

APart



MANUAL



CMRQ108

Elegant and very natural sounding in-wall/in-ceiling speaker.

Elegant & Natural

The APart CMRQ108 is an elegant and very natural sounding in-wall/in-ceiling speaker. It easily outperforms most standard cabinet speakers, both in sound quality and appearance.

Easy to integrate in high-end audio chains, cinema surround systems or even high quality BGM systems, this speaker offers a soundstage, unheard in this price range.

Due to the narrow visible mounting flange and paintable detachable steel grilles, the speakers can be integrated very discretely in even the most demanding environments, in your living room, connected to your multiroom system, hifi or cinema surround audio system...side by side to your flatscreen TV.

Turn your living room walls into a wall of sound, at the highest possible hifi standards, exactly there where you feel at home.

Recommended applications

- **Multi Room audio systems.**
- **Home Theatre systems.**
- **Lounges, Bars, Boutiques.**
- **Board rooms & Offices.**
- **Convention Centres, Hotels, sports facilities.**



CMRQ108 has a 6.5" bass-mid speaker with a DuPont® Kevlar cone and a low loss rubber surround. This guarantees highest possible definition and lowest sound coloration. High frequencies are covered by a tiltable 1 inch silk dome tweeter, carefully matched and tuned to deliver an amazing and detailed sound, without the harshness commonly found in cheap metal alloy domes. The treble contour can be adjusted in 3 steps to suit your personal preferences.

CMRQ108 is 8 ohms standard, and can easily be switched to 12 ohms. This way you can use two speakers in parallel on one amplifier channel, giving a total load impedance of 6 ohms. This load impedance is standard for most surround receivers.

Mounting is easy and straightforward. The speaker clamps accept wall thickness of 0 to 28 mm. By using our optional in-wall mounting frame, you can install the speaker even in solid brick walls. Speaker cables are securely clamped in the gold plated cable connectors, accepting thick speaker cables up to 6 mm².

The CMRQ speakers are not magnetically shielded, this is not necessary unless you install them close to a CRT screen. Flatscreens, the ideal partners for the CMRQ speakers, are insensitive to magnetic fields. Instead we have invested in solid gold plated speaker wire terminals, a carefully tuned crossover with high quality components, solid steel speaker grille and of course top notch quality drivers. You will hear the difference !



Speaker positioning

Ideally, you should position the speakers on ear level or above, never below, with the tweeter on top. When the speakers are positioned far above the listening position (more than 60 cm), pivot the tweeter and aim it towards the listening position.

Avoid the presence of wall corners, because these will augment reflections and low frequencies, causing an unstable stereo image and boomy bass.

If possible, mount the speakers close to the sides of your flatscreen TV, about 1.5 meters or more apart from each other, depending on screen size and listening distance. In general, the listening position and the left and right speaker should form an equilateral triangle and the speaker should be positioned halfway the screen or slightly higher.

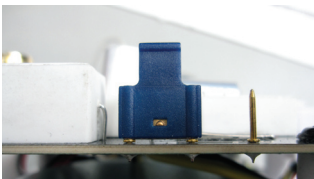
For hifi setups, mount the speakers between $\frac{1}{2}$ and $\frac{2}{3}$ of total wall height, for walls up to 3 meters height, and stay at least 50 cm clear of adjacent walls and the ceiling.

If necessary, the speakers can also be positioned 'lying on their side', with the tweeters pointing outwards, however, stereo image is more precise when mounting the speakers with the tweeters pointing upwards. You can also mount the speakers in a ceiling if necessary.

Mounting instructions

Recommended minimum installation volume: 7 liters. By using our optional in wall speaker frame/cabinet, the optimum cabinet volume is guaranteed, however, there is no upper volume limit. When the speaker is installed in a space with hard materials, such as bricks or concrete, additional cavity damping may be required. Suitable materials are mineral insulation materials, such as rockwool, or BAF (bonded acetate fibre). Hard foam materials such as polystyrene and other polyfoams are not suitable. Make sure the damping materials used meet all fire and building requirements. Check that there are no obstacles such as electrical tubes, wires or other pipes behind the speaker. Make sure the area behind the speaker is free of dust and small particles, such as small stones because these particles can damage the vented magnet system of the speaker. In cases of doubt, protect the rear of the speaker with a small amount of BAF wadding.

Impedance



Impedance selection jumper located at the rear of the speaker. Position the jumper according to the required impedance, 8 or 12 ohms.

Treble contour



The treble contour can be adjusted in 3 steps to suit your personal preferences

To make grille removal easier, a special grille removal tool is supplied with the speakers. Insert the tool end in a grille hole located at the corner of the speaker and gently pull the grille out. Repeat this step on all corners until the grille is entirely free. Do not attempt to pull out the grille by pulling one side of the grille only, this may cause damage to the grille or the frame. Keep the tool at hand in case you need to remove the grille.

Be extra careful when positioning the tweeter: do not touch the tweeters membrane.



General technical specifications

Speaker type	in-wall/in-ceiling, two way hifi.
Bass-mid speaker	6.5' DuPont® Kevlar cone
Tweeter	1' soft dome, pivotable within approx 25 degrees in all directions
Nominal impedance	8 ohms (can be switched to 12 ohms)
Recommended amplifier power	15 to 120 watts per channel
Tweeter level adjustment	3 level treble contour switch
Crossover frequency and slope	3000 Hz, 12 dB/oct
Frequency range	45* – 25000 Hz
Sensitivity	87 dB spl (2.83V/1m)
Dimensions outside H x W	296 x 196 mm
Cutout dimensions H x W x D	272 x 172 x 78 mm
Accessories supplied	grille removal tool, build-in template

**low frequency limit depends on room size, backspace volume, damping, proximity of adjacent walls etc...*

ANY SUGGESTION?

**They are well appreciated and eventually rewarded!
Send your ideas or suggestions to**

suggestions@apart-audio.com

Company names, product names, and names of formats etc. are the trademarks or registered trademarks of their respective owners.

© 2009 APart-Audio specifications subject to change without notice.

CMRQ108 is developed by

Audioprof nv
Lanteerhofstraat 90
BE-2100 Deurne
BELGIUM

