



0900

Passive Studio Subwoofer

Operating Instructions



Safety Instructions

It is absolutely essential that you read these safety instructions carefully before connecting and using this K+H product. Your safety depends on it. Failure to follow these instructions voids the warranty.

To ensure safe operation for years to come, keep these instructions in a safe place for future reference. K+H has manufactured this product in accordance with IEC 92 (SEC) 39 standards, then tested and delivered it in safe operating condition. To maintain it in this condition, you must:

- observe all safety instructions
- use the product only as described herein
- have any maintenance, repairs, or modifications performed only by K+H or other authorized personnel
- ensure that the room in which you use this product is wired in accordance with the local electrical code

Warning!

- When the interior of the cabinet is exposed, touching some parts can lead to an electric shock.
- If you need to gain access to the interior electronics of the unit, always disconnect the unit from any and all power sources first.
- Any repairs, maintenance, or other service of the unit when its interior compartment is exposed may only be performed safely (in accordance with VBG 4) by authorized technicians familiar with all the risks involved. Even in an unplugged state, a risk of electric shock is possible.
- If you need to replace any fuses, ensure that the replacements are of exactly the same type, value and voltage as the originals, as spelled out in the technical specifications at the rear of this manual.
- Do not use "repaired" fuses.
- If you do not have fuses of the specified size, type and value, do not hot-wire the contacts in the holder by short-circuiting them.
- Certain areas of the cabinet, cover, and rear panel can achieve extreme temperatures and are therefore marked with a "HOT" label (Fig. B). Refrain from touching any heat sink or ventilation grille.
- High volume levels are known to cause permanent - i.e. irreversible - hearing damage, especially when listened to without sufficient breaks. The higher the levels, the more frequent and extended must be the breaks. Avoid standing too close to loudspeakers that are being driven at high levels. If you must be exposed to high sound pressure levels over an extended period of time, use hearing protection.



Fig. A



Fig. B

Mains Connection:

- This unit is designed for continuous operation.
- Ensure that the operating voltage of the unit matches that of the local mains current (AC line voltage).
- Always check before connecting the power cable to the mains socket that the power switch on the unit itself is set to off ("0").
- Use the power cable or power supply that came with the unit to connect to the mains socket (wall outlet).
- Power supply: a damaged power cable may not be repaired. Use a new cable.
- Avoid plugging the mains cable into a power strip that already has several other power-consuming devices connected to it.
- Avoid using extension cables. The unit must be connected to a mains socket close to it, and that socket should be freely accessible.

Installation:

- Installation and overhead rigging of this product must be conducted by a qualified professional according to applicable local, national and international codes and standards. Mounting brackets supplied by the manufacturer must be attached to appropriate hardware and attachment points rated and intended for such use.
- Do not expose this product to vibration.
- Do not operate this product anywhere near water or other liquids. Do not use it near a sink, swimming pool, bathtub, or in any damp room or area. Electrical shocks carried through water can kill. Do not place any beverages whatsoever on or near this product, as liquids can kill electronic components.
- Ensure sufficient ventilation around the product to allow for adequate heat dissipation, especially near the rear panel and the sides of the cabinet (minimum of 8 inches from the nearest wall). The unit may only be installed in a rack if measures are taken to ensure sufficient ventilation and if the mounting instructions of the manufacturer are followed. Do not block or cover any heat sink, fan, or vent.
- Keep this product a safe distance away from radiators and other heaters of any kind.
- If you bring this product from a cold environment into a warm one, it is quite possible that condensation will form inside the cabinet. Please allow the unit sufficient time for acclimation to room temperature (minimum thirty minutes) before connecting and powering up.
- To avoid accidents, do not use any accessory equipment with this product that is not approved by the manufacturer, particularly mounting accessories.
- Do not place this unit on any unstable platform, cart, stand or table. If the unit falls, it can cause bodily injury to persons, or can be damaged itself.
- To protect this product from lightning damage during a thunderstorm or from power surges during an extended absence, disconnect the power cable from the wall outlet.

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0900 Subwoofer
with 0500C Main Monitor

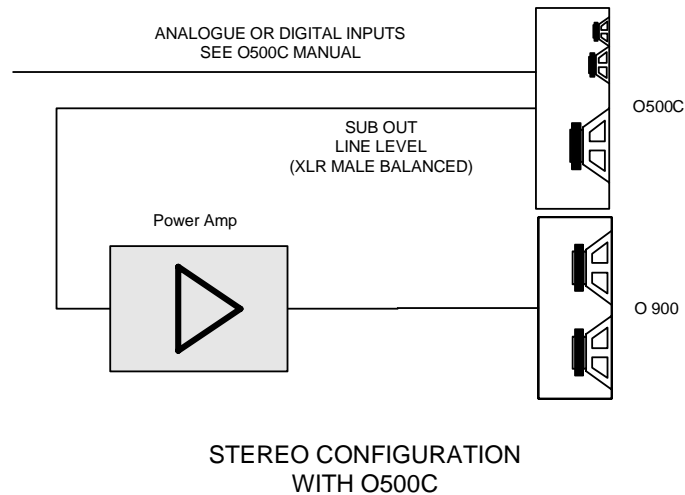


Introduction

The O900 is a dual 12" subwoofer designed to extend the low frequency system response down to 17 Hz. It is a passive unit and requires an external audio power amplifier for operation.

Connection

When using the O900 with an O500C main monitor system connect the speaker as follows:



For other bass managed configurations the power amplifier driving the O900 would be connected to the subwoofer out connection of the bass manager or monitor switching electronics.

The rear panel connectors on the O900 are two Speakon NL4 for Input and Through wired in parallel. Pins 1+ /1- are connected to both drivers in parallel. The pins 2+ /2- are not used and are not wired through.

Warranty

Please store the original carton in a safe, dry place. If you should ever need warranty service, put the unit in its original packing material and carton together with a detailed description of the problem, and ship it (freight prepaid) to the dealer where the unit was purchased.

K+H warrants that the product is free from any defects in both material and workmanship and that it meets the specifications published at the time of manufacture. A warranty case can only be acknowledged under condition that the complaint is filed to our distributor in writing within 8 days after delivery or detection of the fault. Not covered under this warranty are damages due to non-professional packing and shipment, wear and tear, improper handling, improper installation, improper operation or improper maintenance.

The limitation period for warranty claims is described in the terms and conditions of K+H mBH. It is our choice to repair, to supply a new product or to withdraw from the contract.

In the event warranty service is requested, presentation of a warranty card is not necessary. Proof of purchase date can be made by filing copies of appropriate documents (i.e. invoice or delivery notice).

Technical Specifications

Acoustical and Electrical

Frequency Response	17Hz – 200Hz 15Hz – 220 Hz	+/- 1.5 dB, free field, controlled by O500C or Pro C28 +/- 3 dB, free field, controlled by O500C or Pro C28
Power Handling	300 Watts 1200 Watts	continuous peak
Peak Sound Level	116.4 dB-SPL	averaged between 40 Hz and 6kHz
Internal Volume	120 Litres	net
Magnetically Shielded	Yes	
Driver Size	Dual 12"	
Impedance	4 Ohms	(dual 8 Ohm drivers in parallel)
Connections	Input, Through	(2) Speakon NL4 connectors wired in parallel 1+, 1-

Mechanical

Cabinet Surface	Painted Finish	
Color	Anthracite (RAL 7021) Silver, white, RAL custom	standard by special order
Grill	Removable metal	
Mounting	Support stand socket on bottom	
Height x Width x Depth	15.8" x 37.4" x 20.2"	
Weight	114.5 pounds	
Mounting Hardware	LH 37 tripod stand adaptor	

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