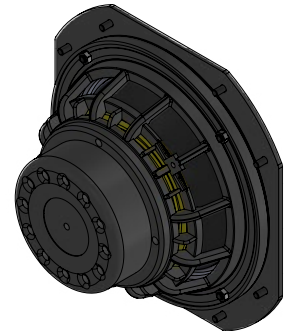
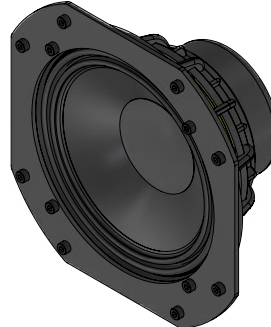
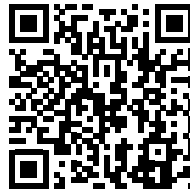




Plasterboard /  
Concrete wall



x4



**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

4x 6.5" (160 mm) in-wall and in-ceiling subwoofer speaker, 1200 W max, with dedicated mounting frame with G-Bass™ system to maximize low-frequency acoustic response, steel speaker frame and masonry and plasterboard installation backbox made of phenolic plywood + steel. This product supports FiloMuro™ wall installation, suitable for plasterboard and masonry walls. The 6.5" (160 mm) woofers speakers features a Neodymium magnet assembly, a treated cellulose cone, and a dual-wave rubber surround that allows very wide cone excursion for greater low-frequency extension. Connection to the amplifier is via spring-loaded terminals that can accommodate cables up to AWG11 gauge. The aesthetic cover is securely fastened by powerful neodymium magnets. The grille cover can be customized in various materials, including perforated steel that can be painted white or pre-painted according to RAL or NCS codes and even treated with galvanic effects. Fabric covers can also be used, available in a wide choice of textures and colors, as shown in Garvan's sample books.

## KEY FEATURES

**Powerful Performance:** 4 x 6.5" woofers with a total power handling of 1200W (600W AES), delivering exceptional low-frequency output.

**High Sensitivity:** 97 dB (1W/1m) and 103 dB (2.83V/1m), for outstanding efficiency and SPL up to 137 dB.

**Extended Bass:** Frequency response from 35 Hz to 200 Hz (preset), ideal for home theater or high-end listening rooms.

**Premium Materials:** Steel frame and phenolic plywood backbox, suitable for plasterboard and masonry walls.

**Flush-Mount™ Design:** Discreet integration into walls and ceilings with FiloMuro™ aesthetic.

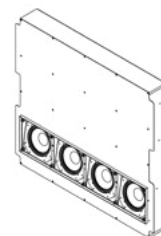
**G-Bass™ System:** Custom mounting system to enhance bass response and minimize vibration.

**Customizable Grilles:** Magnetic covers in painted steel, stainless steel, or fabric in a wide range of textures and colors.

**Professional Connections:** Spring-loaded terminals supporting cables up to AWG11.

**Easy Installation:** Supplied with a dedicated jig and optional accessories for optimal mounting and protection.

**Made in Italy:** Designed and manufactured with craftsmanship and attention to acoustic wellness.



<b>INSTALLATION NAME</b>	<b>Flush-Mount™ Concrete wall / Plasterboard</b>
Installation Type	In Wall / In Ceiling Speaker, TL Box
Surface Compatibility	Suitable for installation in Plasterboard, wooden panels, modular panel, and similar.
Installation Requirements	Required support thickness: 12,5-25mm _x0003_ Minimum required wall thickness: 130mm
<b>SINGLE LOUDSPEAKER PERFORMANCE</b>	
AES Power Handling	600W
Continuous Power Handling ***	1200W
Sensitivity 2,83V / 1m ****	103dB
Sensitivity 1W/1m ****	97dB
Calculated Maximum SPL @ 1m*	137dB
<b>TRANSDUCER</b>	
Type	Subwoofer
Nominal size	4x WF 160mm
Nominal Impedance	2Ω ( 4Ω+4Ω )
Loudspeaker EQ	Not required, Garvan Preset EQ, Filter and protection available
Recommended High-Pass Filter Protection	35 Hz with 48 dB/Oct. Hight pass Filter
Frequency Response (-3 dB)	35 Hz – 200 Hz **
Frequency Range (-10 dB)	30 Hz – 200 Hz **
Nominal Coverage Angle (1 KHz - 4 kHz)	
Nominal Coverage (1 KHz – 10 kHz)	
<b>PHYSICAL</b>	
Frame Material	"zinc-plated metal + phenolic multilayer wood"
Speaker support Material	Lacquered or galvanic metal support
Cover	Lacquered or galvanic metal Grille/ Brushed stainless steel Grille / Fabric covered frame.
<b>ENVIRONMENTAL FEATURES</b>	
Enviropment of Use	Indoor environments
Operating Temperature Range *****	
environmental protection.	

Connectors				Push connector, mounted on crossover and on speaker coax. Accepts 18 AWG (0.8 mm2) to 11 AWG (4,17 mm2) 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
MAINTENANCE				
Cleaning Method				microfiber cloth
General precautions				do not use harsh cleaning products
INCLUDED ACCESSORIES				
				Jig set
OPTIONAL ACCESSORIES				
Transformer for hight line voltage				TRT052 - 70/100V - 25/37/50W
Transformer for hight line voltage				TRT054 - 70/100V - 10/15/20W
Cover installation kit				GAR136
Sound-absorbing material kit for installation				
Cable size/load	8 ohm	4 ohm	2 ohm	
2 sq mm.	20m / 65ft.	10m / 32ft	5m / 16ft	
2,5 sq mm.	30m / 100ft.	15m / 50ft	7,5m / 25ft	
4 sq mm.	60m / 200ft.	30m / 100ft	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

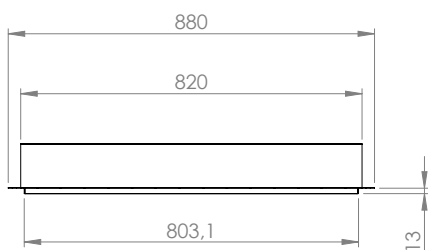
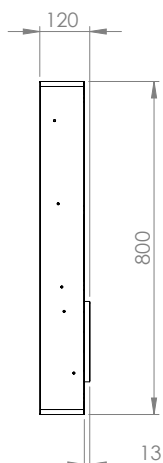
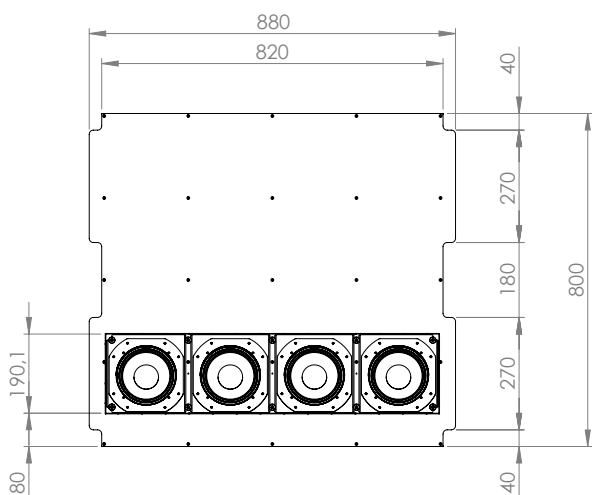
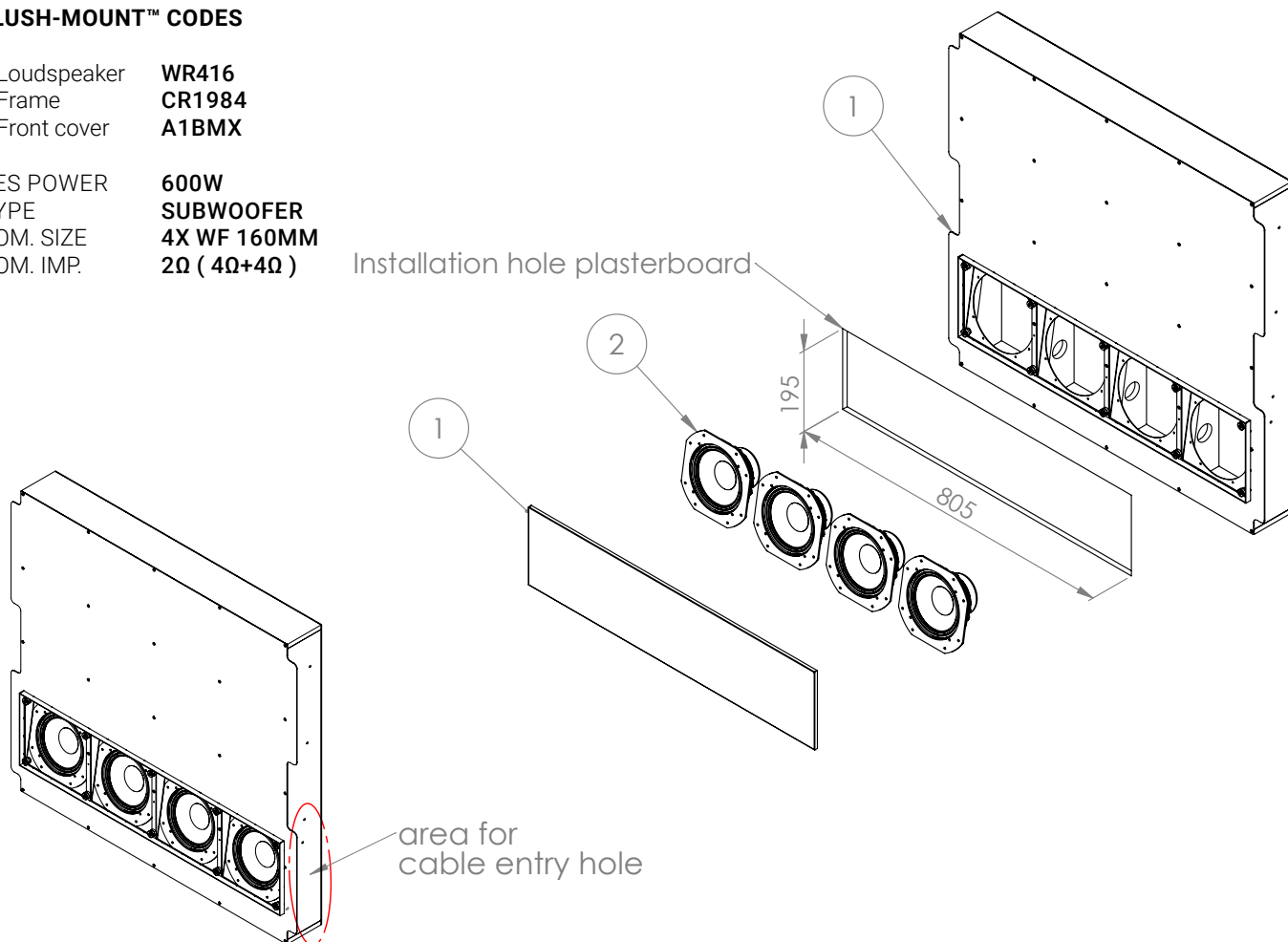
\*\*\*\*\* With dedicated ignition and maintenance process

### FLUSH-MOUNT™ CODES

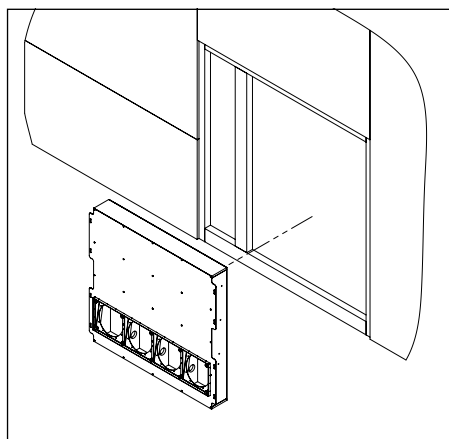
1 Loudspeaker **WR416**  
2 Frame **CR1984**  
3 Front cover **A1BMX**

AES POWER **600W**  
TYPE **SUBWOOFER**  
NOM. SIZE **4X WF 160MM**  
NOM. IMP. **2Ω (4Ω+4Ω)**

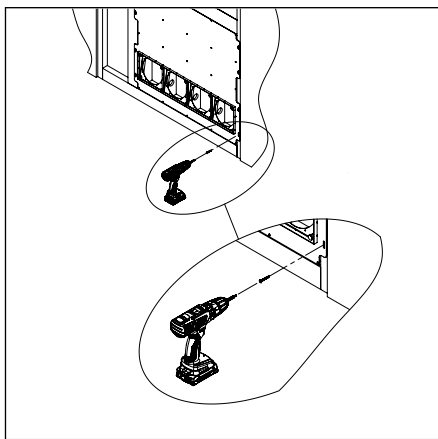
Installation hole plasterboard



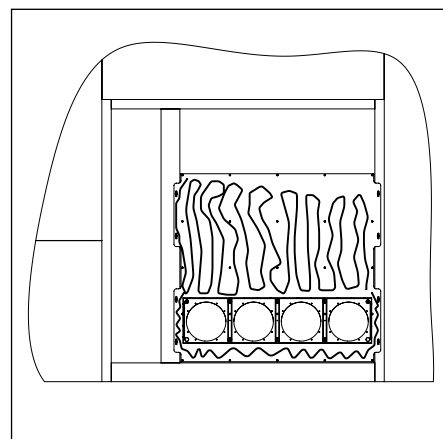
# INST. INSTRUCTIONS **WR416 / CR1984 FlushMount™ Plasterboard**



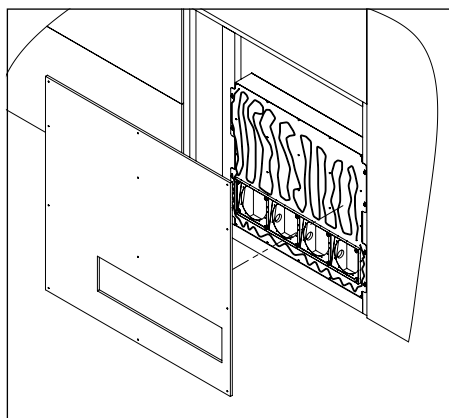
1 Jig set



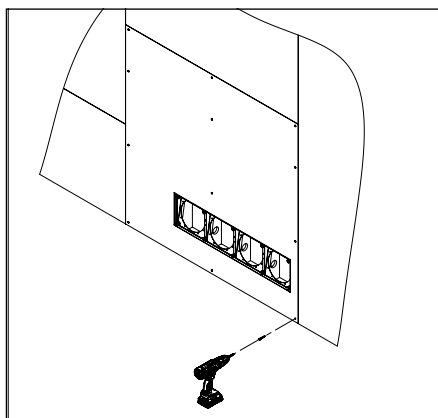
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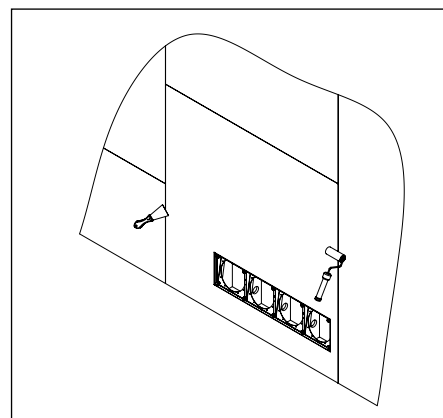
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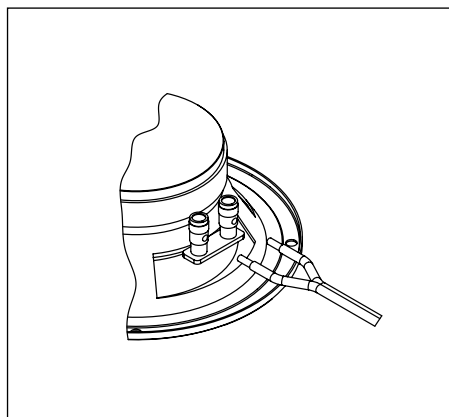
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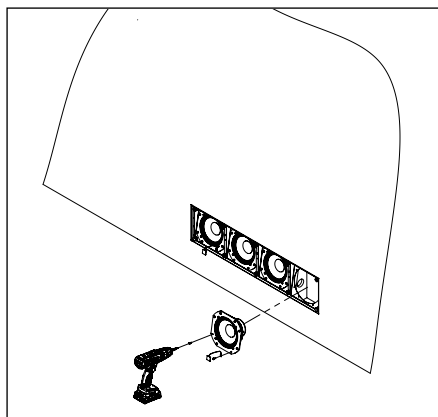
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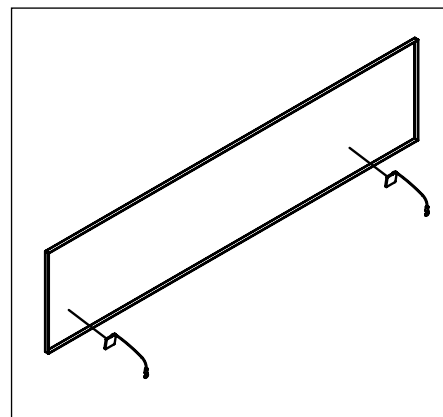
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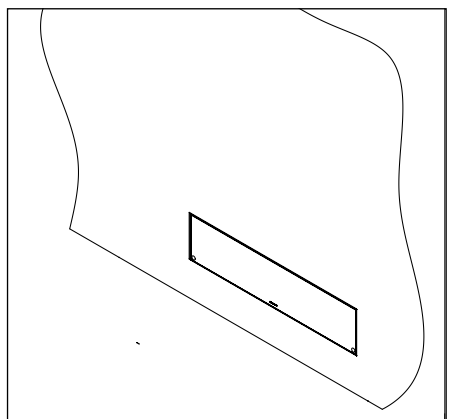
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