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HIGH END® MUNICH 2018

Jonathan Valin, Editor, The Absolute Sound:

Munich High End: JV on Loudspeakers $20k and Up

the absolute sound®

The six-and-a-half-foot tall, three-thousand-five-hundred pound, four-chassis, thirteen-driver-per-side (two radial TT100 woofers, two radial MT50/E midrange, two HT37/E radial tweeters, one "ambience" dome tweeter, and six 12"aluminum cone subwoofers in a separate column) MBL X-Tremes (€200k), driven by MBL 9011 amps and 6010 D preamplifier and sourced by an MBL DAC (only), were, as usual, simply superb—very airy and spacious and alive, without a trace of box sound and, despite the four chassis and omnidirectional radiation-pattern of the drivers, possessed of excellent imaging. Of late, MBL has taken to showing this Goliath with a real musician (a cellist), who plays live and then compares what he has played to digital recordings of same (engineered by MBL's genius-designer Jürgen Reis). It takes confidence to do this—and a great loudspeaker. MBL has both. Had I been able to listen to my own LPs on the X-Tremes, I imagine they, too, would have made it into my Top Five—they're that good.

from: http://www.theabsolutesound.com/articles/munich-high-end-jv-on-loudspeakers-20k-and-up/

Stuart Smith, Editor, Hifi Pig Magazine:

High End Munich 2018 Wrap Up Part One

Hifi Pig Magazine

This is the first time we have gone in the MBL room on press day and managed to get well lit photos. Normally we leave it til the open days and the room is packed and dark with no chance of getting photos. I'm sure the dem was very interesting but it was in German and for me there was too much talking and not enough playing of the system. When it was playing it did sound very nice.

from: http://hifipig.com/high-end-munich-2018-wrap-up-part-one/

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Hxos plus, YouTube Channel:

Ultra high-end audio system by MBL

Ultra high-end audio system by MBL

from: https://www.youtube.com/watch?v=xCY0CPCO61s

Pursuit Perfect System, YouTube Channel:

Ultra high-end audio system by MBL
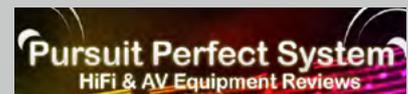
High End Munich 2018 Coverage Begins HiFi Show Extravaganza

from: https://www.youtube.com/watch?v=Iwp6ma5ufMc

Thomas Richter, Editor, NOOSAA_BLOG:

High End München 2018 Messebericht

MBL auch

from: http://noosaa.blogspot.com/

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Leo Yeh, Editor, My-HiEND:

MY-HiEND

【2018 慕尼黑音響展 #4 MBL ROON READY】

今年MBL並沒有特殊的新產品，亮點在於開發了新模組對應ROON，可以應用在所有唱盤與DAC內，搖身一變就能夠透過ROON達到數位串流的撥放方式。

用家可以撥放NAS、線上串流如Tidal、USB傳輸、iTunes音樂庫，並透過智慧裝置控制，好處是方便而且是High-End等級音質，支援多種音樂格式，音樂資訊也毫不遺漏，不必再如舊時代自己打資訊了。

透過開發的新模組，MBL也將雜訊等問題與後端撥放系統隔開，避免數位訊源如電腦或NAS的雜訊影響聲音。

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from: http://www.my-hiend.com/vbb/showthread.php?&p=235528#post235528

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Jerry Kuo, Editor, u-audio.com.tw:

2018/06/12 發表，已被閱讀 2,843 次　　　　分類：人物專訪

4 roon

mbl也能玩轉Roon了
專訪mbl首席研發工程師

文・郭漢丞　圖・郭漢丞　　　　分享到：

假如mbl也能玩轉Roon這個標題有些難懂，那麼換成mbl也能升級音樂伺服器〈Music Server〉這個標題，說不定就更容易理解了。在慕尼黑音響展上，mbl首席工程師Jurgen Reis一見到我，興奮地拿出這個模組給我看，說這是mbl花了兩年時間研發的新產品，適用在現有mbl數位器材加裝，這樣就不需要更換器材，也能讓DAC搖身一變成為音樂伺服器。


這款稱為mbl Roon Module的升級機板，是mbl在2018年慕尼黑音響展正式亮相的產品，可以用在1611或N31上面，基本上只要把mbl Roon Module插入機器原本的擴充槽即可，但假如您希望機器的螢幕也能顯示Roon音樂播放的資訊，那麼就需要更換新的螢幕顯示模組，另外要加價，但是Jurgen說螢幕的字很小，不如直接看手機或平板的遙控App，音樂資訊更多，而且控制機能更好，畢竟已經讓mbl數位器材與Roon發生關係，看App更好用，不一定需要更換螢幕顯示模組。

Jurgen表示，mbl Roon Module花費兩年時間研發，六個月前硬體全部到位，然後密集展開最佳化的調整。雖然mbl Roon Module看起來很像是電腦擴充插卡，可是最佳化調整卻是非常「音響」的思維。Jurgen說，mbl Roon Module的雙層電路板，浮在上方的就是Raspberry Pi，任何人都買得到，可是底下的電路板全部是mbl自行開發設計，這部分才是好聲的關鍵。

我自己也買過Raspberry Pi套件來玩過，播音樂的效果實在不怎麼樣，可是Jurgen一解釋，我才知道問題出在哪裡，答案不脫兩個與音響相關的關鍵字：電源與時鐘校正！外加各種隔離設計，去除電腦工作時的數位干擾。

Jurgen在硬體上面的修改，就是用mbl自家數位器材供電，而且讓主機板上的供電系統需量遠離電腦核心與DAC，並且在機板上面加裝兩個校正時鐘，讓mbl Roon Module成為「非同步傳輸Roon橋接」，讓音樂伺服器傳輸數位音樂的時基誤差降到最低。從電源供應與DAC線路佈局下手，本來就是mbl的拿手好戲。

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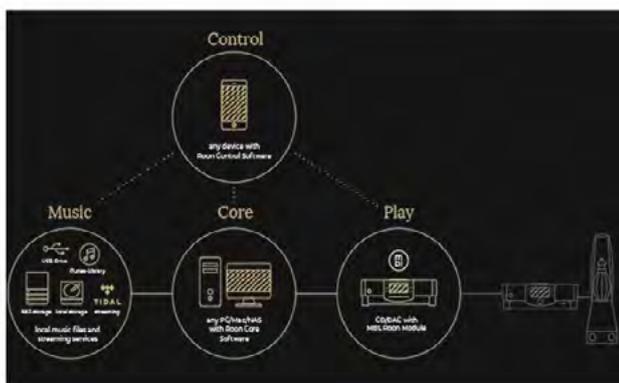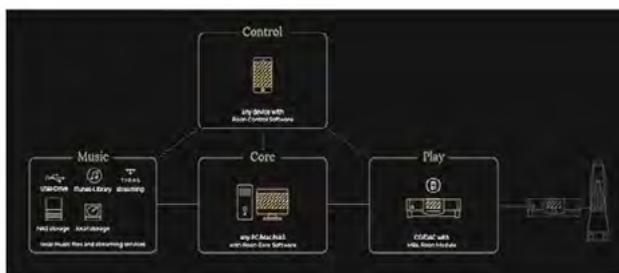
厲害的還不只如此，Jurgen發現在mbl Roon Module上選用零件，本身是否感磁對聲音有很大影響，但並非全部非感磁零件最好，也不是全部使用感磁元件最好，而是要調配組合，也因為零件選用的關係，這塊mbl Roon Module的研發時間才拖了兩年。「尤其是電阻的選用，我花了特別長的時間交替比對，才找到最好的組合。」Jurgen如此說道。

接下來Jurgen做的最佳化調整擺在作業系統上面，那就全得靠聽力了！Jurgen說，每一個Linux版本的聲音都不一樣，這六個月密集聆聽校正下來，他幾乎可以從聲音辨認主機板上面跑的是哪一個版本的Linux。再來，Linux的軟體設定對聲音的影響也相當大，所以Jurgen與mbl研發團隊花了很多時間反覆聆聽，確定最好的設定組合。當然，這些設定用家不能切進去（除非您是駭客高手），所以mbl Roon Module可以安穩地獨立運作，維持原廠最佳化的設定。

在mbl Roon Module上面，主要的連接介面就是網路線，我問Jurgen，假如使用USB連接，效果和網路線差別在哪裡？Jurgen回答得直接：「網路介面比USB好，甚至可能比AES/EBU還好，因為網路介面可以跑錯誤修正，但USB介面不行。」

最後，關於mbl Roon Module的擴充性能，Jurgen指著模組上面的SD卡插槽，假如日後有需要升級，都可以從SD卡執行，完全不需要擔心日後軟體落伍的問題。譬如最近越來越流行的MQA，假如未來需要MQA解碼功能，就能透過SD卡來升級。

在慕尼黑展出時，mbl Roon Module已經正式亮相演出，雖然模組已經通過Roon的認證，可是裝在機器上面如果要取得認證，必須連機器一起送去Roon做測試認證，目前還在Roon那邊測試，很快就會拿到正式的認證。這塊mbl Roon Module價值多少？Jurgen說參考售價是850歐元，這比許多音樂伺服器還要便宜啊，不過您使用它的前提是：要先成為mbl數位器材的擁有者，才能用高C/P值的價格玩轉Roon。

from: https://feature.u-audio.com.tw/featuredetail.asp?featureid=970

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Edgar Kramer, Editor, SoundStage!Australie.com:

SoundStage! Australia's High End Munich 2018
10 Favourite Exhibits… And Special Mentions

Germany's MBL has held its demos mixing live and reproduced music to great success in the past. I walked into the room just as the live performance was concluding, however, that provided me with an opportunity to hear a similar piece being played via the company's flagship Radialstrahler 101 X-treme loudspeaker system as supported by MBL's top-flight Reference Line electronics. The sound this year was the best I've heard from this MBL's system – the company has shown this set-up at Munich in the past. This time around, even though the system seemed the same as last year and in the same position within the same room, the sound was somehow more coherent and even larger in terms of spatial projection. The span of the soundstage was massive while the tonal quality of the cello and violin pieces were reminiscent of the live performance. MBL is a class act and this was commensurate sound.

from: https://www.soundstageaustralia.com/index.php/features/157-soundstage-australias-high-end-munich-2018s-10-favourite-exhibits-and-special-mentions