



SUB2400 SUBWOOFER

Introduction

Please read this manual carefully before using the product. This will give you the necessary product and installation instructions to assure a seamless installation and non-compromised overall sound quality.

Thank you for purchasing loudspeakers of the SUB series.

The SUB2400 subwoofer has two band pass chambers where each chamber is equipped with a 10" dual coil woofer. Together with the push-pull technology this results in a relative small cabinet with a huge output and very low distortion. Thanks to the small size of the woofers, less mass has to be moved. The bass reproduction is a lot more "punchy" and "faster" compared to 15" or 18" cabinets. The SUB2400 has been compared with a single 15" and 18" subwoofers and the results were astonishing in favor of the SUB2400!

SUB2400 can be driven at 4 ohms or 16 ohms. Selection is done by the large switch at the back of the subwoofer. Especially with long cable runs, the 16-ohm mode is advised. Less power is lost and the bass response will be a lot better. The 16-ohm mode also allows you to use multiple cabinets.

Safety Instructions

- Keep this manual for future reference.
- Take care of your speaker wires. They should be free of damage.
- Damaged speaker wires may result in poor sound quality and can damage amplifiers.
- No main power shall be connected to the speakers. Doing so will damage the speaker.
- This speaker should only be serviced by qualified personnel. If not, warranty might be void.
- Use cables of the right gauge, especially for long runs.
- Use cables with clear color indication and maintain polarity throughout the whole system.
- Avoid loud feedback, which can seriously damage speakers.
- Clean only with dry cloth.
- Do not operate near heaters or place it on other apparatus which produce a lot of heat.
- Only use accessories specified by the manufacturer.
- Make sure the mounting surface can easily support the speaker's weight.
- Use only industry-accepted rigging tools and methods.
- Use a sufficient number of loudspeakers to avoid dead spots.
- Being exposed to loud levels over a long time can cause severe hearing loss.
- Don't forget to consult the local regulations regarding producing sound in public places.
- Please check the unit's condition after unpacking. If the outside of the carton box has been damaged, inform your shipper immediately.

PASSIVE PROFESSIONAL SUBWOOFER

Features & Benefits

- Neutral black or white design
- Mon 4 or 16 ohm driven
- Band pass (6th order)
- Dual coil 10" subwoofers in push pull configuration
- 600 W continuous power handling
- Smooth punchy bass



Installation

The -1/-2 and the +1/+2 speakon connectors are wired in parallel. The rocker switch gives you the option to turn your SUB2400 into a 4 or 16 ohm version.

To get the best result in producing low frequencies, you should keep the minimal impedance of your subwoofer system as high as possible, certainly when cables of more than 10 meters are used. Four subwoofers at 16 ohm will produce a higher sound pressure than two subwoofers at 4 ohm. The 16-ohm subwoofer will also draw less power from your power amplifier!



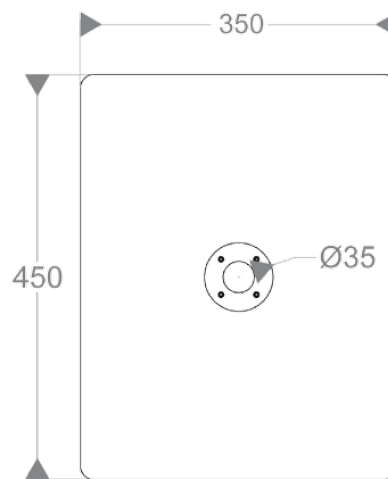
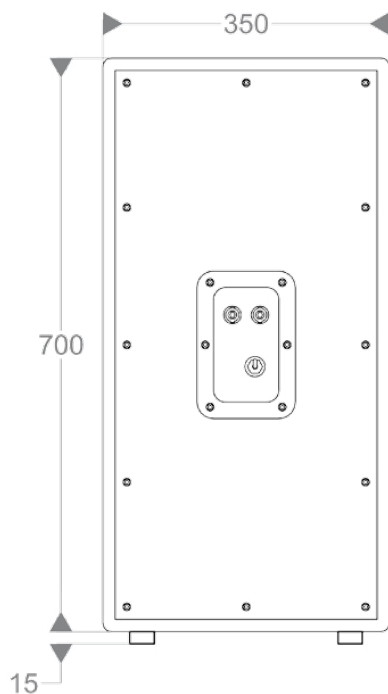
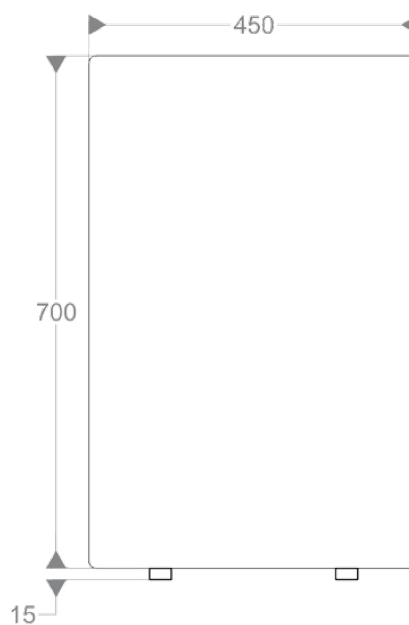
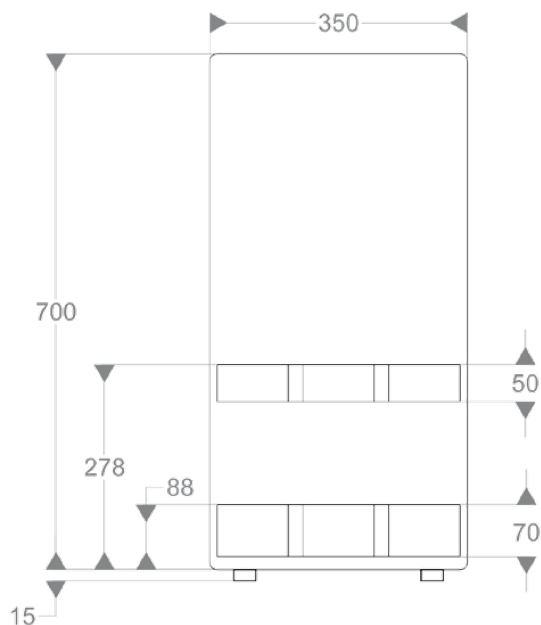
Recommended cable length vs. load vs. cable diameter		
Load	2.5 mm	4 mm
2 ohms (2 x SUB2400 at 4 ohms)	< 7.5 m	< 12.5 m
4 ohms (4 x SUB2400 at 16 ohms)	< 15 m	< 25 m
8 ohms (2 x SUB2400 at 16 ohms)	< 30 m	< 50 m
16 ohms (1 x SUB2400 at 16 ohms)	< 60 m	< 100 m

SUBWOOFER CONFIGURATION

The SUB2400 is a perfect match with the CHAMP-3D, Voltera A, or Voltera D and all Desono Loudspeakers.

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Technical Drawing



(mounting hole for STSUB only available on the black model)