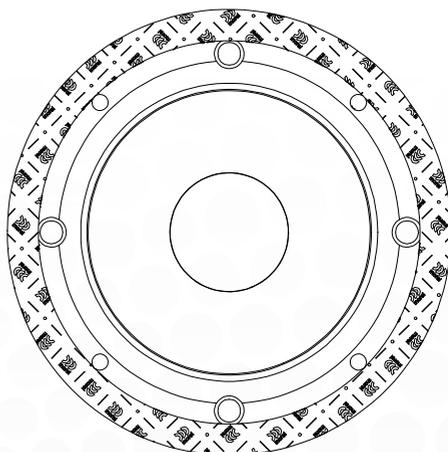
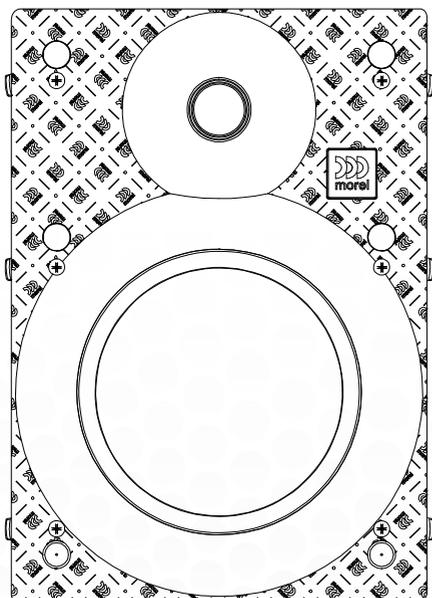




SOUNDWALL™ PRO



User Manual and Installation Guide

Introduction

Dear Customer,
Thank you for choosing Morel's SoundWall™ speaker!

These handcrafted speakers are uniquely designed and constructed to offer extraordinary sound quality for both stereo and home theatre applications. Properly installed SoundWall™ speakers will transform your musical and cinematic experience into true magic.

The information in this manual will help you get the best possible performance out of your speakers. If you have any questions, please contact your Morel dealer, or Morel Support at www.morelhifi.com

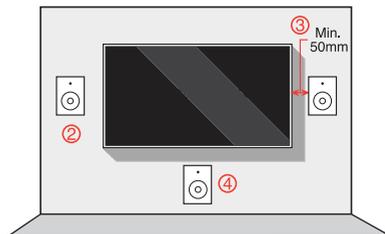
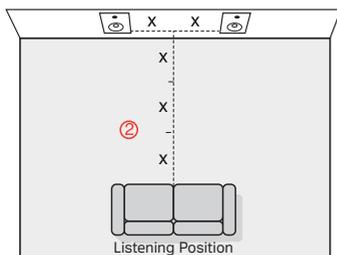
Speaker placement

The position of the speakers has a great effect on the quality of the sound and soundstage created. Here are some recommended guidelines that will assist you in the speaker placement process.

Morel SoundWall™ speakers are designed to work well in both small and large rooms.

Regardless of the application you may require it is recommended to make sure there are no objects that may block the area between the listener and the speakers.

Before installing the speakers consider the proximity to the electricity and other fixtures.



Recommended speaker placement for stereo application

Ideally:

- 1 The tweeter should be at ear level
- 2 The distance between the speakers is $\frac{2}{3}$ the distance from the wall to the listening position.
- 3 Aim to set the speaker as close as possible to this diagram for optimal performance

Recommended speaker placement for home theatre

- 1 Place the speaker on either sides of the flat panel screen
- 2 The speaker should be centered to the flat panel screen
- 3 The distance between the edge of the flat panel screen and the speaker should be minimum 50mm
- 4 Place the center channel just below the lower edge of the flat panel.

If additional speakers are desired - they should be placed at the same height as the main frontal speakers (if positioned on the side walls)

Installation preparation

Insulating the Wall Cavity

To achieve the very best from your loudspeakers we recommend you fill the wall cavity behind the speakers with fibre-glass insulation / Rockwall. It is important to try and keep the same amount of insulation material for each speaker to receive a true consistent bass response.

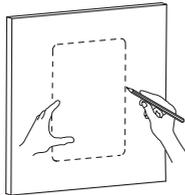
Install insulation also in the bays adjacent to the speaker location to reduce the noise produced by unsupported drywall. If in doubt, please consult your dealer / installer.

Back Box

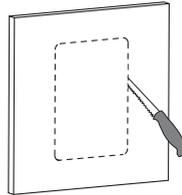
Morel's SoundWall™ speakers infinite baffle design allows you to place them in the wall cavity without the need for an enclosure. Nonetheless, in order to reduce sound transmission to other rooms it is recommended to use a back box / enclosure.

In-Wall installation

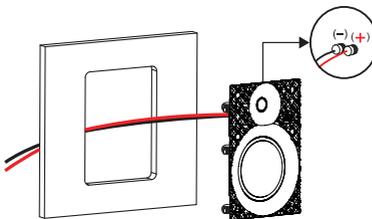
- 1 Marking the wall bracket location using the cardboard template (make sure there is no stud at the back of the drywall)



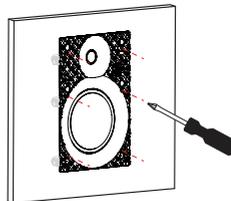
- 2 Cut the wall gently



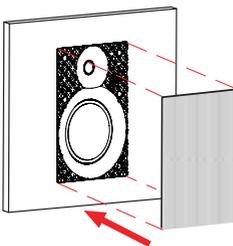
- 3 Connect the cable to the speaker inputs (+) to (+) and (-) to (-)



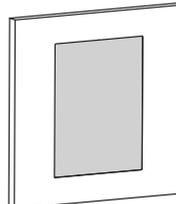
- 4 Use a screw driver to secure frame in the wall



- 5 Set the grille

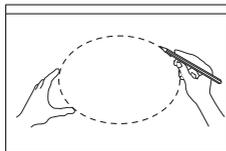


- 6 All done!

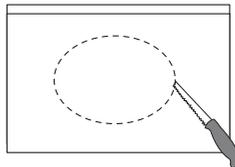


In-Ceiling installation

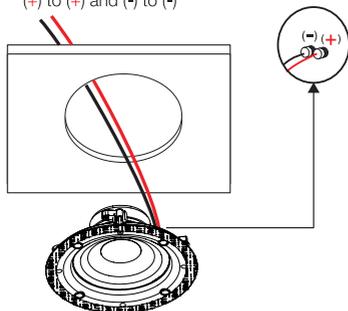
- 1 Marking the wall bracket location using the cardboard template (make sure there is no stud at the back of the drywall)



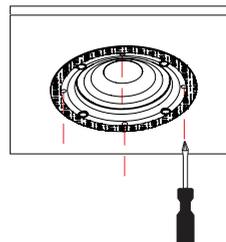
- 2 Cut the wall gently



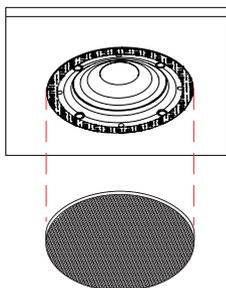
- 3 Connect the cable to the speaker inputs (+) to (+) and (-) to (-)



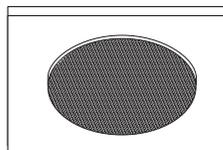
- 4 Use a screw driver to secure frame in the wall



- 5 Set the grille



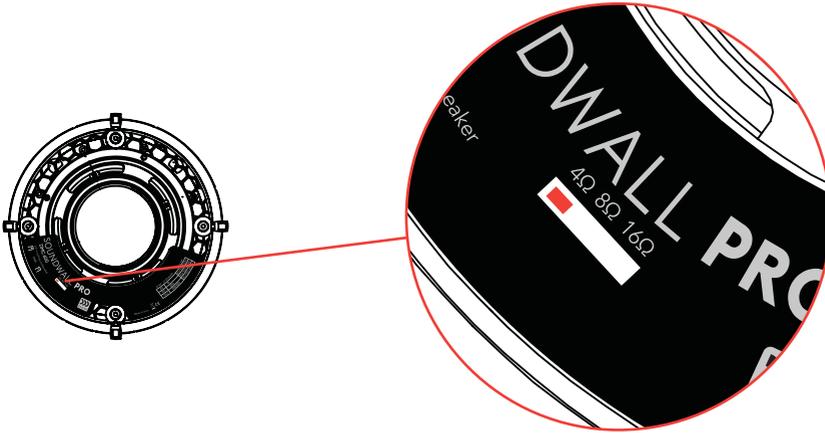
- 6 All done!



Speaker connection

Connection

High-quality in-ceiling loudspeaker with adjustable impedance featuring multi-speaker parallel connection option, keeping maximal sound quality



To connect the speaker in parallel move the switch at the back according to label below

SWITCH POSITION	NUMBER OF SPEAKERS	TOTAL IMPEDANCE
4Ω		4Ω
8Ω		4Ω
16Ω		4Ω
		4Ω

Specifications

Specifications	DMW 600	DMC 600	DMC 800
Construction	Front plastic ABS frame	Front plastic ABS frame	Front plastic ABS frame
Drive units	<p>Woofer: 6.5" pp protected cone, 25mm voice coil, ferrite magnet motor.</p> <p>Tweeter: 25mm voice coil soft dome, neodymium magnet motor</p>	<p>Woofer: 6.5" paper cone, 25mm voice coil, ferrite magnet motor.</p> <p>Tweeter: 22mm voice coil soft dome, neodymium magnet motor</p>	<p>Woofer: 8" pp protected cone, 28mm voice coil, ferrite magnet motor.</p> <p>Tweeter: 25mm voice coil soft dome, neodymium magnet motor</p>
Nominal impedance	4/8/16 Ω	4/8/16 Ω	4/8/16 Ω
Sensitivity 2.83V/1M	89dB(4Ω), 86.5dB(8/16Ω)	90dB(4Ω), 87dB(8/16Ω)	91.5dB(4Ω), 89dB(8/16Ω)
Power handling	100W	80W	100W
Operating power	20-100W	10-100W	10-120W
Crossover	3,500Hz/12dB	3,500Hz/12dB	3,500Hz/12dB
Frequency response	40-20,000Hz	45-20,000Hz	35-20,000Hz
Grille	Metal - water resistant E-Coating	Metal - water resistant E-Coating	Metal - water resistant E-Coating
Overall exterior grille dimensions (WxHxD(ø))	8.4"x11.8" (212x300mm)	8.9" (228mm)	11.1" (282mm)
Cut out dimensions (HxW/ø)	7.3"x10.7" (185x273mm)	8.1" (206mm)	9.7" (246mm)
Mounting Depth	3.15" (80mm)	3.15" (80mm)	3.9" (100mm)
Grill Finish	paintable white	paintable white	paintable white

- Morel operates a product design improvement policy consequently specifications are subjects to alterations without prior notice



Morel, Ness Ziona, 70400 Israel.

Tel: +972-8-9301161

Fax: +972-8-9301312

E-mail: info@morelhifi.com

www.morelhifi.com

Morel America, Chandler, AZ, USA

Toll free number:1-877-667-3511

Fax: 1-718-721-1560

E-mail: info@morelamerica.com