

Vital™ subwoofers



 SpeakerCraft®

If It Doesn't Exist

For many years homeowners were satisfied with large cabinet speakers because there was no alternative. If a person wanted sound of any quality the choices were limited to cabinet finish and several established brands. Although sonic performance had improved greatly from the old console systems that had occupied a massive footprint in the living room, newer component systems still required a substantial space dedicated to electronics and loudspeakers.

No one had an elegant solution to this problem and people simply accepted the only products available in order to enjoy music in the home. Due to their physical size, few people would even consider speakers in more than one room so listening was relegated to the living or family room.



Invent It!

In the early eighties SpeakerCraft saw the conflict between electronic technology and interior design and set out to address the problem. Since a speaker had to be present in a room in order to function, the key was to mount it in such a way so as to make it as discreet as possible. The result of this effort was the first in-wall speaker to be produced for residential applications.

To compliment our entire line of both flush-mounted and freestanding speakers, we bring you the Vital series of subwoofers. These finely crafted and self-powered cabinets are an essential part of the impact and dynamics today's music requires. Inconspicuously placed in a corner or installed inside a wall unit, these subs will complete the sonic picture and give you realism you never thought possible.





Vital V12

Woofer: 12"
Power: Built-In 250 Watt Amp
Top-Mounted Volume Control
Frequency Response: 20Hz - 200Hz
Dual Voltage Switch: 115/230v
LFE Input

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Bass Desires

Musical reproduction has taken some incredible leaps since Thomas Edison first recorded on a rotating cylinder. Today's digital technology allows the full impact of a live musical or theatrical performance to be recreated in the home. Essential to this experience is deep, dynamic bass response.

Simple Science, Careful Execution

Making waves. That's what reproducing music is all about. It is simply waves of air that are received by our ears and translated by our brain into sound. The bigger and longer these waves are, the louder and deeper they become. Reproducing these low frequencies is critical to the music or

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theater experience. The best way to recreate the impact and dynamics of the bass in today's high performance digital recordings is with a dedicated subwoofer.

A subwoofer is a speaker/amplifier combination that is designed and built to strictly produce only the deepest bass frequencies. The drivers and electronics combine to move a massive amount of air and deliver the sonic realism you demand in a music or home theater system.

Working Together

The key to producing deep, impactful bass is to have three distinct elements working in concert with each other, **The Driver, The Amplifier and The Enclosure or Cabinet.**

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The Driver

The first is the actual driver. This is what most people refer to as "the speaker" and it is the only part of the subwoofer that actually moves. In the Vital series this driver has a 8, 10, or 12-inch diameter. The larger the diameter, the more air the driver can move. The distance the cone can move, referred to as the excursion, is also a major factor. Various suspension elements support and control this movement keeping the cone in alignment. The drivers in the Vital series are carefully manufactured to the highest tolerances and act as pistons that effectively transmit massive vibrations to the ears of the audience.

POWER

The Amplifier

Amplifying bass frequencies from the receiver or preamp requires a great deal of clean power. Most amplifiers are designed to drive a variety of loudspeakers so they must compromise. In the Vital Sub design our engineers know exactly what driver the amplifier is going to be connected to. This allows them to design an amplifier to the exact specifications required by the driver. The result is a perfect match between the two increasing the efficiency and dynamic punch, which is felt as well as heard.

The Cabinet

As both a platform that holds the driver and amplifier as well as serving as a resonant chamber, the cabinet must have excellent structural integrity.

V10



Vital V10

Woofer: 10"
Power: Built-In 120 Watt Amp
Top-Mounted Volume Control
Frequency Response: 28Hz - 200Hz
Dual Voltage Switch: 115/230v
LFE Input

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The sides and back of the Vital Subs are constructed out of ¾-inch high-density fiberboard and the front baffle that holds the driver is twice that thickness. This material is very durable and resists vibration. The space inside the enclosure is tuned to extend bass response and these frequencies exit the cabinet through two large ports in the front. The exterior is finished in black wood grain and a cloth grille is inset to cover the driver and ports. The cabinet sizes vary based on the driver size.

Fine Tuned For Performance

The Vital Subs have adjustments allowing you to create just the sonic experience you want and match the output to whatever speakers they are

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going to support. These include the crossover point and phase, which are located on the back panel. To make it more accessible, the subwoofer volume is adjusted through a recessed knob on the top of the cabinet. This makes adjusting the level possible even if the sub is installed in a wall unit or other cabinetry.

In Addition

Connections are available for either stereo inputs or an LFE channel, common in most home theater receivers. The sub automatically powers on or off based on sensing a signal from the source. It also includes an overload protection circuit to avoid damaging the amplifier or driver when signal levels are too high.

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In The Living Space

All of the technology in the world is worthless unless it can integrate into your lifestyle. The Vital subs can be placed almost anywhere in the room. Because deep bass frequencies are essentially non-directional it is not critical to have a subwoofer on the same wall or even near the full-range speakers. In many situations these subs are placed at the end of a couch with a plant or piece of art displayed on top of them. They can also be installed in a wall unit or other cabinetry and covered with a coordinated grille cloth or even a louvered door. Properly adjusted, the sound will appear to come from the main speakers and the subwoofer essentially disappears.

IMPACT

The Result

The Vital Subs will amaze you. Incredibly deep bass with tremendous impact and realism will fill your listening area and dramatically improve your sonic experience. You will feel the rumble of a train as it pulls into the station and be rocked by the explosive percussion in a live concert video. You will be transported to the battlefield as missiles detonate and automatic gunfire erupts. Waves will crash against the shore and the roar of a jungle cat will send chills up your spine.

Vital Subwoofers, laying the bass foundation for your home entertainment system.

V8



The Recessed Volume Control is accessible and yet virtually invisible.

Vital V8

Woofer: 8"
Power: Built-In 80 Watt Amp
Top-Mounted Volume Control
Frequency Response: 45Hz - 200Hz
Dual Voltage Switch: 115/230v
LFE Input

Spec



Model	Woofer	Built-In Amplifier	Auto Power	Volume Control	Dual Voltage	Frequency Response
Vital V12	12" Long Throw	250 Watts	Signal Sensing	Recessed Top Mount	115/230v	20Hz-200Hz
Vital V10	10" Long Throw	120 Watts	Signal Sensing	Recessed Top Mount	115/230v	28Hz-200Hz
Vital V8	8" Long Throw	80 Watts	Signal Sensing	Recessed Top Mount	115/230v	45Hz-200Hz

As we incorporate design improvements, specifications may change without notice.
All Vital Subwoofers come with a 2-YEAR LIMITED WARRANTY.



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