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The Signature 3

To reach the soul in music, there are no shortcuts.

Introduction – 1981 > 2016

One thing is certain; the laws of physics prevail. Enter the QIn Signature 3.

In an industry where speaker manufacturers employ cost saving industrial designs and manufacturing and/or over engineered esoteric designs, the QIn Signature 3 boils down to the order of things with a pragmatic no-nonsense approach by reintroduction of a classic, timeless and refined speaker design.

Based on the original QIn One introduced in 1981, the QIn Signature 3 carries the legacy of a timeless combination of form and function re-engineered in the 21st century to provide an unprecedented high-end compact 2-way audio transducer.

The principles of the QIn Signature 3 are basically the same today as when originally introduced.

Firstly a cabinet designed to not produce any sound. The drivers chosen for their ability to reproduce the entire spectrum of sound with all its timing, dynamics and timbre, from low to high levels of volume.

A crossover that binds everything together and allows the sound to transduce without any seams or hindrance.

Design details

Cabinet – optimal form and function

The QIn Signature 3 cabinet is timeless in form and function and provides the optimal foundation for the drivers and crossover to work.

Based on QIn's unique Qboard® superior damping sandwich technology, structural resonances are effectively eliminated without the need for complex and costly bracing technologies. More bracing creates more sound at higher frequencies, because of boundary effects.

The minimal and slanted solid 28 mm baffle provides for perfect time alignment across the entire frequency range. Rounded edges help avoid baffle diffraction while the slanted cabinet, without any parallel sides, suppresses any standing waves inside the structure.





Crossover – path of sound

The crossover is a significant part of the Qln Signature 3 sound.

With Qln's unique constant impedance filter coupled with hardwired, high-end oil-filled capacitors and baked coils, any internal component and filter resonances are avoided. This results in perfect timing within the crossover and throughout the entire frequency range. This combination of components allows the speaker to "breathe" naturally at all levels and has a huge impact on how the sound operates across the entire audio spectrum, with low distortion, correct timbre, timing and micro/macro dynamics.

Drivers – passing of sound

The bass/mid-range and treble drivers are custom developed by industry renowned Danish driver manufacturer Scan Speak and offer the latest in 21st century advanced driver technology.

The unique coated Kevlar bass/midrange driver with its built-in copper ring in the magnet system offers symmetric drive and higher dynamics in the midrange concurrently suppressing intermodulation distortion and resulting in industry leading high-end voice handling and astonishing micro/macro dynamics.

Likewise the unique Illuminator tweeter offers superb vocal rendition and excellent imaging at all listening positions. Its large roll surround and textile dome diaphragm provides a flat frequency response above 30 KHz with outstanding off-axis dispersion. The unique AirCirc magnet system and its rear chamber eliminate any reflections and resonances.

Furthermore ... Internal cabling is meticulously selected from Transparent Audio. All components are carefully hand selected and individually tested for any deviations. Non-metal terminal plates and pole screws are used to avoid induced currents. Speaker terminals are made of pure massive copper, coupled with grip-friendly screws.

The Sound

The Qln Signature 3 is a result of timeless and perfected combination of impeccable form and function, offering an uncompromised and unique insight into any music material.

Years of testing components that offer less distortion coupled with a timeless and perfected cabinet design offers a sound quality that is quite unique and unprecedented in today's audio industry today.

The sound from a Qln Signature 3 can be described as totally lacking imposition and hindrance.





Technical details

Impedance: 8 ohms
Amplifier requirements: 25-250 Watt RMS
Sensitivity: 87 dB SPL 1 Watt 1m
Low frequency performance: -3dB 42Hz
Cabinet: Dual density Qboard®
Terminal: Single wire
Dimensions (HxWxD): 370x265x365
Weight: 12,5 kg each
Finish: Walnut, White satin, natural oiled
Oak

For more information visit www.qln.se or contact info@qln.se.

Mats Andersen, CTO and Owner of Qln concludes:

"Between transmitting and analyzing music material there lies a significant difference.

*Much more is required from a music transmitter than from a good analyzing tool. One of Qln's main design philosophies has always been and will always be to focus on the main task of the hifi speaker: **THE MUSICAL EXPERIENCE**. To transmit this experience to the listener, analytical capabilities are not enough. There is also the need to understand the shape of things and how they interact in the process of reproducing the audio signal with all its complexities. When all these ingredients fall into place, you get a transducer with the capability to reproduce a wide variety of music material across all genres, categories and complexities with ease.*

