



Move up to
7.1
High Definition

As consumer technology advances at ever faster rates, professional technology increasingly finds itself trying to keep up. An example of this is the advent of HD-DVD and Blu-ray High Definition formats that has increased the audio channel count to 7.1. There are currently no monitoring systems on the market with built-in 7.1 signal handling.

The O 870 and O 810 are an answer to the most recent evolution of transmission formats. Klein + Hummel's two new subwoofer packages offer a new 7.1 High Definition Bass Manager™. This is compatible with all standard consumer formats from mono through to the latest 7.1 HD systems. Eight channels of analog or an optional 8-channel, 24-bit, 192 kHz digital input card ensures flexible interconnectivity for modern studios. Four-mode LFE-channel processing guarantees compatibility across all formats and industries. Forth-order crossovers and flexible acoustical controls allow for seamless system integration. Built-in volume control and a hardware remote control allows for centralized system control independent of the source, and the electronics can be remote located to reduce cabling.

The latest amplifier technology and acoustical components have been used to ensure the most accurate sound reproduction possible. Robust drivers, a rock-solid cabinet, and carefully designed ports guarantee a tight, articulate, and distortion-free low frequency reproduction, even at high replay levels. Using the sum output, Plane Wave Bass Array™ (PWBA™) techniques acoustically improves lateral consistency in the listening area. The bass of both models extends down to 18 Hz.

The O 900 and O 800 continue to be offered in addition to the new O 810 and O 870 subwoofers. These two subwoofers take a slightly different approach. The O 900 is designed to be added to the O 500 C to make a 4-way column system: the subwoofer output signal of the O 500 C is connected to an external amplifier which can be remote located. The O 800 is a very cost effective solution for bass managing three channels to extend the response of the front loudspeaker. Both the O 900 and O 800 can be used to only reproduce the LFE channel in multichannel systems. Alternatively a Pro M 1012 can be used to provide flexible external bass management and system control of up to 10 audio channels and 12 loudspeakers: subwoofer signals are generated and then connected directly to the subwoofer.

All of Klein + Hummel's subwoofers are designed to complement Klein + Hummel's extensive range of monitors. Subwoofers can be used on their own, or daisy-chained to make larger systems capable of higher SPL. They can be used in music, broadcast, and post production studios for tracking, mixing, and mastering. They can be positioned next to a wall or flush mounted into a wall due to the front mounted port, and can be mixed freely in multichannel systems with other loudspeakers from the Klein + Hummel range.



The high-performance O 900 studio subwoofer is the ideal complement for the O 500 C studio monitor. Precise bass reproduction is achieved down to 15 Hz. The 120 liter cabinet gives a high maximum sound pressure output with a flat frequency response. This is due to the ingenious enclosure design, as well as the use of uncompromisingly well-constructed drivers.

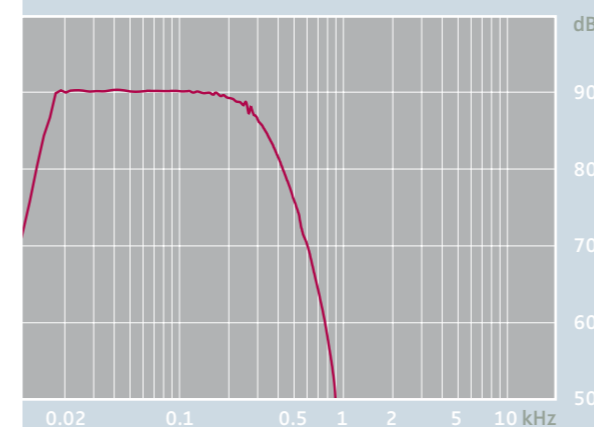
Features

- Extremely powerful studio subwoofer with two extra long excursion 12" drivers
- Bass reproduction down to 15 Hz
- Expressive, precise, accurate bass
- High maximum output level
- Bass extension and increased SPL output for the O 500 C studio monitor
- Used with the subwoofer output of an O 500 C and a KPA 172 power amplifier

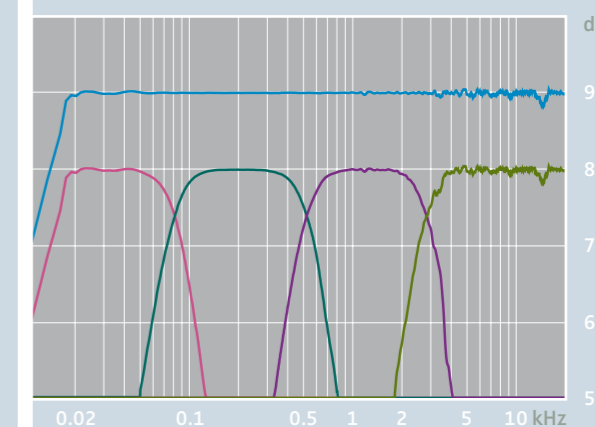


O 900
High Output
Studio Subwoofer

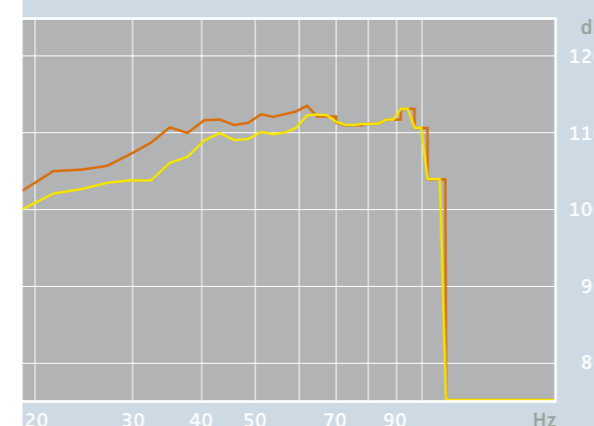
Frequency response in LFE-Mode



Frequency response O 500 C with O 900



Max. SPL at 1 m at 1% and 3% THD



Klein + Hummel KPA 172 Stereo High Performance Amplifier. The technical superiority of this amplifier ensures that the KPA 172 is especially suited to the O 900. The KPA 172 is normally remotely located to avoid cooling fan noise and heat dissipation in the control room—see www.klein-hummel.com for details.