



# V12HDA

Active Processed 2-way Loudspeaker System



## Overview

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V HDA are portable, ultra-compact loudspeaker systems featuring carefully designed transducers combined with a powerful 1200W Class D amplifier and PROEL high-resolution CORE DSP technology, for an unmatched performance in their class.

The high-excursion 3" VC woofers, combined with CELESTION precision compression drivers mounted on the V Series wide coverage waveguide, produce an impressive sound pressure level with a flat and extended response and a sound you usually expect from top-class professional systems.

The 1200W Class D / SMPS amplifier module, hosted in a fully sealed aluminium box, provides a massive amount of power in a surprisingly compact and lightweight package, raising the system's portability to a new standard.

For processing the V HDA the PROEL's R&D Lab has developed a new version of the proprietary CORE DSP, able to deliver ultimate performance to the system tuning. Thanks to accurate crossover and EQ filters, precise compressors/limiters for the dynamic control and delay lines for the time alignment, the CORE DSP provides a high-class signal management and the highest sound pressure level with the best sound quality.

The V HDA Series comprehensive and intuitive control interface features a single knob and a large LCD display for controlling the sound level and 2-band EQ. 5 presets (MUSIC, LIVE, DJ, MONITOR, SPEECH) allow to tailor the system's sound in order to get always the best sound for all kind of applications. The CORE DSP includes also an intelligent Dynamic EQ with three different presets, able to adapt dynamically the sound equalization and to obtain always the best acoustic response at any signal level.

This impressive set of features and technology is packed into one of the most compact and lightweight package available in its class, combining maximum portability with top performance.

1" CELESTION compression driver  
 12" long-excursion woofer with 3" voice coil  
 1200 W peak Class D+AB power amplifier with SMPS  
 MIC input + LINE input  
 High-performance CORE LT DSP with LCD control  
 5 EQ presets (MUSIC, LIVE, DJ, MONITOR, SPEECH)  
 3 DEQ presets (SOFTLOUD, MAXLOUD, HFPROTECTION)  
 Front LED with ON or SIGNAL/CLIP selection  
 SPL MAX: 127 dB  
 Frequency response: 55 Hz - 20 kHz  
 Ultra-lightweight reinforced polypropylene cabinet  
 Top handle for effortless transport  
 Slanted shape for the use as a stage monitor  
 Four M10 flying points



## Technical Specifications

System type	2-way vented enclosure
High Frequency Device	1" CELESTION compression driver
Low Frequency Device	12" woofer with 3"VC
Angular Coverage	90° H x 60° V
Total peak power	1200 W
HF Amplifier Cont. Power	100 W Class AB
LF Amplifier Cont. Power	500 W Class D
Power Supply type	SMPS
Frequency Response	50 Hz - 20 kHz
Processing	CORE LT Digital Processor
Max SPL at 1mt (peak)	127 dBspl
Crossover Frequency	1800 Hz
Input Impedance	Line: 15 kohm, Mic: 2 kohm
Input Sensitivity	LINE: +4 dBu, MIC: -30 dBu

Controls	MIC LEVEL, LINE LEVEL, GND lift, DSP EDIT, LCD.
Connectors	MIC: XLR-F, LINE: Combo JACK/ XLR-F, MIX OUT: XLR-M
Power Supply	230 V~ or 120 V~ - 50/60 Hz
Rated Consumption	700 W
Construction	Polypropylene
Cabinet Colour	Black
Flying System	4 x M10 top/bottom
Handles	1 x top
Mounting Pole	1 x bottom
Monitor taper	44°
Weight	15.5 Kg (34.2 lb)
Dimensions (W x H x D)	380 x 600 x 328 mm

## Related Products

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SW118A



V15HDA

## Accessories

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COVERV12



KPTV12

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