The K&F SPECTRA 212i XW is a compact, three-way, high-performance top that provides very high performance with the best possible dispersion in a compact form factor. Thanks to the integrated K&F VariQ technology, the K&F SPECTRA 212i XW can be used as a line array, or line source cluster and as a stand-alone point source speaker. To this end, the patented K&F VariQ unit is rotated 90° in just a few steps to switch between point source and line source operation.

The absolutely exemplary radiation behaviour in both operating modes makes the K&F SPECTRA 212i XW ideal as a tool for demanding sound reinforcement tasks, especially in acoustically difficult environments. The three-way system features two 12” woofers in a bass-reflex cabinet, six 5” mid-range speakers in a closed cabinet, and four 1” compression drivers on a K&F Waveformer. As a result, the design of the speaker allows for an extremely distortion free sound reproduction over the entire frequency spectrum. The K&F SPECTRA 212i XW is powered by the proven K&F SystemAmp power amplifiers. Two processed amp channels are used to drive the speaker, which ensures the best possible performance and reliability.

The design of the K&F SPECTRA 212i XW provides a sonically impressive experience. All details of the source material are transmitted to the audience transparently and in detail. The large dynamic range and very high achievable levels allow for versatile applications. From small club gigs to large sound systems – the system’s sound remains absolutely neutral in every situation.

In point-source mode, a K&F SPECTRA 212i XW emits 120° horizontally and +5/-25° vertically. This makes it possible to use a K&F SPECTRA 212i XW as a single high performance top. The asymmetrical vertical radiation helps in pointing the sound to the audience while removing unwanted ceiling reflections. Optionally, the VariQ can also be used with upward asymmetric radiation + 25° / -5°.

In line-source mode, a K&F SPECTRA 212i XW emits 30° horizontally and 120° vertically. With the housing angles and the connection mechanism horizontal and vertical arrays can be formed, as well as point source clusters. The system adapts to the requirements, depending on the desired coverage and maximum sound pressure.
All measurements under free field conditions. Frequency patterns 1/6 octave averaged. Coverage and polar pattern 1/3 octave averaged. The manufacturer reserves the right to make product alterations to improve product quality without prior notice. Errors excepted.
Further information and data like specifications, manuals, technical drawings as DWG, DXF and PDF files as well as data files for acoustic simulations with Ease and Ulysses are available on our web site www.kling-freitag.de

Countersunk screws M8 x 35 with TuFlak-spot. The screws are equipped with a screw lock.