

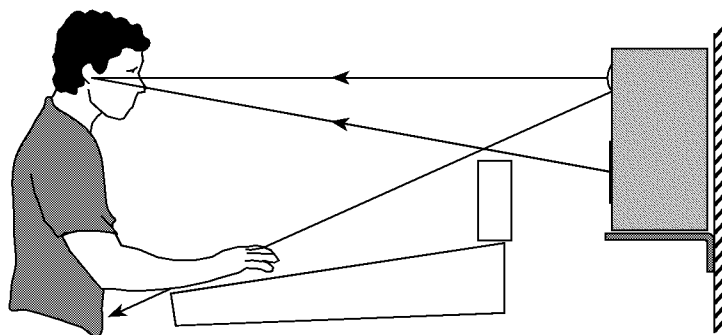
ABOUT ABSOLUTE ZERO

Absolute Zero Nearfield Monitors are designed to provide clean, undistorted sound, without the need for acoustically perfect environments or special amplification.

To achieve this, only the highest quality components are used. The Catenary-Profile soft-dome tweeter ensures minimal distortion, with extended high frequency characteristics. Not only does that mean a more accurate sound, but it puts less strain on your ears after long periods of high-volume monitoring. The LF driver features a 30mm voice coil for optimum efficiency and power handling. The electronic design of Absolute Zero's crossover uses high quality components in a circuit that embodies classically simple design principles. The vented cabinet employs a special port design that does more than simply deliver extended bass response: as a result of its carefully chosen dimensions, air turbulence is reduced, contributing to Absolute Zero's smooth, uncoloured low frequency characteristics. Although Absolute Zero is very adaptable, a few basic considerations will ensure the best results.

POSITIONING

Absolute Zero is designed for nearfield monitoring applications, such as recording studio-video editing-multimedia-and HiFi/AV systems, so the distance from the speakers to your ears will be shorter than for traditional monitors. This means that the reverberation time and general acoustics of the listening room are less critical. Hard surfaces will, however, reflect higher frequencies, so try to avoid putting Absolute Zero close to side walls. The control surface of your mixing console may also pose a problem. To minimise control surface reflections, position Absolute Zero as shown in the illustration, using the meter bridge or rear panel to stop sound from both drivers reaching the control surface. Make sure that your ears can "see" both HF and LF drivers. If your console has no meter bridge, try positioning the Absolute Zero's higher or further behind the desk. Absolute Zero is designed to be used in the upright position, but if horizontal placement is unavoidable, position them with their high frequency drivers to the outer edges. Absolute Zero's low frequencies will generally sound better if the cabinet is against the wall. If possible, provide a rigid surface (e.g. shelf) that is separate from the mixing console and other equipment. The speakers should form an angle of approximately 60° in the listening position, and should be angled towards the listener(s).



Specifications	
Power Handling (Typical Music Signal content)	95 Watts RMS
Frequency Response (+2dB, -3dB)	80Hz-18kHz, (-2dB) 40Hz-20kHz (-10dB)
Impedance	8Ω nominal
Crossover (4th order acoustic Linkwitz-Riley)	2.5kHz
Sensitivity (half space)	89dB/2.83V/1m
Driver complement	170mm LF/25mm HF
Dimensions (HxWxD)	320 x 230 x 290mm 12.6 x 9 x 11.4 inches
Weight	12kg (25.7lbs) per pair

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AMPLIFIER POWER

Absolute Zero can be powered from most good quality amplifiers: it has a long-term power rating of 95 Watts RMS with typical music signals, though a higher output amplifier (up to 150 Watts into 8Ω) may be used with caution. It is important to ensure that the amplifier is not driven to “clipping”, i.e. overload distortion which can harm the speakers, or that highly compressed material with a predominant low frequency content is not played continuously when driving from a high powered amplifier.

TERMINATION

Although it may be possible to connect the speakers by stripping the ends of the wire and then clamping them with the terminals, it is better practice to terminate the cable ends with a 4mm plug or a 6mm fork terminal. This will avoid fraying of the ends of the cable, and prevent corrosion of the matching surfaces.

CABLES

Although it may be possible to hear differences between one cable and another, most users will find that a good tonal balance will be obtained by using a reasonably heavy gauge multi-stranded copper cable.

For shorter runs between amp and speaker, 1mm cable will be sufficient. Over 5 metres, proportionally thicker wire is advised, e.g. 4mm on a 20 meter cable run.

WARRANTY REGISTRATION

1. Owner means the purchaser of the Equipment from Spirit by Soundcraft or its dealer, who is the legal and beneficial owner at the time the Warranty claim is made.
2. Dealer means the person other than Spirit by Soundcraft (if any) from whom the owner purchased the equipment, provided such a person is authorised for this purpose by Spirit by Soundcraft.
3. Equipment means the equipment sold with its warranty sheet.
4. If within the period of twelve months from the date of the delivery of the equipment to the owner. It shall prove defective by reason only of faulty materials and/or workmanship to such an extent that the suitability for the purpose for which it has been designed is materially affected. The equipment or with the consent of Spirit by Soundcraft or the dealer, the defective component should be returned to the dealer or to Spirit by Soundcraft and subject to the following conditions the dealer or Spirit by Soundcraft will repair or replace any defective component. Any equipment or component replaced will become the property of Spirit by Soundcraft.
5. Any equipment or component returned will be at risk of the owner whilst in transit (both to and from the dealer or Spirit by Soundcraft) and postage and/or delivery charges must be prepaid.
6. This warranty shall only be available if:
 - a) the warranty registration has been returned to Spirit by Soundcraft within thirty days of purchase of the equipment by the owner.
 - b) the equipment has been properly installed in accordance with instructions contained in Spirit by Soundcraft's manual.
 - c) the owner has notified Spirit by Soundcraft or the dealer within fourteen days of the defect appearing.
 - d) no persons other than authorised representatives of the Spirit by Soundcraft or the Dealer have effected any replacement of the parts or carried out maintenance, adjustments or repairs to the equipment.
 - e) the owner has used the equipment only for such purposes as Spirit by Soundcraft recommends, with only such electrical and operating supplies as meet Spirit by soundcraft's specifications and otherwise in all respects in accordance with Spirit by Soundcraft's recommendations.
7. Defects arising as a result of the following are not covered by this warranty: mishandling, chemical, Electro-chemical, Electro-magnetic or electrical influences, accidental damage, acts of God, neglect, deficiency excess or surges in electrical power, air-conditioning or humidity.
8. The benefit of this warranty may not be assigned by the owner.
9. Owners who are consumers should note that their rights under this warranty are in addition to and do not affect any other rights to which they might be entitled against the seller of the equipment.

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