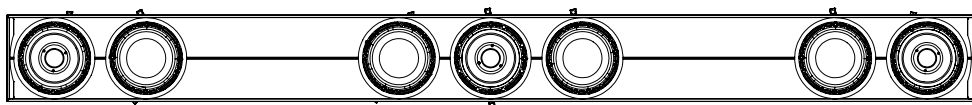




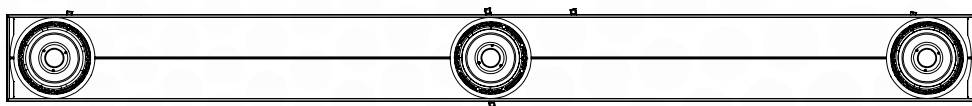
SoundWall™

MODULAR LCR IN-WALL SYSTEM

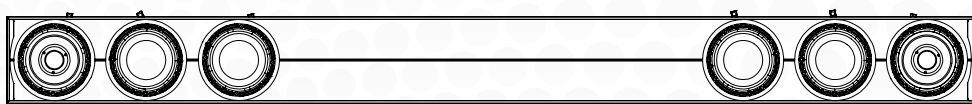
LCR4 SW



LCR4



STEREO04



User manual and installation guide

Introduction

Dear Customer,
Thank you for choosing Morel SoundWall™ modular LCR in-wall system.

The MODULAR LCR IN-WALL SYSTEM is made to offer maximum design flexibility for home theatre and stereo applications. Its innovative modularity and installation concept, allows seamless integration in any living space, eliminating the need for a complex and costly installation process.

Please carefully follow the installation process within this guide to achieve optimum performance from your new speaker system. Should you need further assistance please contact your local dealer or morel - www.morelhifi.com.
We wish you years of musical enjoyment.

Models

LCR4 SW HOME THEATRE 1



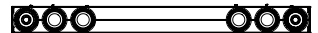
Home Theatre 1 configuration incorporates three Integra (IC-4MI) units for each channel, two bass woofers (IC-4MW) for the centre channel and two more bass woofers (one for each L/R channels). To complete a 5.1 system, it is recommended to add two Integra units as rear speakers and an active subwoofer (in-wall or external).

LCR4 HOME THEATRE 2



Home Theatre 2 configuration incorporates three Integra units (IC-4MI) for a full range performance. To create a 5.1 system, it is recommended to add two more Integra units as rear speakers and an active subwoofer (in-wall or external).

STEREO 4



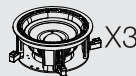
Incorporates two Integra units (IC-4MI) and four of the bass woofers (IC-4MW) to offer a rich stereo presentation for TV dialogue and music.

Package Content

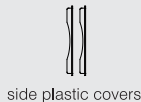
LCR SW HOME THEATRE 1



LCR HOME THEATRE 2



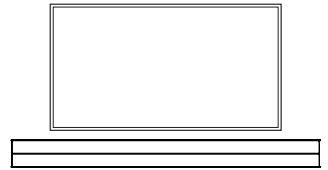
STEREO



SoundWall™ MODULAR LCR IN-WALL SYSTEM Installation (for plaster/dry wall)

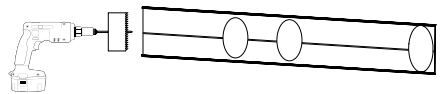
1 Panel placement

1. Once screen location is assigned, find the wall studs along the wall and verify that there are no electrical wires, gas or plumbing pipes located across the wall.
2. Trim the edge of the panel (model # LCR4-160P) to meet the width of the screen. Make sure to cut 0.125CM (1/8") shorter to account for the panel trim piece.
3. The Panel is recommended to be placed at a minimum distance of 3/4" (2CM) from the edge of the screen.
4. Peel the double sided tape from the back of the panel and press it against the wall. Make sure to use a level to ensure that the panel is glued on to the wall straight.

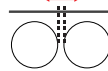


2 Placement of modules

1. The in-wall system was designed to accommodate asymmetrical location of the modules in order to accommodate studs location in the wall.
2. Based on the installed product configuration, it is highly recommended to place the Integra units equidistant from one another (as much as possible) and Left and Right modules should be placed at the edges of the panel. This will ensure a wide stage and accurate sound imaging.
3. Bass woofers can be placed at a minimum of 1" from the Integra modules.
4. Once the location of the modules is set, use the included drill bit cup to drill the holes through the panel and the wall. Make sure you are placing the drill bit on the centre line of the panel to ensure accuracy. Drill slowly and with mild pressure.



At least 1" (2.54cm)



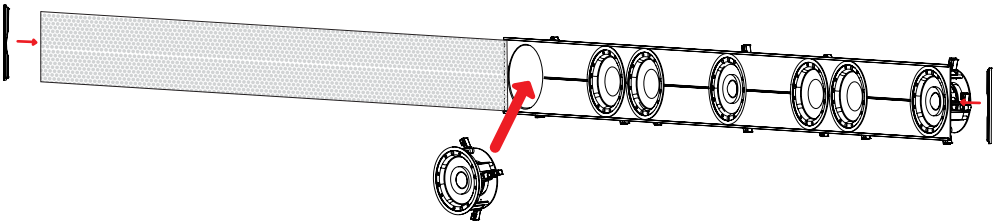
5. Pay Attention!
The distance between holes should be more than 1".

3 Wiring the system

1. Use the wiring guide in this manual to determine how many wires need to be run for the speakers.
2. In retro-fit installations, after holes for the modules have been made, drill additional holes through the studs to pass-through the wires to the modules. Another option is to create a 2.54CM (1") tunnel through the wall prior to panel attachment to the wall.
3. In new construction, pre-wire the location of the in-wall system based on the appropriate wire diagram.

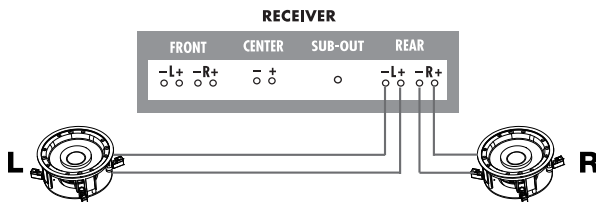
4 Installing the modules

1. Connect wires to the appropriate modules making sure that all connections are secure and the polarity of the wires are correct.
2. Insert the modules into the appropriate holes and tighten screws around the modules slowly, making sure that the modules are tight. Be aware that over torquing can strip the screw of the modules and can hamper the ability to disassemble the modules from the panel.
3. Once all modules are in place, insert the mesh grille along side the tracks of the panel and close the end of the panel with the provided end-cap trim.



5 Rear speaker installation

1. Choose proper location for the rear speakers (see below). Mark the centre of where you would like to install the speaker unit.
2. Ensure proper wiring is made from speaker location to the receiver/amplifier.
3. Place the provided drill bit cup on the marked centre point and drill a hole.
4. Connect wires to the appropriate terminal making sure that all connections are secure and the polarity of the wires are correct.
5. Insert the module into the appropriate hole and tighten screws around the module slowly, making sure that the modules are tight. Be aware that over torquing can strip the screw of the modules and can hamper the ability to disassemble the modules from the panel.



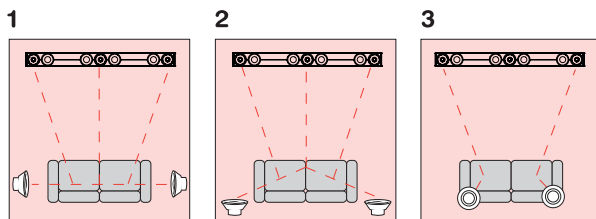
5.1 Home Theatre System

Rear speakers

The IC-4MI Integra modules can be used as rear speakers and can be installed in ceiling or on wall, depending on the preference. Using these modules will provide tonal accuracy and match the front channels.

SoundWall™ MODULAR LCR IN-WALL SYSTEM can be installed in three positions “for real fill”:

1. On the side of the listener position.
2. Behind the listener position.
3. Above the listener position.



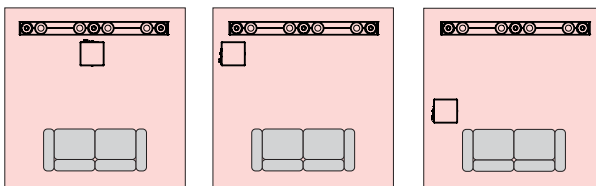
Subwoofer placement

Morel offers a wide range of active subwoofers that can be selected to complete the 5.1 system.

The subwoofer location can be at:

1. The front of the room in the centre
2. On either side (make sure to set up the phase of the subwoofer to 0 degrees)
3. At the back of the room (make sure to set up the phase to 180 degrees).

Be aware that different subwoofer locations will create a different bass effect.



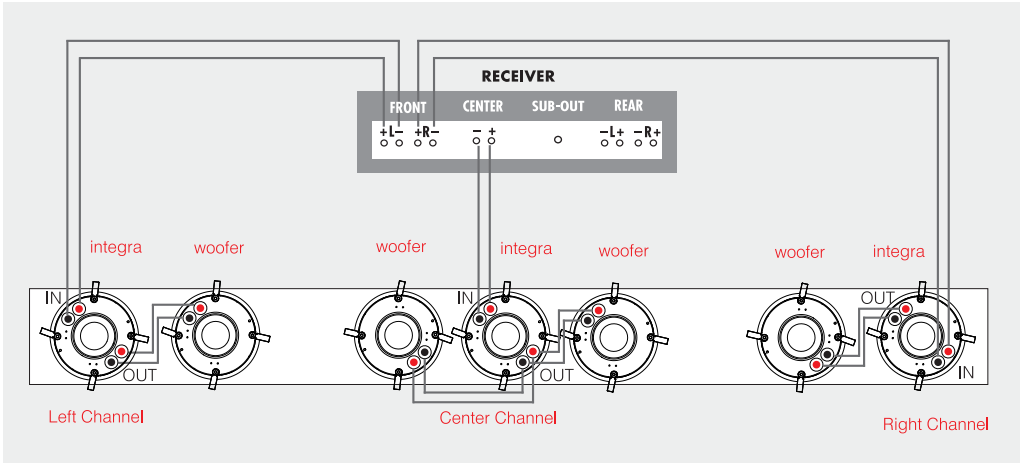
Please check our installation movie on-



Wiring

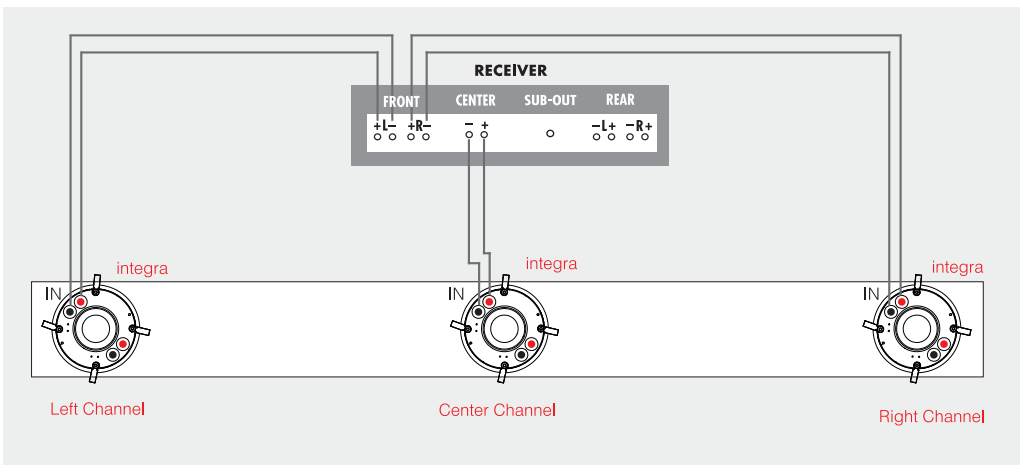
LCR4 SW HOME THEATRE 1

Strong Center + Good Stereo Performance (Internal Passive Woofers)



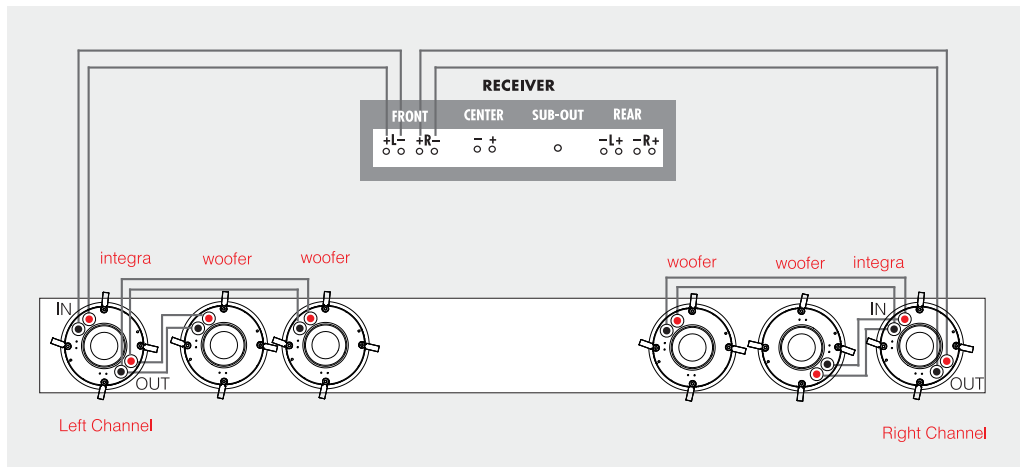
LCR4 HOME THEATRE 2

Left Right Center (External Active Subwoofer)



STEREO

Best Stereo Performance



Back-boxes and wall treatment

The SoundWall™ modular LCR in-wall system was designed to work in an infinite baffle environment. It is recommended to use extra insulation in the space behind the modules (make sure to use same amount of insulation across the panel) to absorb some of the low frequency acoustic energy emitted by the speakers. It will reduce the sound transmission to other rooms and improve the bass response.

Back boxes can be created for the modules based on the configuration that was chosen.

Specifications

	INTEGRA 4" IC-4M I
Master Crossover	180Hz 6dB highpass, 150Hz 12dB lowpass (available only in master unit)
Drive units	Integra: 4" driver with 2.1" high temperature aluminum Hexatech™ voice coil, neodymium magnet motor. Tweeter: 1½" (28mm) soft dome, driven by a neodymium magnet motor
Nominal impedance	4 ohm
Sensitivity 2.83V/1M	88dB
Power handling	80W (RMS)
Weight	0.4Kg (0.97lbs)
Crossover	2,300Hz 12dB
Frequency response	100-20,000Hz (±3dB)
Overall dimensions (D,H)	5,3Ø ,3,15" (135Ø ,80mm)
Cut Out Dimensions	Ø125mm (4.92")
Mounting Depth	85mm (3.34")
Finish	White

	BASS / SUB 4" IC-4M W
Master Crossover	Parallel connection, 4 ohm impedance
Drive units	4" driver with 2.1" high temperature aluminum voice coil, neodymium magnet motor, high lowercase ±6mm
Nominal impedance	4 ohm
Sensitivity 2.83V/1M	84dB
Power handling	80W (RMS)
Weight	0.56Kg (1.23lbs)
Frequency response	40-3000Hz (±3dB)
Overall dimensions (D,H)	5,3Ø ,3,15" (135Ø ,80mm)
Cutout Dimensions	125mm (4.92")
Mounting Depth	85mm (3.34")
Finish	White

* Morel operates a product design improvement policy. Specifications are subject to alterations without prior notice

