

VIDEOWORKS

AUDIO / VISUAL · HOME AUTOMATION · ENTERTAINMENT · IT

The Sound



Revolution Acoustics speakers with Videoworks DSP card for internal areas

- 1_ Videoworks DSP circuit,
especially made by Leaff Engineering
- 2_ Revolution Acoustics Speakers
- 3_ Revolution Acoustics Speakers
- 4_ Installazione demo "Tech Theatre"

Thanks to a deep research within Audio, **Videoworks** is able to meet even the most demanding audiophile's needs, with a 360° sound, surrounding the listener in a unique experience.

Very little acoustics speakers, by **Revolution Acoustics**, represent the last Audio innovation. The **SSP6™ Multiducer™** can turn every surface they are installed in into real invisible sound walls.

Such speakers, compact and powerful, can be installed in a very easy way (installation time: 3 minutes) and they can be embedded into every kind of material: glass, wood, steel... they make the material itself be an acoustic surface, with unparalleled performances.

In order to obtain even better results, the **Leaff Engineering Company** developed a **DSP board**, in exclusive for **Videoworks**. The **DSP board** is a result of a *digital room correction* mathematic algorithm called *Percept*, which has been realized thanks to the collaboration with the **Università Politecnica delle Marche**.

The board is pivotal for the equalization of the sound, depending on the environment and the material the speakers are installed in, thus reproducing a better sound with repeatable and stable results.

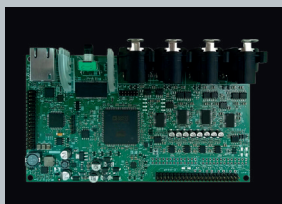
In fact, *Percept* realizes a *digital room correction* by making crucial decisions, basing on the result of the identification process and the signal nature. In this way, it reduces all the factors that can negatively influence the quality of sound: internal materials, wide reflecting surfaces, resonances, asymmetries.

Such a solution allows saving space and hiding the product itself together with the cables, while obtaining an incredible sound.

Many are the benefits of this new technology for the end users, Engineers, Architects and Designers:

- > *Optimal sound, accurate and absolutely invisible*
- > *Captivating, ergonomic sound, which uses the acoustic propagation physics*
- > *Quick installation, which cuts the waiting times and installation costs*

1



2



3



4



Revolution Acoustics® SSP6 Multiducer™

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Marine
Premium
Partner of
REVOLUTION
acoustics

Technical specs:

- > Next generation and new level of sophistication patented invisible embedded audio technology
- > SSP6 with new Rev-Loc™ universal screw on mounting plate for unparalleled ease of installation to virtually all substrates in less than 3 minutes
- > Incredible class leading acoustic fidelity while driving materials including glass, drywall, wood, fiberglass, metal, or...
- > Highest power density, best sounding transducers available using high energy magnet structures
- > Proprietary cooling technologies for better efficiency and reliability
- > Frequency range full bandwidth: (unequalized) 45Hz - 20KHz
- > Revolution Acoustics part RA-HPL to be used with SSP6 if third party amplifiers are used greater than 100W/ch
- > Subwoofer not required for general purpose audio but recommended for home theatre installations
- > Power handling up to 400W (instantaneous peak)
- > Compact Ø2.7" X 2.29" high - Rev-Loc™ included (Ø69mm X 58.1mm high)
- > Rev-Loc™ Mounting Plate Ø4.0" (Ø102mm)
- > Weight (Individual): 0.72 Kg / 1.6 Lbs
- > Impedance: 6Ω
- > Recommended amplifier per channel wattage: 60W - 150W @ 8Ω
- > Max. Continuous Thermal Power: 15W totally enclosed, 24W unenclosed
- > Transducer Accelerated Life test: fully enclosed passes EIA 426B at 9.4V (recommended amplifier power rating of 30W) 8 hour test 23C ambient
- > Transducer Accelerated Life test: unenclosed passes EIA 426B at 12.0V (recommended amplifier power rating of 48W) 8 hour test 23C ambient
- > UL 2043 fire and smoke certified for return air plenums
- > IP65 Ingress protection certified - water and dust proof
- > Packaging: 2 per box
- > Package weight: 1.65 Kg / 3.65 Lbs
- > Installation time: 3-5 minutes.
- > 70V and 100V compatible
- > Power handling 400W (instantaneous peak)
- > Lifecycle tested: EIA 426B at 12.0V, 8 hour test 23C ambient
- > EIA 426B at 9.4V, 8 hour test 23C ambient
- > Installation time: 3-5 minutes.
- > 70V and 100V compatible
- > Power handling 400W (instantaneous peak)
- > Lifecycle tested: EIA 426B at 12.0V, 8 hour test 23C ambient
- > EIA 426B at 9.4V, 8 hour test 23C ambient

Videoworks options:

Option A: CABIN SOUNDPROOFING

- > 2 Revolution Acoustics speakers
- > DSP Board and license
- > Amplifier
- > Small rack
- > Installation

Option B: CABIN + BATHROOM SOUNDPROOFING

- > DSP Board and license
- > Amplifier
- > Small rack
- > Installation
- > Arrangement for the location of speakers chosen by the client (with no obligation to chose the revolution acoustics)

References



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