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ACE-BASS 3

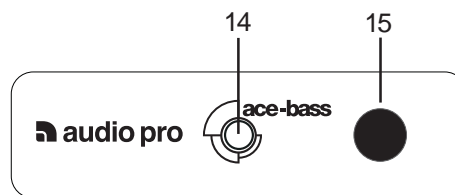
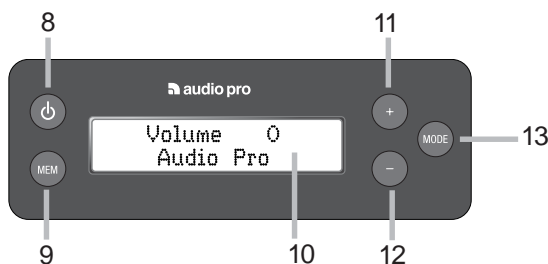
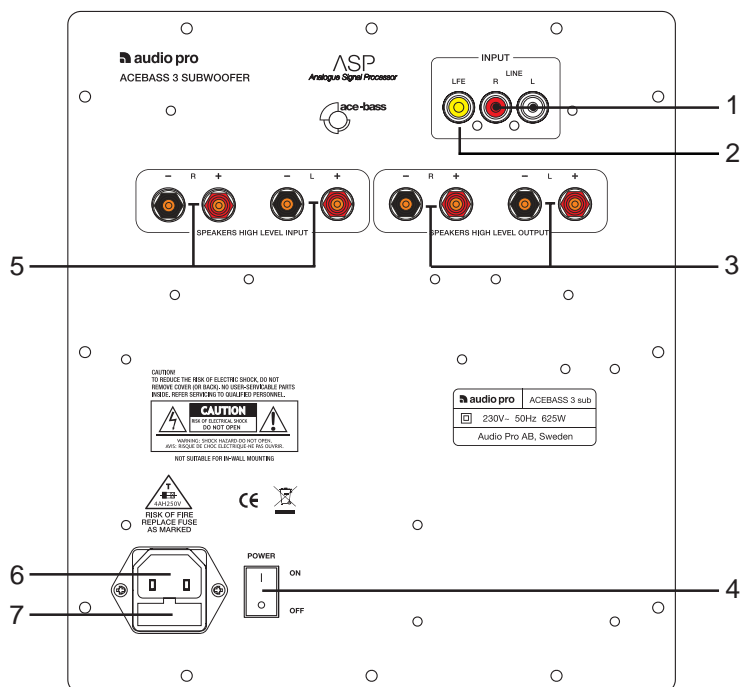
Subwoofer

including:



ASP

Analogue Signal Processor



- | | | |
|-------------------------------------------------------|--------------------------------------------|----------------------|
| 1) Line in from amplifier
(Line IN Left and Right) | 5) Speaker Level input
(from amplifier) | 10) Display |
| 2) Low level input from amplifier
(LFE) | 6) Mains cord (230V) | 11) + button |
| 3) Speaker Level output
(to speakers) | 7) Fuse
(placed under) | 12) - button |
| 4) Mains switch | 8) Standby switch | 13) Mode button |
| | 9) Memory button | 14) ON/OFF indicator |
| | | 15) Remote sensor |



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 **ASP** (Analogue Signal Processor), 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. Also refer to the separate ASP manual.

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.

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 ASP module in the subwoofer is bypassed. Note that the **ASP** functions are not available with this connection. You can also connect to **Line IN**. (Then use the enclosed Y adaptor). In this case the ASP module is in use and all **ASP** adjustments can be made. You can adjust several parameters using the ASP.

Note: If you connect by LFE, the ASP functions are not available.

2.2 To Speaker terminal (High level)

Connect speaker cables from the speaker terminals of your amplifier to the Speaker Level input on the subwoofer. Carefully check the polarity of the cables (+ to + and - to -). Connect both Left and Right channels. The speakers are connected to SPEAKER OUTPUT on the subwoofer. Again, carefully check the polarity (+ to + etc). In this installation, the speaker signal is by-passed through the subwoofer amplifier. You can adjust the subwoofer performance using the **ASP** functions.

You can also connect with parallel speaker wires from your amplifier. One pair wires to the speakers and one pair wires to the subwoofer.

3. FUNCTIONS

Main power switch (4):

This switch is located on the amplifier panel.
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. When main power is OFF, the display indicates nothing. When main power is on in standby mode the display indicates POWER OFF.

Standby switch (8):

This switch is located on the display panel. Press to turn ON or OFF (standby mode) if the main power switch is set to ON.

The amplifier enters automatically the standby mode if no signal has been detected for about 30 minutes. It automatically enters ON mode when signal is detected again.

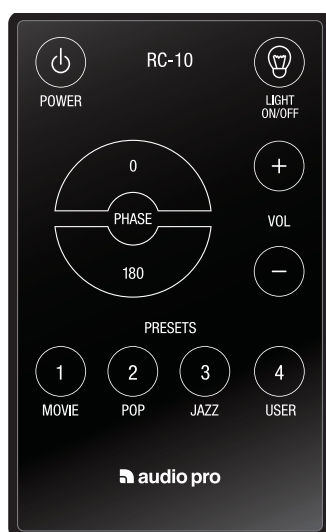
The display panel indicates POWER OFF when in standby mode.

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.

Remote control:

With the enclosed remote control you can adjust volume and phase, control Standby ON/OFF and adjust the display light dimmer (3 steps). Here you also find four factory presets. User preset can be changed and stored in the memory.



ASP functions

All ASP functions are controlled by the display panel located on top of the subwoofer.
Choose the function to be adjusted with the MODE button. Adjustments are made using the + or - buttons.

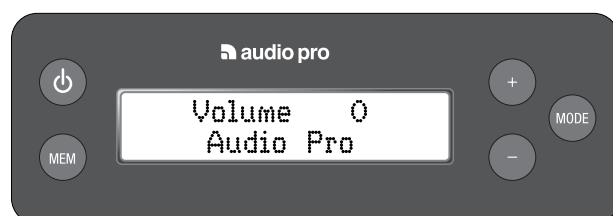
(Volume and phase can also be adjusted from the remoter control.)

For more information see the separate ASP manual.

Following can be adjusted by the ASP module:

Volume
Crossover
Slope
Subsonic
Bass Equalizer
Phase

Note: If the connection is made by LFE-input, the ASP function is not available.



4. PLACEMENT

Your Audio Pro subwoofer is designed to produce music information in the frequency range below 100 Hz. The human ear is being deprived the ability to localize sound of these low frequencies why the placement of the subwoofer is not critical. Audio Pro subwoofers steep lowpass filters make the placement easier to fit into your listening room. However you can use the nature of the acoustic laws in the following ways:

1. To get the most amplification of the room itself, place the subwoofer close to a corner at a distance of about 10 cm from the walls. If you get too much bass, move the subwoofer slightly out from the corner.
2. By experimenting with the placement of the subwoofer, you can optimize the sound quality. Just moving the subwoofer 0,5 M can dramatically change the sound balance. One good rule is to place the subwoofer at the same wall as the satellite speakers.
3. Never cover the subwoofer or place it where the built-in amplifier will be covered.

5. TROUBLESHOOTING

If you should face any problem with the subwoofer function, please check following points. If the problem remains after checking these points, please contact your dealer.

1. Check that all connections have been made properly. Check if any of the cables are damaged or short-circuit.
2. Audio Pro subwoofers has a sophisticated overload protection. This protects your subwoofer from damages caused by too high volume setting.

6. TECHNICAL SPECIFICATIONS

Amplifier(RMS):800 Watt
 Woofers:.....2 x 10" Long Throw
 Frequency range:.....20-100Hz
 Lowpass filter:.....40 - 100Hz, 12-48dB/octave
 Dimensions: (W).....390 mm
 (H).....458 mm
 (D).....390 + 24 mm
 Weight:(net):.....24,2 Kg

Specifications may be changed without notice, Audio Pro follows a policy of continuous advancement in development