

hd P-Series

Active System Subwoofer

The **hd P-Series** is acoustically identical to the hd Sub-Series with the difference that the hd P-Series contains the High-End hd MultiDSP and powerful Class-D amplifiers in the same enclosure and thus becomes a basic building block for any mobile plug & play system. The new DSP platform now enables all processing and control functions of large sound systems in easy-to-use plug & play active system.

On the back panel there are LED metering indicators for each input and output channel, as well as an USB interface for setting and managing all audio parameters via PC. The extremely powerful DSP offers FIR- and IIR-filters for the exact adjustments and optimizations 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 per input channel with 16 IIR-filters and a 384 taps FIR-filter. There are 16 IIR-filters, 384 Taps



hd P12stereo
Active System Subwoofer



FIR-filter, 100ms delay, 180° phase reversal, Peak- and RMS Limiter, Gain and Mute available per output channel. There are 20 factory presets for all Harmonic Design® speaker system configurations stored for direct recall on the device so that it can always be reset to a defined default state of the system. This guarantees the highest reliability of the connected speakers and ensures a very dynamic and linear sound.

Key Features

- 1x 12“ Long-Excursion Subwoofer 400W/800W
- transmission range from 40 Hz
- 3-channel Class-D Amplifier (2x 500W)
- High-End-DSP with FIR-/IIR-Filter
- multistage limiter architecture
- compact and lightweight enclosure
- ergonomic transport handles
- M20 flange

Applications

conference, multimedia applications, TV environments, A/V installations, mobile use

Options

RAL color, install version without transport handles and M20, transport cover

for usage with

hd M-Series , hd ML-Series, hd C-Series

For user-specific settings, another 20 freely configurable user presets are available to save and manage individual system configurations. A well readable 4-line LCD display with 3.2 “screen size and 5 navigation buttons on the **hd P15** and **hd P18** enable easy and intuitive operation of all functions, as well as the loading of factory or user presets directly on the device without a PC. For reasons of space, the **hd P12stereo** has only full access through USB. This makes it possible to adapt the PA system to the changing requirements from day to day in the shortest possible time and makes the usual complete system change, for a small or large event, superfluous. In addition, the easy-to-use hd LevelZ PC remote software provides even more detailed possibilities of individual adjustments and an unlimited number of user presets and system configurations.



hd P15
Active System Subwoofer

The multi-channel Class-D amplifiers deliver up to 2500W 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 even under unfavorable power grid conditions, such as under- or overvoltage, thanks to a universal operating range of 85 V to 265 V, can provide full power at all times and is therefore far superior to conventional power supplies.



hd P18
Active System Subwoofer

Key Features

- long excusion speakers
- 3-channel Class-D Amplifier (2500W/800W/800W)
- High-End-DSP with FIR-/IIR-Filter
- multistage limiter architecture
- high SPL in a lightweight compact enclosure
- extended low frequency performance
- 3,2“ LCD with navigation buttons and USB
- control of all features directly at the device without PC

Applications

karaoke TV environments, A/V installations, discotheque, sports arenas , concert halls, mobile use

Options

RAL color, install version without transport handles and M20, 100mm hd SilentWheels, wheelboard, cover

for usage with

hd ML-Series, hd x81-Series, hd MP-Series

Model	Type	Transducers	Power Rating RMS / Peak	SPLmax	Freq. Range (-6dB)	DSP	Amplifier @ 4 Ω	Weight	Dimensions W x H x D (mm)
P12	active Subwoofer	12“	400 / 800 W	122 dB	40 Hz - 180 Hz	2in3	3x 500W	19 kg	400 x 430 x 420

Model	Type	Transducers	Power Rating RMS / Peak	SPLmax	Freq. Range (-6dB)	DSP	Amplifier @ 4 Ω	Weight	Dimensions W x H x D (mm)
P15	active Subwoofer	15“	1000 / 4000 W	135 dB	40 Hz - 130 Hz	2in4	1x 2500W + 2x 800W	31 kg	465 x 472 x 520
P18	active Subwoofer	18“N	1800 / 7800 W	137 dB	35 Hz - 100 Hz	2in4	1x 2500W + 2x 800W	43 kg	536 x 542 x 600