

Impact 400 & Impact 500

Not sure about using a subwoofer in your system?
Continue reading.

Active Amphion Impact subwoofers are for those people who are not sure about their subs. If nuances, tonality, speed and creating acoustic spaces are your thing rather than boom and bang, give Impact a listen. Both Impact 400 and Impact 500 are designed to form a coherent full range music and movie system with all Amphion products.

And yes, as the name implies, they do provide an engaging physical impact as well.



Technical specs

Operation principle	Prio 520
Tweeter	2-way vented
Woofer	1" titanium dome
Crossover point	5.25" long throw nomex
Nominal impedance	1600 Hz
Sensitivity (dB/2.83 V /1m)	4 ohm
Frequency response	91 dB
	50-30 000 Hz
	(in room 40-30 000 Hz)
Power recommendation	10-150 W
Dimensions H x D x W mm	1040 x 215 x 158
Enclosure material	19 mm MDF
Weight	17 kg
Colours	Graphite black, white, natural birch

Technical specs

Operation principle	Prio 520 C
Tweeter	2-way vented
Woofer	1" titanium dome
Crossover point	5.25" long throw nomex
Minimum impedance	1600 Hz
Sensitivity (dB/2.83 V /1m)	4 ohm
Frequency response	91 dB
Power recommendation	50-30 000 Hz
Dimensions H x D x W mm	10-150 W
Enclosure material	158 x 265 x 510
Weight	19 mm MDF
Colours	10 kg
	Graphite black, white, natural birch

Technical specs

Operational principle:	Ion
Tweeter:	2-way vented
Bass driver:	1" titanium
Crossover:	4 1/2" coated paper
Nominal Impedance:	1600 Hz
Minimum impedance	8 Ohm
Sensitivity:	6 Ohm
Frequency range:	86 dB
Power recommendation:	55 - 30 000 Hz, -6dB
Measurements (h x w x d):	20 - 120 W
Weight:	268 x 134 x 220 mm
Enclosure material:	4,7 kg per piece
Colors:	19 mm MDF
	Black, Silver, and White

Technical specs

Operational principle:	Ion L
Tweeter:	2-way vented
Bass driver:	1" titanium
Crossover:	5,25" Nomex®
Nominal Impedance:	1600 Hz
Minimum impedance	8 Ohm
Sensitivity:	4 Ohm
Frequency range:	87 dB
Power recommendation:	50 - 30 000 Hz, -6dB
Measurements (h x w x d):	20 - 120 W
Weight:	326 x 162 x 265 mm
Enclosure material:	6 kg per piece
Colors:	19 mm MDF
	Black, Silver, and White

Technical specifications

Amplifier

IMPACT 400 & IMPACT 500

- D- Class amplifier module
- RMS 500W output
- T.H.D. --- <1%
- Line voltage 115/230 vac switchable
- Anti-clipping circuit
- Over load protection circuit
- Phase control switch --- 0-180°
- Auto-on switch
- Auto turn-on level --- 3 mV
- Time to stand-by --- 10-15 min
- Volume control, range --- >70dB
- Variable crossover control, adjust range --- 30-100 Hz
- X-over/direct switch
- Line level input (R,L), max. sensitivity --- 80mV
- Line level output (R,L)
- Speaker level input (R,L), max sensitivity --- 2V
- Speaker level output

- Twin color LED indicator for signal ON/OFF
- Power switch
- Fuse T5AL 250V for 230V input or T9AL 250V for 115V input

Bass-unit

IMPACT 500

- Long stroke high power 12" unit with nomex- cone

IMPACT 400

- Long stroke high power 10" with Nomex cone

General

IMPACT 500

- Frequency range -3dB: 19Hz
- Measurements 390mm x 390mm x 435mm
- Weight 30 kg

IMPACT 400

- Frequency range -3dB: 19Hz

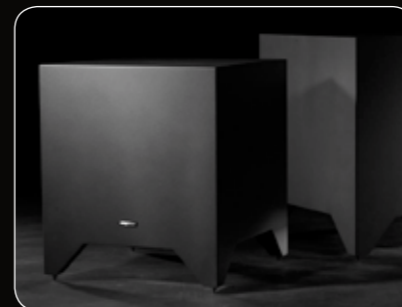
- Measurements 350mm x 350mm x 387mm
- Weight 22 kg

Filter

Filter incorporates Amphion's proprietary CSC-technology (Cumulative Stage Coupling), which increases the coherence of the whole system greatly and keeps the phase correct at all times by altering the filtering slope. When the crossover point is set higher the filtering slope steepens gradually when moving towards higher frequencies. Thus the phase changes are linear and the group delay stays minimal. At the rejection band (>150 Hz), the slope steepness is 30dB/octave (5th degree) which keeps subwoofer inaudible and thus improves stereo imaging and selectivity. CSC ensures that subwoofer and main speakers work seamlessly together in all situations. CSC filter can be by-passed by x-over/direct- switch so that Impact can be also connected to the LFE channel of the home theater amplifier.

amphion

Prio 520 | 520 C | Ion | Ion L
Impact 400 | Impact 500



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U/D/D technology
Uniformly Directive Diffusion

BAS
Bass Adjustment System



Ion & Ion L

Top notch audio accolades or award-winning industrial design?

We do not like choices* and therefore Ion and Ion L combine timeless design with pure no-compromise high end sound.

Ion's utilize Amphon's proprietary U/D/D-technology (Uniformly Directive Diffusion), which creates a uniform dispersion of sound into the room. This ensures a high level of enjoyment, even during those moments when you do not

have time to enjoy your favourite music by sitting in the ideal listening position.

The decision is yours: Ion or Ion L? White, black or silver?

*other than the 2007 Editor's Choice Award from the Absolute Sound



Prio 520 & Prio 520 C

Have you ever considered inviting a stunning Scandinavian with statuesque form and slender dimensions to your living room for a weekend visit? A word of warning: The Prio 520 is not just another pretty face. It packs a surprising package of innovation and technical finesse resulting in absolute, true audiophile performance, so be prepared to enjoy her.

The proprietary waveguide allows Prio to use a lower crossover frequency, which leads to a smoother and less noticeable crossover be-

tween woofer and tweeter. This greatly decreases intermodulation distortion, improves transient-response and ensures perfect imaging and a better time-domain integration of the drivers.

The result: You discover greater detail from your favourite music and movies and experience high levels of emotional immersion. Finally, a day dream you can share with your partner!

