M&K Sound X12+ Subwoofer Review

Two subwoofers for the price of one. by Doug Pyper Saturday at 7:18 AM

Discussion (25) Review Specs

HOME AV review 🚺 DIY Home Cinema Build

• Hi-Fi ■ M&K MK Sound Subwoofer



HiFi



avforums M&K SOUND X12+ SUBWOOFER (2022) M&K Sound X12+ Subwoofer Review

redesigned drivers and beefier amplifier than that on the previous X12 add up to a subwoofer that can fill most rooms with plenty of high-quality bass. At nearly £4,000 though, that quality comes at a high price.

Pros Cons Sounds fantastic Expensive THX Ultra certification Not the prettiest sub No room correction

The M&K Sound X12+ makes another fine addition to the company's long history of excellent subwoofers. The



SRP: £3,995.00

Design

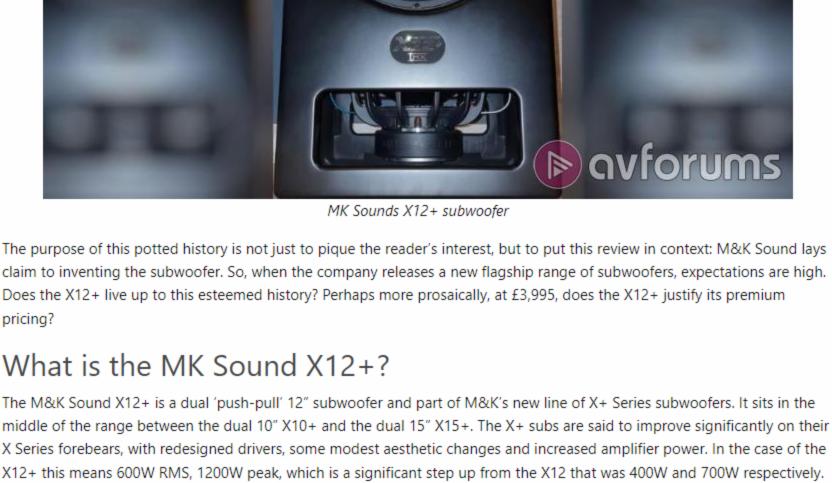
Introduction to M&K Sound

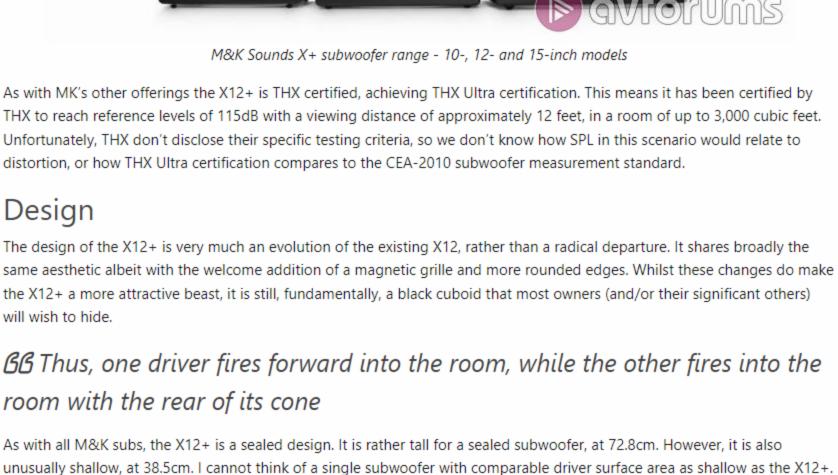
Shallow form factor

- In the 1960s Ken Kreisel designed a low frequency woofer to supplement the frequency response of electrostatic speakers
- sold by his then business partner, Jonas Miller. Not long after, in 1973, Steely Dan invited Kreisel to bring his novel woofer to the studio, to help with their third studio album, Pretzel Logic. Kreisel's subwoofer became the first ever to be used in a

No app

- studio. From that, the subwoofer-satellite concept was born (originally dubbed by Kreisel as 'David and Goliath'), and Miller
- and Kreisel became part of home cinema history. The original company owned by Miller and Kreisel is, of course, no more, but its legacy has been living on and thriving through the Danish-owned M&K Sound.





space. M&K Sound also point out that, if these subs are used in recording studios, the reduced depth will allow for more leg room under mixing consoles. Perhaps the most visually apparent change to the design comes in the form of shiny new silver drivers. The drivers were redesigned to handle the increased power capabilities of the X+ Series amplifiers and are constructed from carbon fibre, sandwiching a foam inner layer. M&K states that the new cones are stronger, stiffer and lighter than those on the previous X Series.

depth means the sub can be integrated more easily into shallow screen walls or, if freestanding in room, will take up less floor

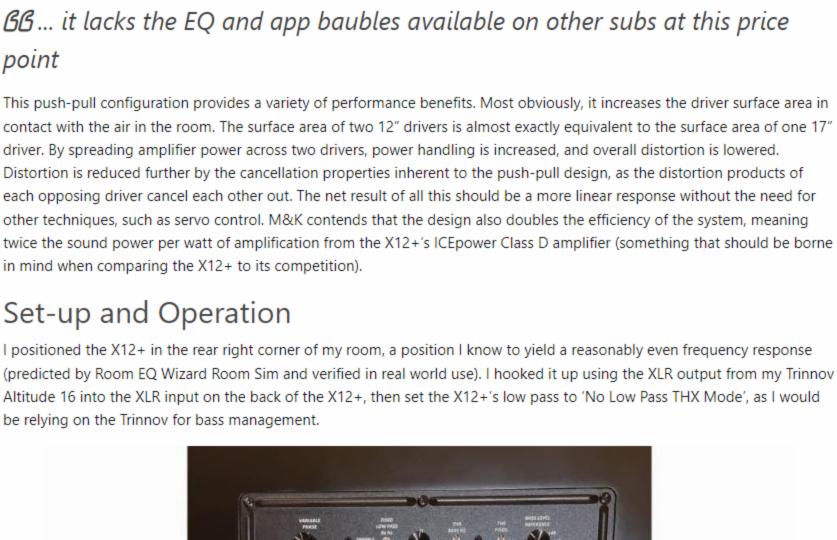
Clearly M&K have decided that added height is a worthwhile compromise in return for reduced depth, while retaining the same box volume. That's a shrewd move from MK, which sells heavily into the custom installation market. The shallower

M&K X12+ subwoofer

Of course, one of the X12+'s more noteworthy design features is not the driver you see, but the fact that driver is coupled with another identical, bottom-mounted driver, that faces into the cabinet. These push-pull compound loading designs have long been a staple of MK Sound's higher end subwoofer range. The drivers are wired electrically out of phase, which means that when one driver is moving away from its magnet the other is moving towards its magnet, in the exact opposite position.

Thus, one driver fires forward into the room, while the other fires into the room with the rear of its cone.

▶ avforums





M&K Sounds X12+ subwoofer - rear connections and controls The X12+ gives users the choice between 'THX Bass EQ' mode and 'Anechoic MK EQ', the difference being that the former

rolls off at -6dB at 20Hz and the latter -12dB at 20Hz (both measured free field). Naturally, I selected 'THX Bass EQ' mode,

many people would spend £3,995 on a subwoofer to then neuter its low frequency extension.

Atmos track. I was keen to hear how it would sound with the X12+, and boy did it sound good!

BB...it can't counter the laws of physics

X12+ through its paces.

Performance

Conclusion

Should I buy one?

M&K Sound X12+ Subwoofer Review

which I expect the vast majority of users would opt for. The Anechoic MK EQ mode is said to be intended for those with small rooms, where less low frequency extension might be desirable. It seems a relatively pointless option, as I very much doubt

The controls on the back of the X12+ are basic. Many subwoofers at this price point feature some form of room correction, be that automatic room correction or manual PEQ. Increasingly, manufacturers link this to an app which allows users to adjust options on the fly. No such functionality is available on the X12+. M&K sees room correction on a sub as redundant, because most owners will already use full-range correction in their processors or AVRs. Whilst this is a perfectly reasonable argument, and one I happen to agree with, some users might regard this as a somewhat stingy omission. Nevertheless, I do rely on fullrange correction in my processor and, once I ran the Trinnov Optimizer and dialled in my target curve, I was ready to put the

I watched Prey for the first time a couple of days before the X12+ arrived. As a huge fan of the first Predator film, and to a lesser extent the second, I approached Prey with caution, induced by successively appalling films in the franchise. I need not have been concerned though; Prey's possibly the best Predator movie since the original, and, what's more, it has a fantastic

The scene at 00:05.10, where the Predator's ship flies over Naru, the title rolls and the drumbeat builds in intensity, had me grinning ear-to-ear with the X12+. It had no problem pressurising my room as the ship broke through the clouds, whilst

underpinning the drumbeat with wonderfully taught bass. This was precisely the type of punchy, chest-thumping bass I tend to associate with M&K subs. So far, so good. However, whilst this scene was a great test of the X12+'s performance between 50-80Hz, it didn't do much to test its low frequency extension. For that I needed something with a little more low frequency

meat on its bones.

BB... I didn't get remotely close to the X12+'s limits

Onto Overlord, and an opening scene that will rattle your neighbour's crockery. Fans of the film will be familiar with the D-Day flight scene, and know that Bokeem Woodbine's pep talk to a group of wide-eyed paratroopers presages a subwoofer workout like no other. Again, the X12+ performed admirably. The thunderous cacophony of bombs exploding outside the aircraft alongside the throbbing bass track can become a droning mess in the wrong hands or with a poorly calibrated system. With the optimised X12+, it was glorious. Each explosion arrived with terrific impact and clarity, separated distinctly from the next. Now admittedly, much of this clarity is down to good room setup and is a function of my listening room's low reverberation time. But even knowing this, the X12+ surprised me with an articulacy to its sound I've seldom heard elsewhere.

The last film I tried the X12+ with was Deepwater Horizon. During the scenes in chapter 9 and 10, where the drill pipes burst and the tower explodes, the X12+ generated truly prodigious amounts of bass. Certainly, the X12+ had no trouble shaking my sofa and related each explosion with almost unnerving concussive force. There's a phrase in the M&K white paper that accompanies the X12+ which I quite liked that describes this effect: "startle factor". Deepwater Horizon illustrated precisely

The MK Sound's X12+ provided more or less everything I would want from a subwoofer. True, it lacks the EQ and app baubles available on other subs at this price point, but I question the utility of those features for most users, who rely on their AVRs or processors for room correction. Additionally, at 600W RMS, it may seem underpowered by comparison to the competition at

this price, but this needs to be viewed in the context of M&K's efficiency claims. In any event, in my 5.5m by 4m listening

room, I didn't get remotely close to the X12+'s limits. What the X12+ did provide though, and consistently, was a thoroughly

The one sticking point I do have with the X12+ is its price. £3,995 is an awful lot of money for a single subwoofer, where the same money will buy two or more highly specified subwoofers from multiple other manufacturers. As good as the X12+ is, it can't counter the laws of physics and compete with the more even frequency response afforded by multiple subwoofers. This ultimately might be its Achilles' heel. But value is always in the eye of the beholder, and for those who can afford it and want

what that phrase means. When the X12+ is called upon to produce explosive impact, its delivery is positively brutal.

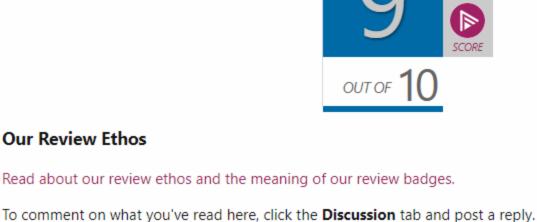
M&K Sounds X12+ subwoofer with its lower 12-inch driver in a non isobaric configuration

▶ avforums

composed, articulate and downright powerful performance across its frequency range. BB ... the X12+ surprised me with an articulacy to its sound I've seldom heard elsewhere

a well-engineered, incredible sounding sub, the X12+ will not disappoint.

Value For Money Verdict



> Home AV > Reviews > Subwoofers >

Specs

Review

SECTIONS

News

Reviews

Articles

Forums

Sitemap

ORGANISATION

About

Contact us

Our Review Ethos

Scores

Sound Quality

Build Quality

Advertising Information THE HUBS Contact The Advertising Team Advertisers' User

Discussion (25) SOCIALISING **ADVERTISING** Home Cinema Accounts Hi-Fi FORUM INFORMATION Movies & TV Shows Home Rules and Terms Help & FAQ Privacy policy Trading Rules Gaming Change cookie consent Leave Feedback Style : Light Mode AVForums.com is owned and operated by M2N Limited, Powered by Xenforo, Hosted by Nimbus Hosting, Original design Critical Media Ltd. Othernoviedb.org This website uses the TMDb API but is not endorsed or certified by TMDb.

Copyright @ 2000-2022 M2N Limited E. & O.E.