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|---|---|-------------------------|
| 1) Volume control                                   | 5) Low level input from amplifier (LFE)         | 9) ON/OFF indicator     |
| 2) Low pass crossover control (variable 50Hz-100Hz) | 6) Line in/out from/to amplifier (Line IN/OUT)  | 10) Mains switch        |
| 3) Phase adjust 0° - 180°                           | 7) Speaker Level input (from amplifier)         | 11) Mains cord (230V)   |
| 4) Standby mode switch- Auto or ON                  | 8) Speaker Level output (to satellite speakers) | 12) Fuse (placed under) |



**WARNING !**

To reduce the risk of electric shock, do not open or remove cover or back. Do not expose this appliance to rain or moisture. In case of malfunction consult qualified service personnel.



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point, within an equilateral triangle, is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

# INSTRUCTIONS

**Congratulations to your choice of Audio Pro subwoofer and to a new sound experience.**

**Audio Pro subwoofer** is a unique product built with advanced technique. It is very easy to handle and install. It is equipped with the unique Audio Pro **ace-bass** technique combined with the built-in amplifier, the long throw woofers and the extremely solid cabinet offers a natural and deep bass reproduction at sound levels you never thought existed.

The **Audio Pro subwoofer** offers extraordinary performance and lots of possibilities. In order to get the most out of your new subwoofer, we recommend you to spend time and carefully read these instructions before you connect and start up your system.

## What is ace-bass ?

Normally, speaker design is bound to follow the laws of physics. The consequence will be, to get deep bass, the speakerbox must be very large. With the ace-bass technique we can "change" the laws of physics in the way that the driver believes it is placed in a much larger speaker box.

Furthermore, the ace-bass technology improves the driver performance. With the ace-bass technique, we can design smaller subwoofers with deeper and cleaner bass.

## 1. UNPACKING

Carefully unpack the Audio Pro subwoofer and check for any damages. If possible, keep the cartonbox if future transportation is needed.

You should immediately contact your dealer if the subwoofer is damaged .

## 2. INSTALLATION

There are different methods to connect your subwoofer to a HiFi / Home Theater system. In the following we explain different ways. ***NOTE! Do not connect the mains cord until all other installation is completed.***

### 2.1 To an amplifier / pre-amplifier with Subwoofer-out terminal, or pre-out/ main-in

Connect the enclosed cord from the subwoofer-output of your home cinema amplifier to **LFE IN** on the subwoofer. When the LFE input is used, the built in Low Pass filter in the subwoofer is bypassed. You can also connect to **Line IN**. (Then use the enclosed Y adaptor). In this case the Low Pass filter is in use. You can adjust upper frequency between 50Hz to 100Hz. If you have a Dolby Pro Logic amplifier, you must connect it's Sub out to the Line IN of the subwoofer.

It can also be connected by using the Pre-out/Main-in from a two channel preamplifier/amplifier. The audio signal is now connected from the Pre-out terminal to the Line IN on the subwoofer. By using the Low Pass control, the upper frequency of the subwoofer can be continuously adjusted from 50Hz-100 Hz. Signal is brought back to the amplifier from Line OUT to Main-in on the amplifier.

Note: This connecting method requires 2 sets of RCA cables. These are not enclosed.

### 2.2 To Speaker output terminal (High level)

Connect speaker cables from the speaker terminals of your amplifier to the Speaker Level input of the subwoofer. Carefully check the polarity of the cables (+ to + and - to -). Connect both Left and Right channels. The satellite speakers are connected to SPEAKER OUTPUT on the subwoofer. Again, carefully check the polarity (+ to + etc). In this installation, the satellite speakers HIPASS crossover frequency is automatically set to 100 Hz. If you want the speakers to perform full frequency range, connect them to the main amplifier Speaker Output.

## 3. FUNCTIONS

### Power switch (10):

To switch the subwoofer amplifier to ON or OFF mode. Make sure it is turned **OFF** during installation. Turn OFF the subwoofer when it will not be used for a longer period of time.

### Standby switch (4):

**In Auto mode:** The amplifier enters automatically the standby mode if no signal has been detected for about 20 minutes. It automatically enters ON mode when signal is detected again.

**In ON mode:** The amplifier will be permanently ON.

### Main Power indicator: (9)

The red indicator shows if mains switch is ON or OFF. Red light - subwoofer is ON or in standby mode.

### Power indicator: (Blue on front)

The blue indicator shows the operation status. Blue light on - the subwoofer is on. Blue light off - the subwoofer is either OFF or in Standby mode.

### Volume control (1):

The output level of the subwoofer can be adjusted. Use the Level control carefully, remember that program material may contain very high energy.

### LowPass (2):

The Lowpass crossover frequency can be adjusted continuously between 50 and 100Hz. This gives you a unique possibility to perfectly match the Subwoofer to your satellite speakers. The lowest frequencies will be reproduced only by the subwoofer.

**Note: When the subwoofer is connected via LFE, the Low Pass filter is bypassed.**

### Phase adjustment (3):

The placement of the subwoofer can have effect on the phase between subwoofer and speakers. With the phase adjustment the phase can be adjusted continuously 0 to 180 degrees.



