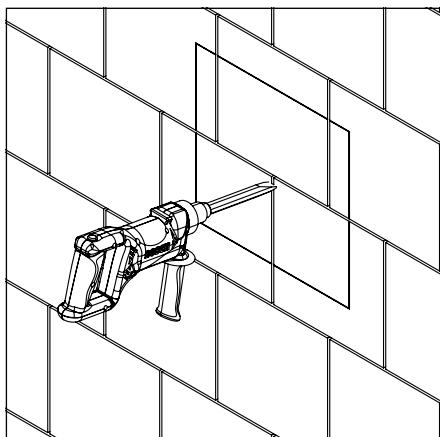
AES POWER **50 W**  
 TYPE **COAXIAL**  
 NOM. SIZE **WF 160 MM + TW 14MM**  
 NOM. IMP. **8Ω**



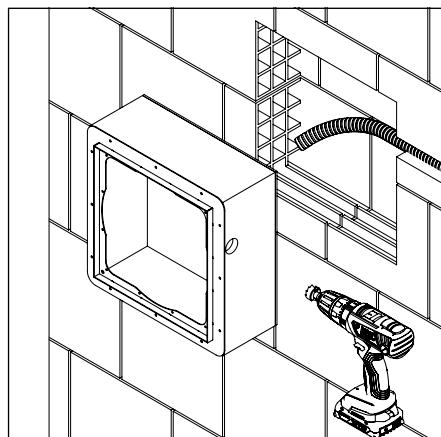
# INST. INSTRUCTIONS KR117N30 / CR2828 Flush-Mount™ Concrete wall



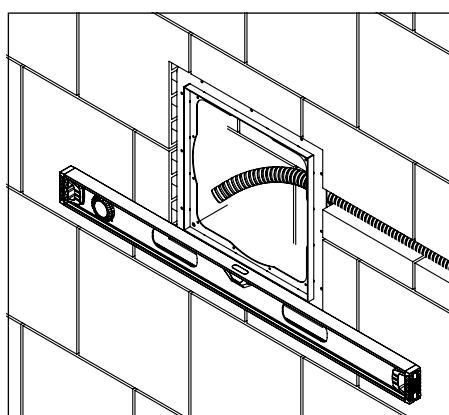
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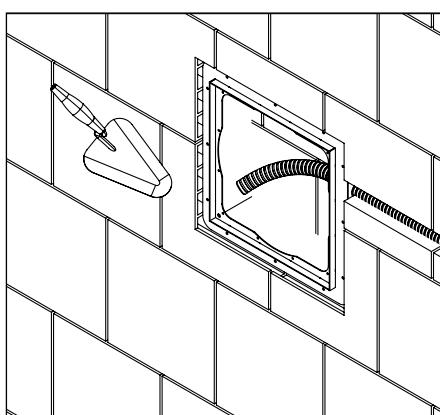
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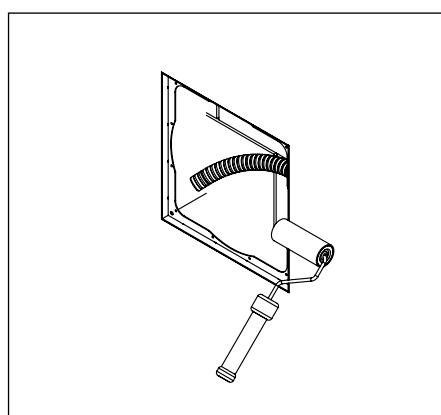
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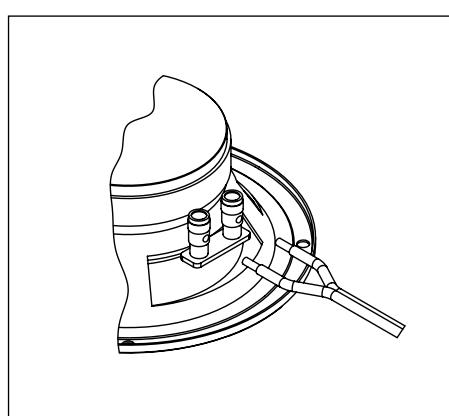
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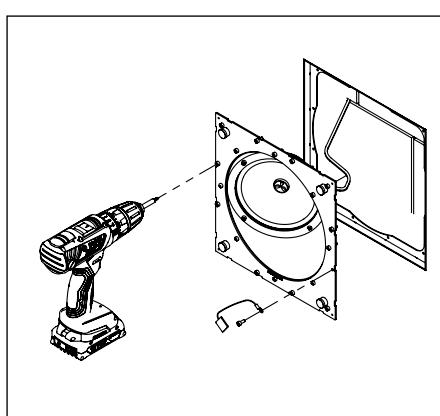
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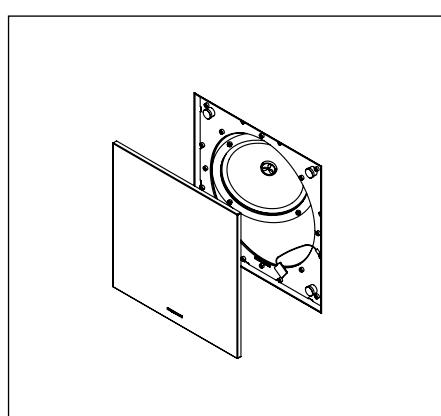
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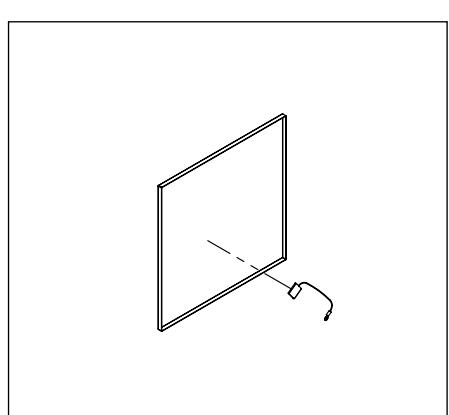
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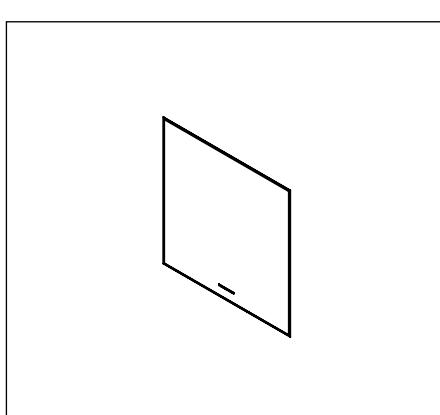
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