

cicable® PX0 – Improve your LS3/5a !



External crossover for all known brands, models and impedances

- Audiomaster
- BBC Original
- Chartwell
- Goodmans
- Harbeth
- KEF
- Rogers
- Spendor

◀ Cicable PX0 crossover [pictured with standard unit on top] reprises the 15Ω LS3/5A's autotransformer

Featuring ...

- Clean sound
- More natural
- Silky top performance
- Improved stereo image
- Unique blend of analytical & musical sound reproduction
- Improved amplifier matching
- Extremely distortion free
- Individually matched



An outstanding speaker upgrade!

Up to now most improvements of loudspeakers were accessory upgrades, like cables, stands, spikes etc. This time the cicable external crossover, designed by Derek Hughes, best known for his work at Spendor, shows the full potential of a really well engineered crossover/speaker combination.

The cicable covers for LS3/5A speakers are designed as a "no compromise" device and will improve your high grade speaker system more than any other accessory.

KEN KESSLER IN HIFI-NEWS 10/2001

"The crossovers will refine your LS3/5As to a point where – maximum SPLs and thunderous bass aside – you will wonder why anyone listens to anything else in most normal domestic environments. Cicable's crossover eliminates worries about consistency, about fidelity to the LS3/5A and about interfacing with ancillaries. It is a perfect product in that it does precisely what it's supposed to do, and the panel un-animously voiced its approval."

The potential for possible improvements is greater than you might believe, for nearly any good speaker system. But it is not possible just with a change of components to achieve the performance of a cicable xover. Fine-tuning and new, rarely used, constructions of inductors gives a performance level which is not possible by normal production methods.

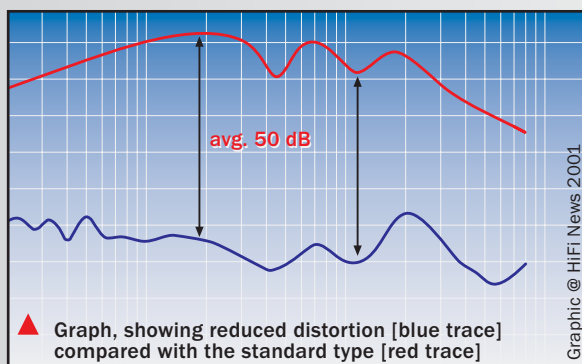
cicable starts with with xovers for the very well known BBC monitor LS3/5a. The xovers support all brands of the LS3/5a as well as both versions, the original 15 Ω version as well as the latest 11 Ω version. The latter incorporates a specially designed autotransformer instead of the resistive ladder network.

Both versions will also include an extra tweeter impedance compensation circuit to reduce the effects of the T27 resonant frequency characteristic.

Concept, Design and Components

The crossover are designed as external units, so that they are not influenced by the loudspeaker cabinet vibrations and the magnetic field of the drive units.

Special over-dimensioned components will reduce the amount of distortion by more than 50dB, so that distortion mainly depends on the amplifier and not on the loudspeaker xover design.



We use specially wound autotransformers to achieve lossfree level matching of the tweeters. A positive side-effect is a smoother impedance curve which is good for critical amps, especially valve amps. Special compensation networks smooth the impedance curve in the area of tweeter resonances even more.

The xovers are individually adjusted to the customers speakers. Therefore we can offer 0.3dB frequency response tolerance due to 1% tolerances of the components.

The xovers are available in two versions, Standard and PREMIUM. The PREMIUM-version has further refinement in performance because of even better components in the signal path as well as tighter tolerances.

We believe that this upgrade path is for many high-end and music enthusiasts the solution that gives the greatest audible improvement to the quality of their system and will be an unrivalled accessory.

MAIN FEATURES AT A GLANCE

- Highgrade air chokes reduces distortion by up to 50dB.
- Optimised and smooth impedance response improves the interconnection to amplifiers especially to valve amps.
- Low self-capacitance of the inductors [PREMIUM version].
- Low DC resistance of high grade inductors gives higher damping factor in the LF band.
- Use of autotransformers instead of resistor networks throughout, to adjust the tweeter level and give improved amplifier load for the 11 Ω version.
- Use of high grade capacitors with 1% tolerances gives great improvements in linearity with temperature, time frequency and power level.
- 0.3 dB precision in filter pass-band [to -6dB point of filters] and pair matching of both the high-pass and low-pass filter.
- Bi-Wiring [and Bi-Amping] helps to improve the current flow by separating the HF & LF ground return currents.
- Up to 10 times reduction of static magnetic field and vibration due to crossover being outside the speaker.
- Less component "cross-talk" due to spacious external box plus high grade PCB with low resistance tracks giving the opportunity to arrange components for best performance.
- Close tolerances and pair matching to the customer's original xovers via "customer questionnaire".
- If you are interested in detailed technical data please see some of the measurements which were made with a 11 Ω LS3/5a speaker.
- The cicable crossover is also available for Spondor BC1 speakers [all versions].

KEN KESSLER STATED IN HIFI-NEWS ...

Designed by Derek Hughes, the Cicable crossover replaces the existing KEF-made network. In essence, it is exactly what you'd expect a crossover to be if cost constraints were ignored: filled with premium parts. The company produces versions for every LS3/5A variant – single-wire or bire, 11 Ω or 15 Ω, regardless of make – with the former incorporating a specially designed auto-transformer instead of the resistive ladder network. Both versions include an extra tweeter impedance compensation circuit to reduce the effects of the T27 resonant frequency characteristic and are also available in a further improved "PREMIUM" version for 'a little more expense'.

KEY FEATURES

- Tailored for specific LS3/5A requirements
- Greatly improved dynamics, lower distortion
- Gets the best out of any existing LS3/5A

Review quotes @ Ken Kessler 2001