ELAC Uni-Fi 2.0 UB52 Bookshelf Speakers-Complete Features/User Guide

Contents

ELAC Uni-Fi 2.0 UB52 Bookshelf Speakers

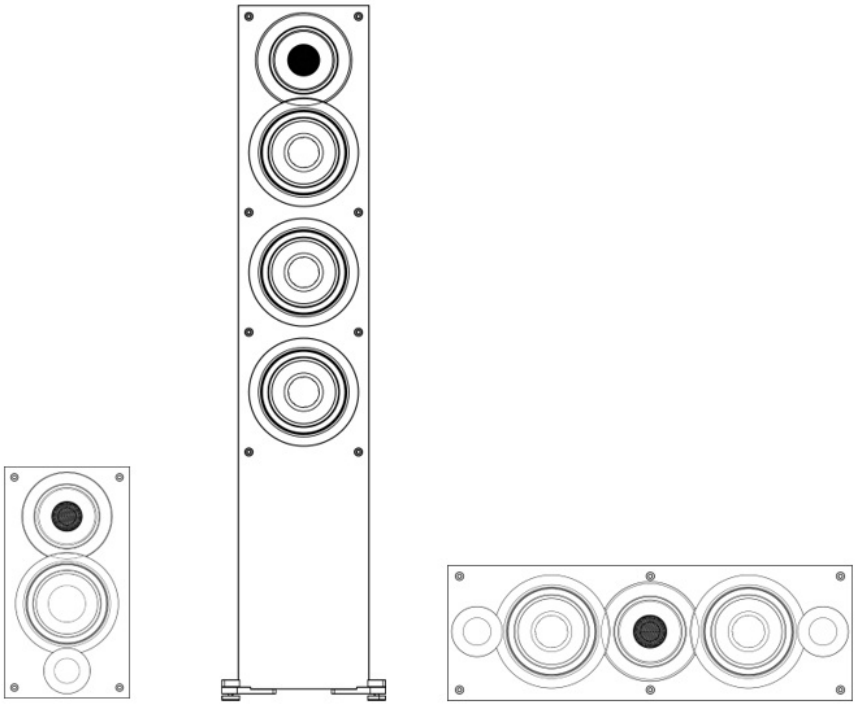
Specifications

- **BRAND:** ELAC
- **COLOR:** Black
- **SPEAKER TYPE:** Bookshelf
- **MODEL NAME:** Uni-Fi UB52
- **SPEAKER SIZE:** 5.25 Inches
- **ENCLOSURE TYPE:** 3-Way Bass Reflex
- **FREQUENCY RESPONSE:** 46Hz – 35000Hz
- **NOMINAL IMPEDANCE:** 6 Ohms
- **SENSITIVITY:** 85db @ 2.83v/1m
- **CROSSOVER FREQUENCY:** 200 / 2000Hz
- **MAX POWER INPUT:** 140 Watts
- **TWEETER:** 1″ Soft Dome
- **MIDRANGE:** 4” Aluminum
- **WOOFER:** 5 1/4” Inch Aluminum
- **CABINET:** CARB2 Rated MDF
- **CABINET FINISH:** Black Ash Vinyl
- **PORT:** Dual Flared
- **BINDING POSTS:** 5-Way Metal
- **DIMENSIONS (WXHXD):** 7.28” x 13.62” x 10.83

Introduction

It is 3-Way Speakers with a True 3-Way Design. It is a new Concentric Driver with a 4″ Aluminum Midrange and a 1″ Wide-Roll Surround Tweeter has been developed. The Cone is made of a single piece of aluminum Bass Driver, 5-1/4″. 6-Ohm For compatibility with practically all receivers and amplifiers, the nominal impedance is used. Firing Ports in the Front Allow for room placement flexibility. Type of connector: Binding Post with 5 Ways

PRODUCT OVERVIEW



SAFETY INSTRUCTIONS

GENERAL INFORMATION

- Please read and follow these safety instructions.
- Keep them safe for future reference.
- Observe all warnings on the speaker and in the manual. Please check the speaker for damage before use. The speaker must be in perfect working condition. Damaged parts may lead to personal injury.

USE ONLY AS DIRECTED

- Connect the speaker(s) according to the instructions in the manual.
- Many ELAC speakers are equipped with spikes and/or anti-slip feet. They are explicitly provided for levelling the speaker. For levelling on an uneven floor, unscrew the spikes or anti-slip feet by 2-3 turns of thread. The speaker should always be in perfect vertical alignment: the stability of the speaker must not be compromised by using spikes or anti-slip feet as the speaker may tip-over.

LOCATION

- Install the speakers on a level surface only
- When choosing the location of these speakers do not place them in locations that are:
- In direct sunlight
- Very humid
- Prone to vibrations
- Exceptionally hot or cold
- Near CRT Televisions (the speakers are not magnetically shielded and may cause color issues with a CRT based TV)

- Close to magnetic cards (Since the speakers are not magnetically shielded placing magnetic cards such as credit cards or commuter cards may cause them to fail).

WARNING
Please ensure the product is perfectly stable to avoid injury from tip-over. Please note, that stability can be increased by using spikes on carpeted surfaces. However, the mounting of spikes must be carried out carefully due to their very sharp ends which may cause injuries. The stability on slippery floors can be increased by using Velcro fastening tape or double-sided adhesive tape. Do not install the speaker near any heat sources such as radiators, heating valves, stoves, or other apparatus (including amplifiers) that produce heat, or in areas where there is a risk of explosion.

- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install the speaker in a closed rack or in a closed cupboard.
- Do not put burning candles on or near the speaker.
- Do not install the speaker near transformers because electromagnetic stray fields can cause hum noise on woofers.
- In combination with certain materials/lacquers/material surfaces, anti-slip feet or spike washers may cause colored imprints on the surfaces.

OVERLOAD

- Extreme overload of the device due to very high volume may cause damage to individual components. Because of the possible danger, you should never leave loudspeakers under extreme overload conditions unattended.

SERVICE

DANGER
Do not open the cabinet because the components and conductors may carry current! Servicing to be carried out by qualified service personnel only.

Servicing is required when the loudspeaker has been damaged in any way, such as damage to the power supply cord or the plug, or when liquid has been spilled or objects have fallen onto the loudspeaker, the speaker has been exposed to rain or moisture, does not operate normally, or has been dropped. To reduce the risk of electric shock, do not open the loudspeaker. Servicing should be carried out by qualified service personnel only.

CLEANING

NOTE
Clean only with soft, smooth cloth or with dust brush. Do not use scouring agents, alcohol, benzene, furniture polish or other agents for cleaning! Modern furniture is often coated with multiple varnishes and plastics which can be treated with chemical agents. Some of these agents contain substances that degrade or soften the rubber feet. Therefore, we advise that you place an anti-slip mat underneath the loudspeaker(s).

VOLUME

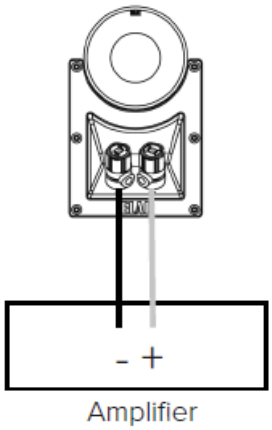
CAUTION
Continuous high volume may cause severe damage to your hearing. Please listen responsibly.

DISPOSAL
The packaging is made from recyclable materials. Dispose of this in an environmentally friendly manner. At end of life do not dispose of the speaker(s) with standard household waste. The speaker must be recycled in accordance with local legislation. Ask your local government for further information on recycling as the device contains valuable raw materials. Disable the speaker(s) before disposal.

BEFORE USE

Avoid damage to the speakers and other components:

- Carefully unbox the speakers carefully to avoid physically damaging your speakers.
- Use appropriate gauge wires (minimum of 14-gauge wire for runs up to 25 feet).
- Make sure wire polarity is connected correctly. Most speaker cables are coded for ease of use. Make a sure the positive (red) connection on the amplifier terminal is connected to the positive (red) on your speakers. Follow the same instructions for the negative side. Strip off approximately 1/2” of the insulation from the ends of the speaker cable, twist the bare strands, and insert them into the binding post.
- Ensure your equipment is turned off before connecting speakers.
- Check to ensure positive and negative wires are not touching each other once they’re connected to the speaker terminals.



OUTRIGGER FEET & SPIKE INSTALLATION (UF52 ONLY)

Using the included feet provide a wider support base for the speaker cabinet. The included spikes improve stability on uneven surfaces and thickly carpeted floors. Please, use caution when dealing with spikes as they are sharp.

IMPORTANT
In order to prevent scratching or damage to the cabinet, turn the speaker upside down onto a soft surface while you attach the outrigger feet and spikes. We highly recommend a second person to help with this process.

1. Attach the feet with provided machine screws (see fig. A).
2. Screw-in the spikes as shown in FIG.B. The speaker can now be turned back over. Please, be careful when handling the speaker with the spikes installed. If you have hardwood tile floors, please use the provided floor discs (fig. B).
3. Using the supplied Allen wrench adjust the height of the spikes until the speaker sits level and all four spikes are touching the floor (fig.C).

4. Once the speaker is level, use the supplied covers to lock the spikes into place (fig.D).

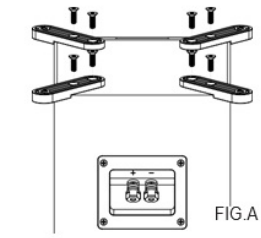


FIG.A

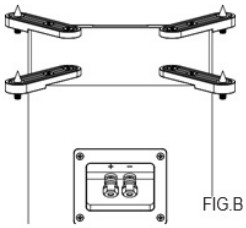


FIG.B

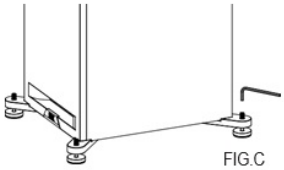


FIG.C

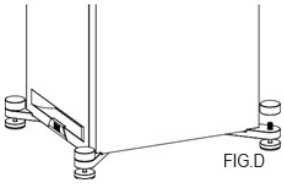
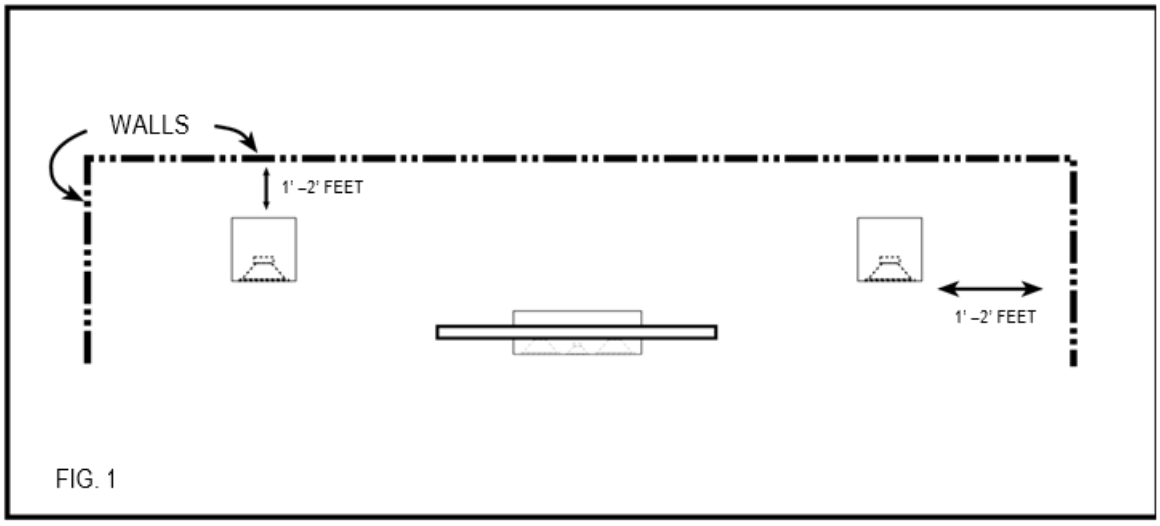


FIG.D

SPEAKER PLACEMENT

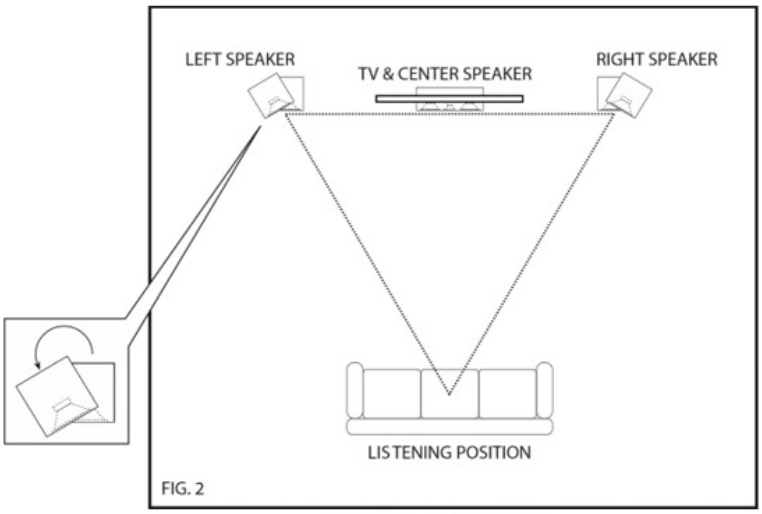
Achieve maximum performance and optimal sound quality from your ELAC Uni-Fi 2.0 speakers with proper speaker placement and set-up. While not all rooms are the same, use the following guidelines to configure the speakers for your particular room. There are no “exact” rules or boundaries in setting up your speakers but the following suggestions will help optimize your desired results. Remember the best sound set-up is what sounds best for you so don’t be afraid to experiment and make adjustments to the placement and directivity of the speakers.

Place the speakers approximately one to two feet away (fig. 1) from boundaries such as wall(s) and especially corners. Close proximity to a side or rear wall will enhance bass performance (output), but being too close (particularly to a corner) may result in the bass that is unnatural. If a corner location is unavoidable, try to position the loudspeaker so that the distance to the rear wall is not equal to the distance to the side wall.



STEREO SETUP

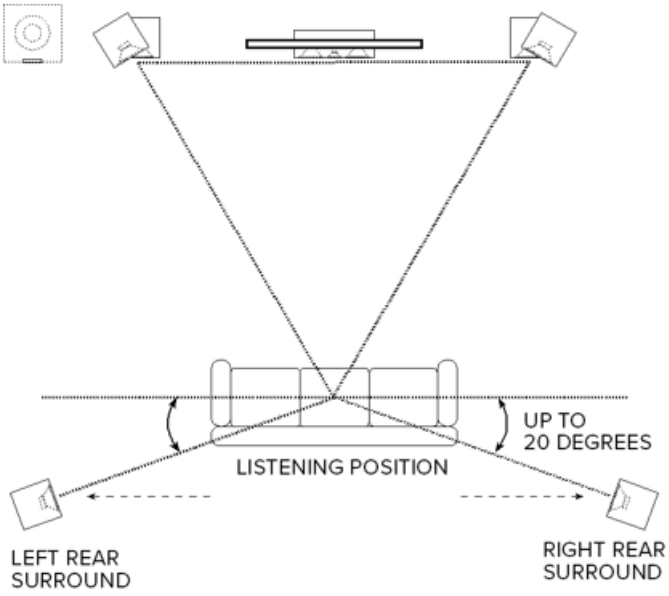
- For the best results and the most realistic stereo image and lifelike sound, place the speakers so that an equilateral triangle (fig. 2) is created between the speakers and your favorite listening position. This set up creates the optimum imaging performance.
- If you find that your front left and right speakers are too far apart, angle (toe-in) them towards the listening position to gain a more focused central image.



2–CHANNEL STEREO SETUP

SURROUND SOUND SETUP

Whether you use the Uni-Fi 2.0 bookshelf or the Uni-Fi 2.0-floor standing speakers for a 5.1-channel surround set-up, avoid placing the surround speakers forward of your listening position. The surround speakers should be spread apart wider than the front speakers. In addition, elevate the speakers to the same height or slightly higher as the front speakers for the most enveloping sound field. Like the front speakers, you may need to experiment with the positioning by pointing the rear surround speakers towards the listening area.

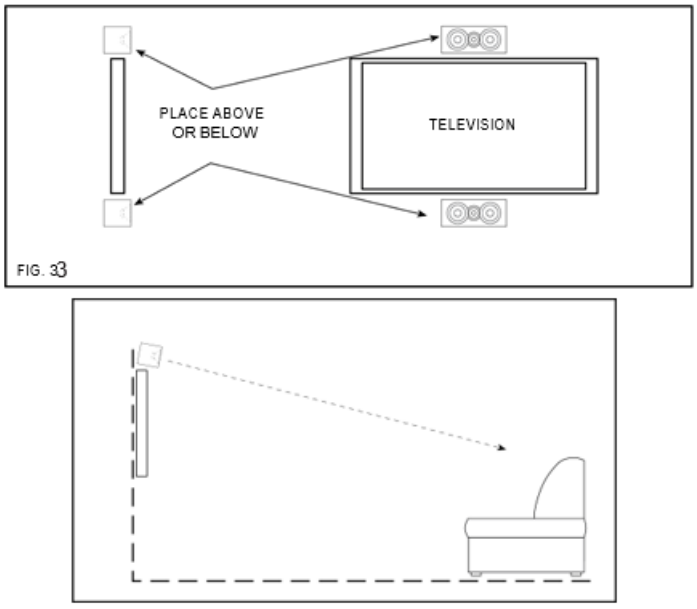


5.1-CHANNEL SURROUND SET-UP

CENTER SPEAKER SETUP

The ELAC UC52 center channel is designed to produce dialog sounds and should be positioned above or below (fig. 3) your television. Align it with the center of the television. As much as possible, try to keep the UC52 close to the same level (height) as your front speakers for a more even sound stage. Keeping the same height for the center channel can be very challenging so it might be necessary to tilt the center speaker up (if too low) or down (if too high), to aim it towards the listening area.

Optimal results for the center are obtained by setting the receiver/processor center channel size too small. If you have a choice, set the crossover frequency between 50 to 100Hz.



Frequently Asked Questions

- **Is it necessary for bookshelf speakers to be placed away from the wall?**
  Both bookshelf speakers should be situated two to three feet from the back wall and at an equal distance from the side walls for optimal sound. The “Sweet Spot” is a term used by audiophiles to describe the ideal listening

position in a space with the best sound balance.

- **What criteria should I use to select the best bookshelf speakers?**
  Larger speakers do not always imply better sound. More often than not, what they have in common is a higher volume. If the speaker is active, a greater size indicates more area for amplification circuitry, as well as larger drivers. If the volume is important to you, you might consider a larger bookshelf speaker.
- **Do bookshelf speakers require an amplifier?**
  To function effectively, active bookshelf speakers do not require an amplifier. Passive bookshelf speakers, on the other hand, require an amplifier to function correctly. Passive speakers do not have an amp built-in, but active bookshelf speakers have. It will be exceedingly silent if a passive bookshelf speaker is utilized without an amplifier.
- **What is the best location for bookshelf speakers?**
  You must appropriately position the bookshelf speakers whether they are on a bookshelf, on speaker stands, or on top of a media console. Place bookshelf speakers at 10 o'clock and 2 o'clock, angled towards your preferred listening position, as a general rule.
- **When it comes to bookshelf speakers, what is the ideal height?**
  Furthermore, if more than one person will be listening to the speakers, or if you frequently have guests over, an average ear height of 91cm to 96.5cm (36-38″) is typically just as good as measuring the distance between your ears and the floor.
- **Is a subwoofer required for bookshelf speakers?**
  Although a subwoofer isn't required for speakers to work, adding one to a pair of speakers, especially smaller bookshelf speakers, is almost always worthwhile.
- **When it comes to bookshelf speakers, how long do they last?**
  A decent speaker system can survive for decades. The response to these questions varies based on the speaker's specifications, build quality, and included components. Speakers can last anywhere from 10 to 20 years if properly cared for.
- **How can you tell if a speaker is competent?**
  The louder your speaker is, the higher the sensitivity rating. A typical speaker's sensitivity ranges from 87 to 88 decibels. A speaker with a sensitivity rating of more than 90 dB is regarded as good.
- **Is it necessary for speakers to be at ear level?**
  After you've determined the optimum location for your speakers, think about their height. Both speakers should face the listener, with the tweeters positioned at about ear level. We recommend utilizing speaker stands to reach the best listening height.
- **How far away from the wall should speakers be placed?**
  Place on stands if they aren't freestanding. Blocking is not a good idea. The golden rectangle rule states that the distance between a speaker and the nearest side wall should be at least 1.6 times the distance between the speaker and the front wall. Place the speakers so that the distance between them and the front wall is 1/3 to 1/5 of the room's length.

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