



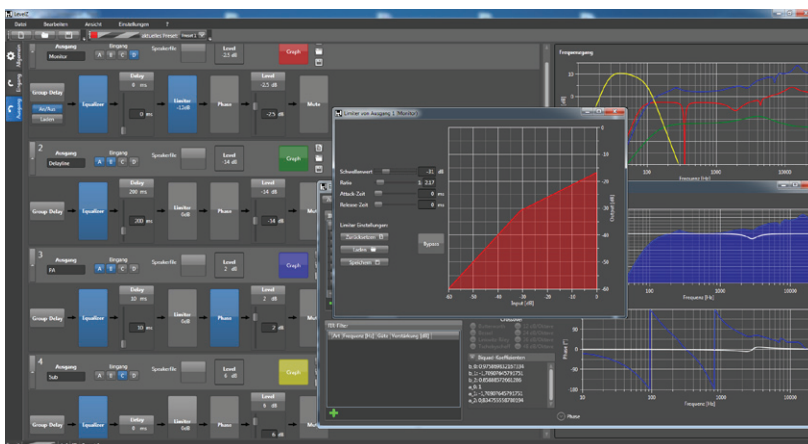
# hd P12stereo

## Active System Subwoofer

The **hd P12stereo** is from an acoustic point of view identical to the hd Sub12 with the difference that the hd P-series houses the high-end hd MultiDSP and powerful Class-D amplifiers in the same housing and thus becomes a basic building block for every mobile Plug & Play system. This new DSP platform now enables all processing and control functions of large sound systems in an easy-to-use Plug & Play active system. The extremely powerful hd MultiDSP offers FIR and IIR filters for the exact adaptation of the PA system to the respective application. The input section includes a routing matrix, a signal generator (sine and noise generator) and a freely configurable EQ with 16 IIR filters and a 384 taps FIR filter per input channel. Each output channel has 16 IIR filters, 384 taps FIR filters, 100 ms delay, 180° phase reversal, peak and RMS limiter, gain and mute. There are 20 factory presets for all hd speaker system configurations stored on the device for direct recall, so the device can always be reset to a defined default state. This guarantees highest reliability of the connected speakers and ensures a very dynamic and linear sound.



For user-specific settings, another 20 freely configurable user presets are available to store and manage individual system configurations. On the back there are LED indicators for each input and output channel and a USB interface for setting and managing all audio parameters via the PC.



In addition, the easy-to-use hd LevelZ PC Remote Software provides even more detailed information on individual requirements and an unlimited number of user presets and configurations.

# hd P12st datasheet



The multi-channel Class-D amplifiers deliver up to 500W on a single output channel and are designed to meet the highest audio quality and reliability requirements in mobile applications. This is ensured by a SMPS power supply with Power Factor Correction (PFC), which can be used even in unfavorable network conditions, such as undervoltage or overvoltage, thanks to a universal operating range of 85 V to 265 V, can provide full power at all times, making it far superior to conventional power supplies.

## DSP Electronic Features

- 3-channel Class-D amplifier with 3x 500W
- 2In / 3Out High-End hd MultiDSP with > 300 MIPS
- 384 taps FIR filter per input / output
- 16x IIR (double precision) filters per input / output
- multi-level limiter architecture
- maximum reliability and performance
- LED level meter and USB
- Windows-based remote software hd LevelZ

## Features

- 12" long-excursion woofer
- high SPL with up to 122 dB
- compact dimensions
- robust multiplex housing with textured paint
- extendable with passive subwoofer hd Sub12
- extends frequency range below 40 Hz

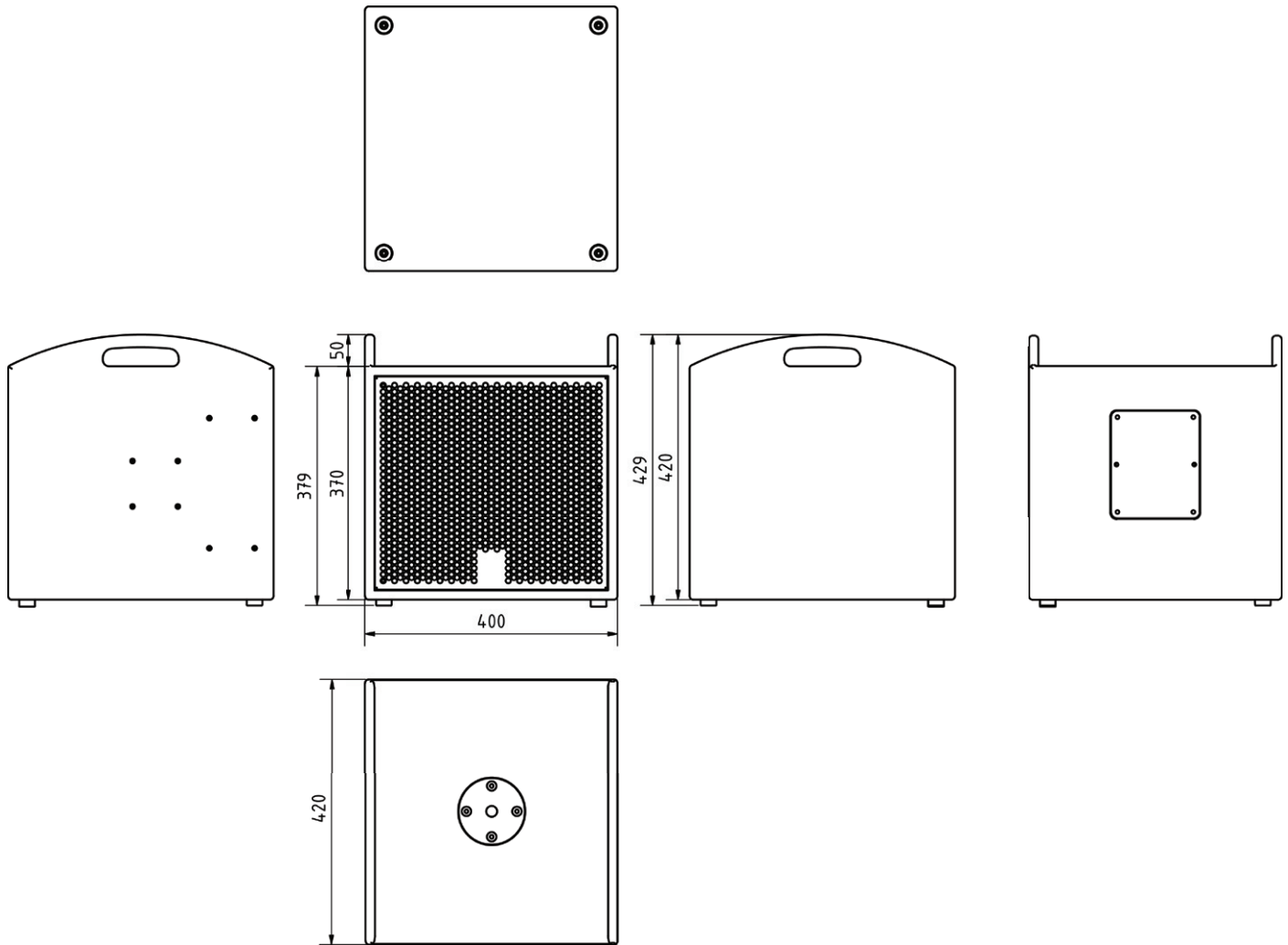
## Applications

Live sound system, restaurants, bars, cinema, conference rooms, hotels, A / V installations, multimedia applications, TV studios, churches

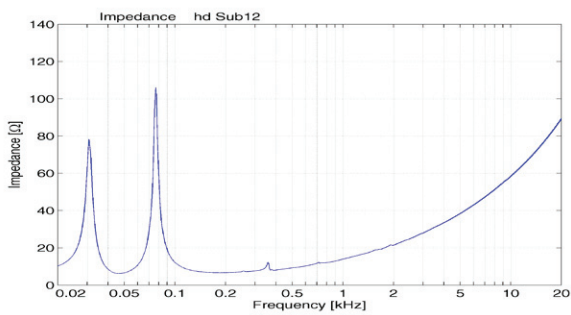
<b>Model</b>	<b>hd P12stereo</b>
<b>Order number</b>	60001
<b>Acoustic design</b>	Bass reflex
<b>Transducers</b>	1x 12"-long-excursion ferrite woofer
<b>Crossover</b>	variable according to the preset
<b>Coverage (hor x ver)</b>	omnidirectional, cardioid with preset
<b>Frequency range (-6dB)</b>	40 Hz - 180 Hz
<b>Sensitivity (1W / 1m)</b>	98dB
<b>Power Rating AES / Peak</b>	400 / 800 W
<b>SPLmax @ 10% THD</b>	122 dB
<b>Power @ 4 Ω</b>	3x 500 W
<b>DSP</b>	hd MultiDSP 2In 3Out with FIR / IIR filter multi-stage limiter architecture hd LevelZ Remote Software LED indicators and USB
<b>Connections</b>	2x XLR Input 1x NL4 Output TOP L (2-pin) 1x NL4 Output TOP R & SUB (4-pin) 1x Mains appliance plug
<b>Enclosure</b>	robust multiplex housing with Warnex textured paint black, recessed connection panel, M20 thread, 2x carrying handle, steel grille with acoustic foam inside
<b>Optional Accessories</b>	Transport cover (art. 30107) Install version (art. 40050) RAL-Color (art. 1073)
<b>Weight</b>	19 kg
<b>Dimensions (W x H x D)</b>	400 x 430 x 420 mm

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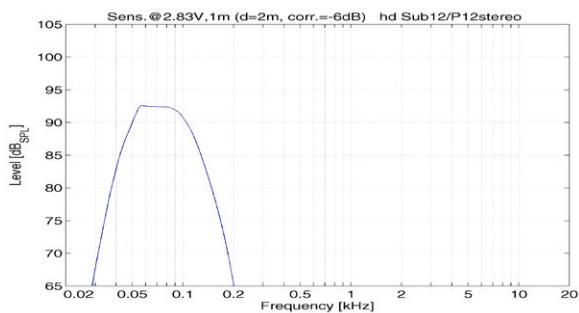
## Dimensions [mm]



## Impedance



## Frequency response with DSP preset



# hd P12st datasheet

## Accessories



### Transport cover P12st

Durable polyester protective cover with 10 mm padding and hd logo imprint

Order number: 30107



### Install version

Elegant design for permanent installation without handles and without M20 flange

Order number: 40050 (hd P12sti)



### RAL color

Special color per article according to RAL color chart

Order number: 1073