



Basic module for mobile systems hd P15

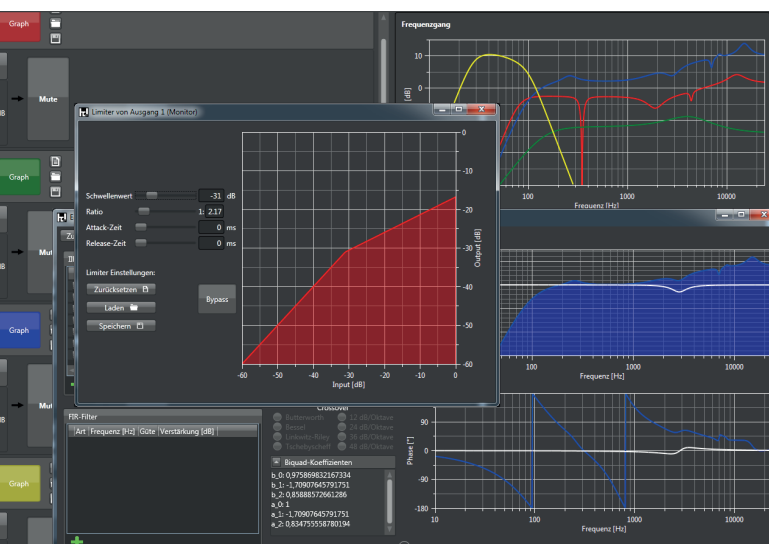
With extremely powerful hd MultiDSP



hd P15

Active System Subwoofer for mobile Plug & Play systems with extremely powerful hd MultiDSP

The hd P15 is from an acoustic point of view identical to the hd Sub15 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. The multi-channel Class-D amplifiers deliver up to 2500 W 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.

hd P15 Datasheet

DSP Elektronik Features

- 3-Channel Class-D amplifier (2500 W/800 W/800 W)
- 2In/4Out High-End hd MultiDSP with >300 MIPS
- 384 taps FIR filter per input/output
- 16x IIR (double precision) filters per input/output
- multi-stage limiter architecture
- maximum reliability and performance
- 3.2"LCD with navigation buttons and USB
- access to all features on the device without PC
- windows-based remote software hd LevelZ

Acoustic & Mechanical Features

- 15" high performance woofer
- very high maxSPL of 139 dB
- compact dimensions
- robust enclosure with polyurethane coating
- parallel operation with hd Sub15 possible
- stand-alone or cardioid subwoofer array
- extends the frequency range below 40 Hz
- installation version available

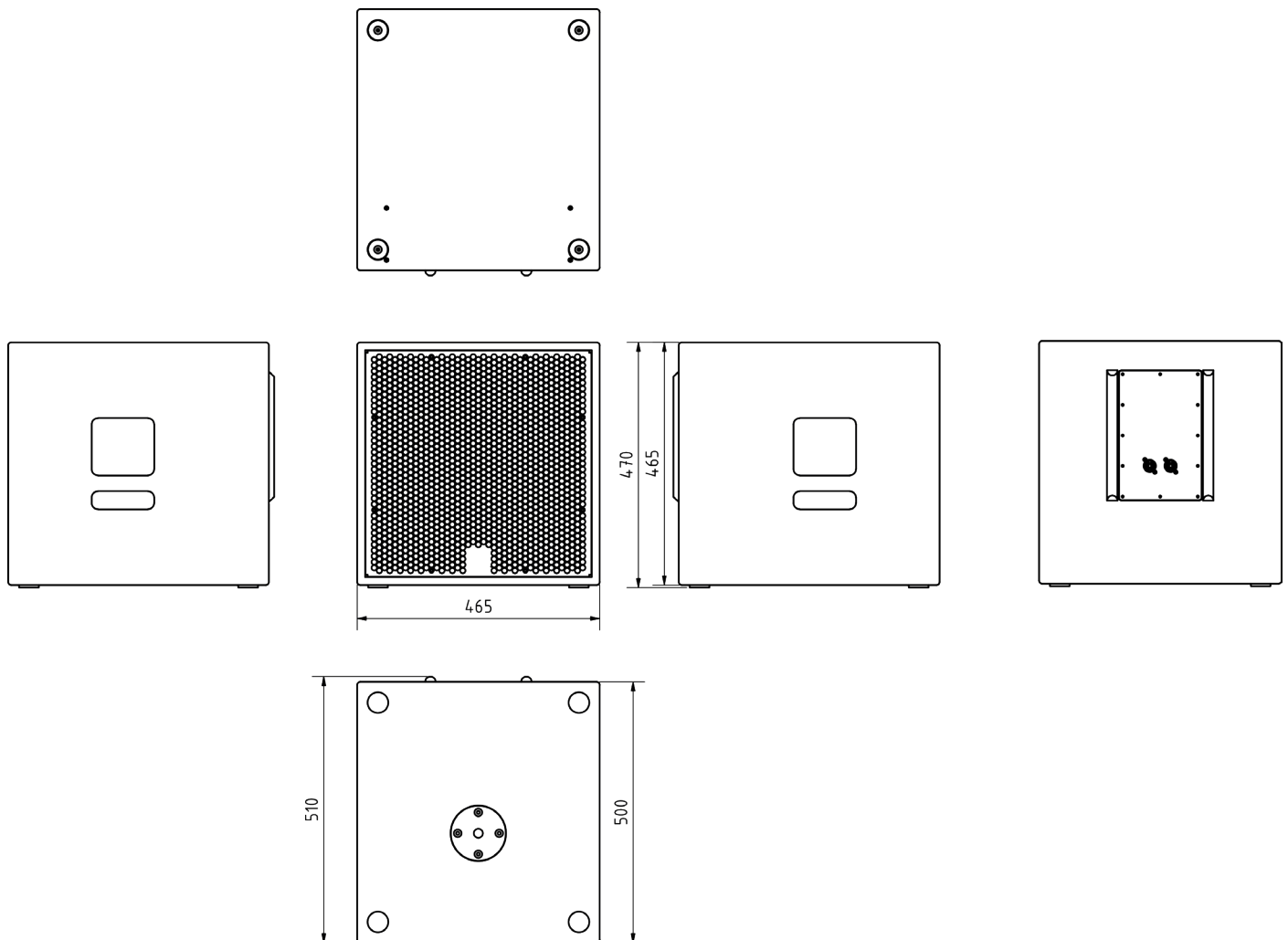
Application

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

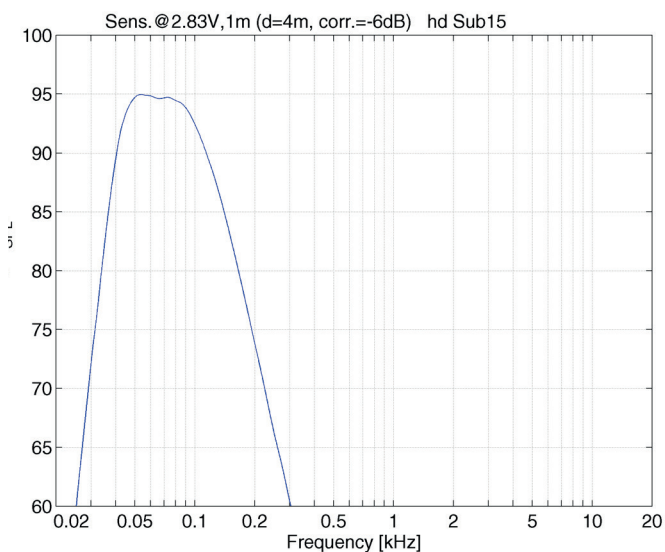
Model	hd P15
Order number	60010
Acoustic design	Bassreflex
Transducers	1x 15" high excursion woofer
Crossover	variable via reset
Coverage (hor x ver)	omni, cardioid via preset
Frequency range (-6 dB)	40 Hz - 130 Hz
Sensitivity (1W / 1m)	101 dB
Power Rating AES / Peak	1000 / 4000 W
SPLmax @ 10% THD	139 dB
Power @ 4 Ω	1x 2500 W + 2x 800 W
DSP	hd MultiDSP 2In 4Out FIR-/IIR-Filter, multi-stage limiter architecture, hd LevelZ Remote Software, 3.2" LCD with buttons and USB
Connections	2x XLR Input + 2x XLR Link, 1x NL4 Output TOP L (2-pol), 1x NL4 Output TOP R & SUB (4-pol), 1x XLR AUX Out, 1x Powercon Mains
Enclosure	robust multiplex housing with polyurethane coating black, recessed connection panel, M20 thread, 2x transport handle, steel grille with acoustic foam inside
Optional Accessories	Transport cover (Art. 30100), Installation version (Art. 40064), Dolly (Art. 950056), RAL-Color (Art. 1073)
Weight	34 kg
Dimensions (W x H x D)	465 x 472 x 520 mm

hd P15 Datasheet

Dimension [mm]



Frequency response with DSP preset



Accessories



RAL-Color

Special color per article according to RAL-Color chart.

Order number: 1073



Transport cover hd P15

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

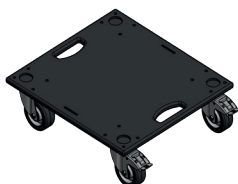
Order number: 30100



Install version

Elegant design for permanent installation without handles and without M20 flange.

Order number: 40064 (hd P15i)



Dolly hd P15

Practicable dolly with velcro closure and 4 pcs. 100 mm wheels.

Order number: 950056

Engineered
Made
In Germany



Harmonic Design

...simply harmonic sound

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