



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.



# 0 800

Active Studio Subwoofer



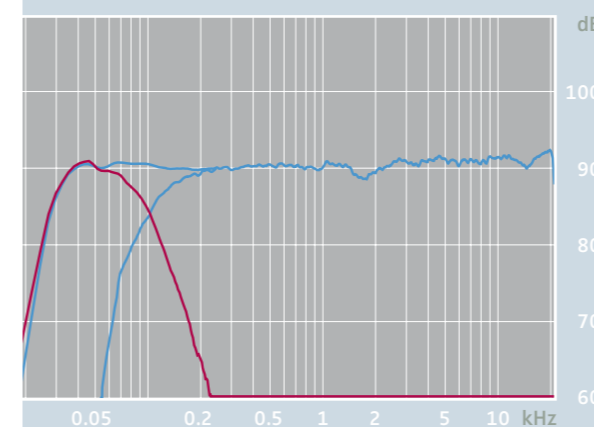
## The O 800 active studio subwoofer offers bass extension

for smaller loudspeakers down to 27 Hz and significantly raises the maximum possible acoustical output of the main loudspeakers. The O 800 can also be used to reproduce the LFE channel in multichannel systems. The exceptional dynamics and precise reproduction gives the listener confidence when making critical judgments of the audio material's lowest frequencies.

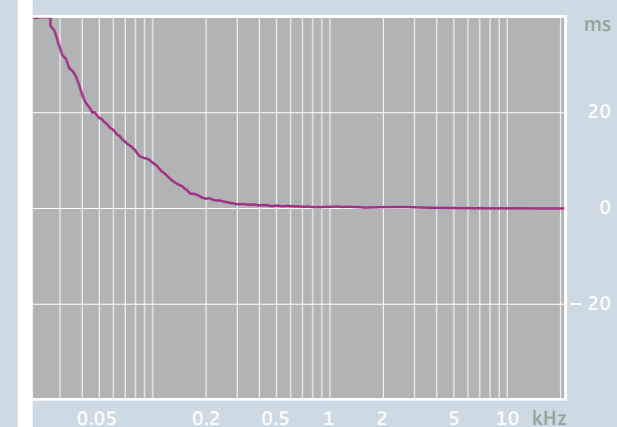
### Features

- Compact and cost effective low frequency system with extension down to 27 Hz
- Allows main loudspeakers to play louder and with lower distortion
- Bypassable, 3-channel, fourth-order active bass manager
- Low-cut, phase and output controls for seamless integration with the main loudspeakers
- Low distortion amplifier with integrated electronic limiter
- Low distortion magnetically shielded long-throw drivers
- Reduced bass compression at high SPL from a single generously proportioned bass reflex port
- Wooden cabinet with a tough painted finish (anthracite or silver) and high density rubber isolating feet
- Excellent self-damping properties leading to minimal cabinet resonances

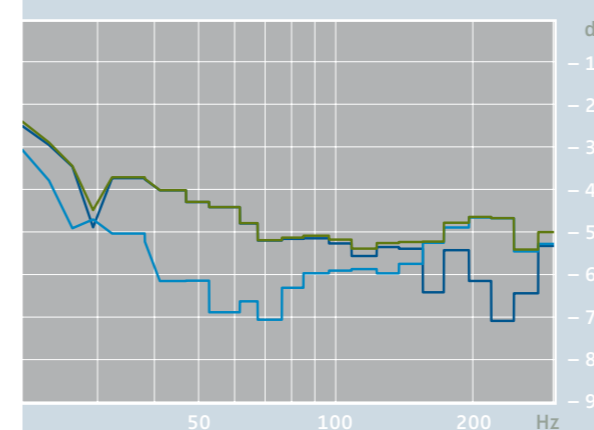
Frequency response 0 110 + 0 800



Group delay 0 110 + 0 800



THD 0 110 + 0 800 at 95 dB SPL at 1 m



Max. SPL 0 800 at 1 m at 1% and 3% THD

