



OWNER'S MANUAL

VIRTUOSO LE (LIMITED EDITION)

HIGH DEFINITION
3-WAY/DOWN FIRE VENTED SYSTEM
LOUDSPEAKERS



ACOUSTIC PREFERENCE D.O.O.
HANDCRAFTED IN SLOVENIA-EU

-WARNING-

TO REDUCE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPEMENT TO RAIN OR MOISTURE.

CAUTION!

NO USER-SERVICEABLE PARTS INSIDE. DO NOT REMOVE DRIVERS OR BACK TERMINALS. REFER SERVICING TO QUALIFIED PERSONNEL.

Changes or modifications of this loudspeakers will void the warranty.

IMPORTANT SAFETY INSTRUCTIONS!

PLEASE READ BEFORE OPERATING THIS EQUIPMENT:

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not expose this apparatus to dripping or splashing and ensure that no object filled with liquids, such as vases, are placed on the apparatus.
6. Do not install near any heat source such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Never expose this product to extremely high or low temperatures.
7. Clean wooden surfaces only with a dry cloth and specialty wood cleaners.
8. Do not touch the membrane of the speaker drivers.
9. Connect unit in accordance with the manufacturer's instructions.
10. Protect the loudspeakers chord from being stepped on or pinched, particularly near the plug and at the point where they exit from the unit.
11. Servicing by qualified personnel is required when the unit has been damaged in any way.
12. This apparatus is capable of producing high sound pressure levels. Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised and ear protection is recommended when playing at high volumes.
13. Always keep electrical equipment out of the reach of children.

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1. ABOUT VIRTUOSO LE (Limited Edition of 20 pairs)

The Virtuoso LE is a 3-way, down fire bass reflex loudspeaker, distinctive by its topmost design and dramatically realistic sound. Because of its power-handling and sensitivity, it is suitable for most audio systems. It will fit in midsize to large rooms, sonically and visually. Each Virtuoso LE speaker is a unique and exclusively handmade product. Every pair is inspected, matched, tested and approved in Acoustic Preference labs before being sent to the customer.

Each pair of VIRTUOSO LE (limited Edition) has a Limited Edition CERTIFICATE and will be produced in 20 pairs only.

2. TECHNICAL SPECIFICATION

Loudspeakers specification:

- 3-way/ vented system (down fire)
- 12 dB oct. / LKR / 300Hz / 3000Hz crossover
- Nominal power, 250 W
- Impedance, 6 Ohm
- Frequency response, 35 Hz – 40 kHz
- Sensitivity, 92 dB / 1W/ 1M
- Dimensions: 250 (300 base plate) x 430-530 x 1260 (1320 with rubber wheels-Spikes) mm (W x D x H)
- Weight: approx. 60.0 kg/unit.

Cabinet

- *Prestigious real wood veneers - integral construction system,*
- *Linear tuned Dispersed “down fire” bass reflex system,*
- *Double non-resonant UNR housing construction, separate high / mid section from bass section,*
- *Each pair with its own Limited edition serial number(XX/20) on the aluminum terminal plate.*

Tweeter (SCANSPEAK Illuminator-Beryllium)

- *26 mm High Performance Beryllium Diaphragm (99% Pure Be), made at Scanspeak Ltd.*

Mid-section (Custom made / high grade from AT)

- *1 x 150 mm - High performance Kapton coil midrange unit custom made at AudioTechnology Ltd made for AP*

Bass-section (Custom made / high grade from AT)

- *2 x 180 mm - High performance Kapton coil woofer units, custom made at AudioTechnology Ltd for AP.*

Crossover

- *Mundorf Air Foil Coils, 99.99% pure OFC copper with Polypropylene insulation.*
- *Mundorf Supreme Audio Grade MKP capacitors.*
- *High quality Rhodium plated Bi-wire terminals*
- *Point-to-point crossover construction with pure OFC Jantzen internal wiring (Limited Edition)*

3. HANDLING

Follow all the enclosed instructions for unpack and setting up the loudspeakers.

HOW TO UNPACK THE LOUDSPEAKERS:

Packing no.1: After removing the external cover of packing no.1, grasp the straps to lift the loudspeaker out of the packing box.

Packing no.2 and no.3: first check the direction on outside marks (arrows marking-for upper side). After removing the external cover of wooden crates (wheels on loudspeaker housing are on bottom side), drag the straps and drive out the loudspeaker from the packing box.

PROTECTIVE GRILLS:

Virtuoso LE loudspeakers are without protective grills.

HOUSING SPACERS:

Each Virtuoso LE loudspeaker is composed from two housings.

Bottom housing (bass section) and upper housing (mid and high section) are separated with special spacers.



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SPIKES, WHEELS:

For easier move and positioning on Virtuoso LE loudspeakers are mounted rubber wheels. You can always replace it with spikes or feet that you prefer.

Just unmount the original rubber wheels, under them is black square shape aluminum plate with 4 holes. Use the screws from wheels and screw the aluminum plate into existing holes. Now you can use any spikes and feet with M6 thread.

JUMPERS, TERMINAL BRIDGES:

Before use, you must connect Internal output connectors on Bottom housing (bass section) with Internal Input connectors on upper housing (mid and high section), with wire jumpers (black and blue). Wire jumpers are in AP textile bag.



Remove terminal jumpers/bridges on bottom housing if using bi-wire connection. Always use insulated terminal jumpers/bridges.

4. PLACEMENT

All loudspeakers interact with the environment in which they are placed. Loudspeaker performance is influenced by the size, shape, and contents of the listening room as well as the placement of the loudspeaker within the room. The distance between the speakers and the rear wall should, ideally, be between a half and a full meter. (For the best stereo imaging and a sense of spaciousness, place the speakers at equal distances from the primary listening position and the side walls; move speakers closer to the corners or walls of the listening room to increase bass response).

Remove all obstructions between speakers and the primary listening position. For instance, a coffee table between a speaker and the primary listening position will degrade stereo imaging and timbre. Placing a speaker near large objects may also cause unwanted reflections.

In home theatre systems, the magnetic radiation of the loudspeakers must be taken into consideration. It is strongly advised to refrain from placing front loudspeakers closer than 50cm from your TV. The distance between the speakers should be slightly less than the distance from the speakers to the listening area. For the best stereo imaging and sound staging, the listener should be equidistant from the 2 speakers. The angle at which the speakers are aimed at the listener will vary from room to room. We recommend the following two alternatives:

- 1) Position the loudspeakers parallel to the rear wall (widen the soundstage).
- 2) Toe the loudspeakers in to aim at the listening area (optimal stereo imaging and timbre).

Experimentation is vitally important to achieve optimum results in any given environment.

5. CONNECTIONS

Turn off all audio system power before making any connections. Use high-quality loudspeaker cables. The length and type of speaker cable used for your system will have an audible effect. Make all connections observing the proper polarity, positive-to-positive (+) and negative-to-negative (-). Most speaker cables are marked so that it is possible to distinguish between conductors by the color of the insulation or by a white stripe or small raised edge along one conductor. Correct phasing of the speakers is vital for sound quality.

Connecting your Virtuoso LE loudspeakers

1. Connect one pair of loudspeaker wires to the input connectors on loudspeakers. Then connect the same pair of loudspeaker wires to the desired power amplifier output channel.
2. Repeat step 1 to connect the second loudspeaker to a separate power amplifier output channel.

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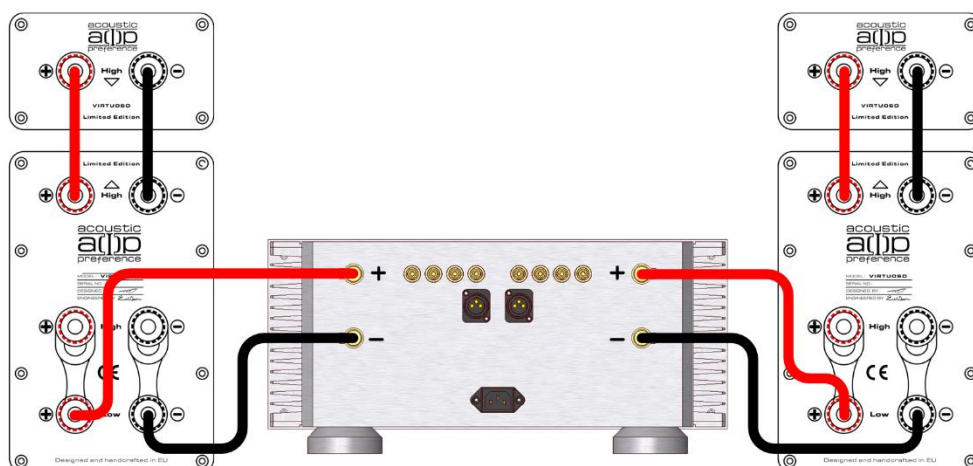


Figure 1: Connection with single stereo amplifier. Use jumpers/bridges.

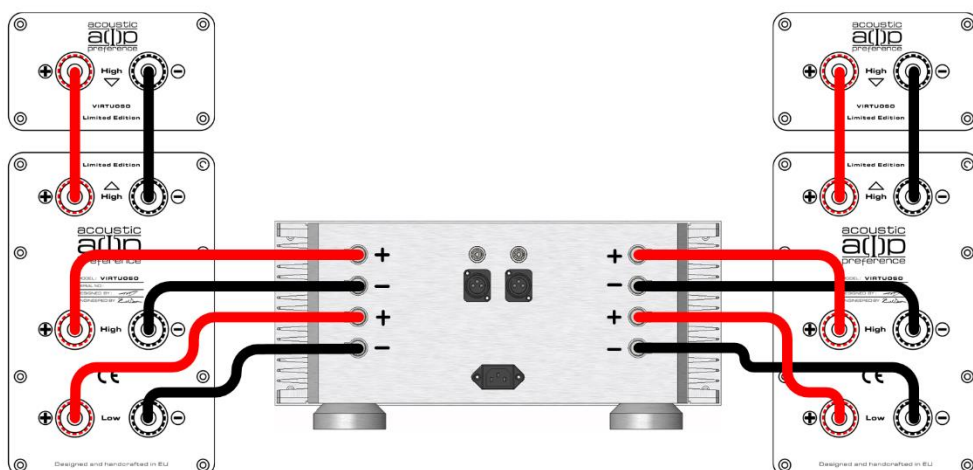


Figure 2: Bi-wire connection with single stereo amplifier. Remove jumpers-bridges.

NOTE: For other kind of connections, like bi-amping with multiple amplifiers please use manuals from amplifiers manufacturers.

6. USING

- After the correct installation and connection of the speakers, first check the settings of your audio amplifier/receiver.
- Never use unprotected/uninsulated jumpers/bridges for connecting the +/+ or -/- connectors, as this may cause a short circuit.
- Never insert metallic or conductive objects in connectors for cables.
- Before use, always check if specification of audio amplifier/receiver meets the requirements of the loudspeakers (Power, Impedance, Voltage etc.).
- Make sure that audio amplifier/receiver is initially set to minimum volume and gradually increase to desired volume.
- New loudspeakers should NEVER be exposed to high volume initially, since electronic and mechanical components must burn-in gradually.
- Never exceed the listening volume which could cause uncomfortable feeling or ear damage.

- Never exceed the listening volume which would cause excessive vibrations or distorted sound through the speakers.
- Always disconnect loudspeakers cable on the AMPLIFIER side first, as it may otherwise cause a short circuit on amplifier outputs.
- Before disconnecting cables always turn off the receiver/amplifier or disconnect it from the electricity.
- Listening should be a pleasure, so always use the volume settings that will suit you.

7. ACOUSTIC PREFERENCE LIMITED WARRANTY

Acoustic Preference products are manufactured from the highest quality materials and components selected with maximum care. State-of-the-art technical and design solutions are also taken into account. Acoustic Preference products are extensively tested with lots of care and precision and must pass rigorous quality control standards to ensure first-class service and delights to all customers.

Acoustic Preference loudspeakers, that not meet your expectations, may be returned to the factory with a full money-back guarantee within 45 days of purchase provided if loudspeakers was purchased directly from Acoustic Preference (if returned, customer is responsible for shipping charges).

Loudspeakers must be returned undamaged, in their original packaging with all documentation and accessories. If the customer does not return them in that state, the manufacturer may refuse to refund without explanation.

An Acoustic Preference warranty protects the first owner (parts and labor), for a period of five (5) years starting from the date of purchase, from any failure resulting from manufacturing defects.

A valid International warranty card or original Invoice with serial number is required for warranty coverage. 5 years of warranty is valid for first owner only. All new customers must register new ownership at the dealer or manufacturer with original invoice. Rest of 5 years warranty is transferable to subsequent purchasers. Limited 5 years warranty starts with day of purchase at dealer or manufacturer.

NOTICE: For Ex-Demo or exhibition models, dealer or distributor can reduce warranty without manufacturer permission!

TERMS AND CONDITIONS

1. This warranty is only valid in the case of manufacturers defects (materials and/or workmanship) from the time of purchase of first owner (Limited warranty).
2. Warranty will not be accepted:
 - for damages caused by any use other than correct use described in the user manual,
 - for damages on drivers or electronic, if amplifier with power over 250W per channel will be used,
 - If product is used in unsuitable room, excessive humidity or temperature, exposure to gas, UV light and others,
 - if apply pressure to the diaphragm speaker, as this may cause irreparable damage,
 - for damages caused by incorrect installation, connection or packing,
 - for negligence, modifications, or use of parts that are not made or authorized by Acoustic Preference,

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- for damages caused by faulty or unsuitable auxiliary equipment,
- for damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of Acoustic Preference,
- for products whose serial number has been altered, deleted, removed or made illegible,
- In cases that repairs or modifications have been executed by an unauthorized person.
- If the product is used contrary to the manufacturer's instructions.

3. Return:

Return authorization must first be obtained by either calling or writing to Acoustic Preference customer support prior to shipping the product. When obtaining return authorization, please be prepared to provide the model, serial number, and a complete, explicit description of the problem. A copy of the original, dated Bill of Sale must be included to confirm warranty status.

4. Shipping and Transfer of Risk:

The customer is responsible for shipping and insurance. The risk is transferred to the buyer as soon as the shipment has been taken over by the forwarder/forwarding agent or has left the seller's warehouse for shipment. If shipment is delayed on request of the buyer, the risk is transferred to the buyer at the time of shipping notice. Please always retain the original packing materials. Acoustic Preference products must be properly packed (in their original packing materials whenever possible) and the proper return authorization must be visible on the outer carton for easy identification. Improper packaging may lead to unnecessary freight damage that is not covered by either the freight carrier or the warranty.

8. SECURITY

Acoustic Preference knows that you care how information about you is used and shared. We appreciate your trust in us, and we assure that your personal information will be handled with utmost care and in accordance with EU personal data protection acts.

Thank you for choosing VIRTUOSO loudspeakers.

*We wish you **timeless experience** with **finest audio** loudspeakers.*

Your Acoustic Preference Team

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HANDCRAFTED BY ACOUSTIC PREFERENCE D.O.O.

TIMELESS EXPERIENCE, FINEST AUDIO



THESE LOUDSPEAKERS HAVE BEEN CREATED WITH GREAT JOY AND KNOWLEDGE, TO TAKE YOU TO UNIQUE ENJOYMENT IN MUSIC.

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