



## V15HDA

Active Processed 2-way Loudspeaker System



## Description

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 V15HDA

System type 2-way vented enclosure  
High Frequency Device 1" CELESTION compression driver  
Low Frequency Device 15 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 45 Hz - 20 kHz  
Processing CORE LT Digital Processor  
Max SPL at 1m (peak) 128 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, 2 x sides  
Mounting Pole 1 x bottom  
Monitor taper 44°  
Weight 21 Kg (46.3 lb)  
Dimensions (W x H x D) 440 x 712 x 400 mm