

triangle LN02

triangle Elara LN02 Center Channel Speaker User Manual

Model: LN02

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your triangle Elara LN02 Center Channel Speaker. Please read these instructions carefully before using the product to ensure optimal performance and longevity.

The triangle Elara LN02 is a high-fidelity 2-way bass reflex center channel speaker designed for home theater systems. It delivers clear, dynamic sound reproduction and is engineered for seamless integration with other Elara series components.

2. SAFETY INSTRUCTIONS

- **Read Instructions:** Retain this manual for future reference.
- **Heed Warnings:** Follow all warnings on the product and in this manual.
- **Cleaning:** Clean only with a dry cloth.
- **Ventilation:** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Attachments:** Use only attachments/accessories specified by the manufacturer.
- **Servicing:** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

3. PACKAGE CONTENTS

Please check that the following items are included in your package:

- 1 x triangle Elara LN02 Center Channel Speaker

- 1 x User Manual (this document)



Figure 3.1: Front view of the LN02 speaker without grille. This image displays the speaker's drivers and front ports.

4. PRODUCT FEATURES

- **Compact 2-Way Design:** Features a two-way configuration for detailed mid-range and high-frequency reproduction, complemented by a rich low-end response, all within a compact enclosure.
- **Sonic Harmony Across ELARA Range:** Utilizes identical membrane materials as other ELARA series speakers, ensuring consistent tonal quality when integrated into a multi-channel audio setup.
- **Optimized Sensitivity:** With a sensitivity of 89 dB/W/m, the speaker delivers clear and powerful sound efficiently, suitable for a wide range of home audio systems with modest amplifier requirements.
- **Space-Saving Front Reflex Porting:** Equipped with front-mounted bass reflex ports, allowing for flexible placement options, including inside media cabinets, without compromising low-frequency performance.
- **Crafted in France:** Manufactured by Triangle, combining decades of audio expertise with European craftsmanship.



Figure 4.1: Front view of the LN02 speaker with the grille attached. The grille protects the drivers and provides a sleek appearance.

5. SETUP

5.1. Placement

The center channel speaker is crucial for dialogue and central sound effects in a home theater system. Proper placement ensures optimal sound imaging and clarity.

- **Central Position:** Place the LN02 directly above or below your television or projection screen, centered horizontally.
- **Ear Level:** Ideally, the tweeter of the center speaker should be as close to ear level as possible when seated in your primary listening position. If placed below the screen, consider angling it slightly upwards.
- **Proximity to Wall:** Due to its front-facing bass reflex ports, the LN02 can be placed closer to a wall or inside a media cabinet without significantly affecting bass performance. Ensure there is still some space for air circulation.
- **Stable Surface:** Ensure the speaker rests on a stable, level surface to prevent vibrations and ensure sound clarity.

5.2. Connection

Connect the LN02 to the center channel output of your AV receiver or amplifier using high-quality speaker cables.

1. **Power Off:** Ensure your AV receiver/amplifier is turned off and unplugged from the power outlet before making any connections.
2. **Identify Terminals:** Locate the binding posts on the rear of the LN02 speaker and the corresponding "Center" output terminals on your receiver. The LN02 has two binding posts: one red (+) and one black (-).
3. **Prepare Cables:** Strip approximately 1/2 inch (12-15 mm) of insulation from the ends of your speaker cables. Twist the bare wire strands tightly.
4. **Connect:** Connect the positive (+) terminal (red) of the speaker to the positive (+) terminal of the center channel output on your receiver. Connect the negative (-) terminal (black) of the speaker to the negative (-) terminal of the center channel output on your receiver. Ensure a secure connection and that no stray wire strands are touching each other or other terminals.
5. **Verify Polarity:** Maintaining correct polarity (red to red, black to black) is essential for proper sound reproduction. Incorrect polarity can result in thin bass and poor stereo imaging.



Figure 5.2.1: Rear view of the LN02 speaker showing the speaker cable binding posts. Connect red to positive and black to negative.

6. OPERATING

Once connected, the triangle Elara LN02 will function as the dedicated center channel in your home theater system. Its primary role is to reproduce dialogue and central sound effects.

- **Receiver Settings:** After connecting, access your AV receiver's setup menu. Run the automatic room correction system (if available) or manually configure the speaker settings. Ensure the center channel is set to "Small" or "Large" based on your system's subwoofer integration and personal preference.
- **Volume Levels:** Adjust the individual channel levels in your receiver's settings to ensure the center

channel is balanced with your other speakers. Dialogue should be clear and distinct without being overly loud or quiet compared to the rest of the soundstage.

- **Break-in Period:** Like many high-fidelity speakers, the LN02 may benefit from a break-in period. Allow the speaker to play for several hours at moderate volume levels to allow the drivers to loosen and achieve their optimal performance.

7. MAINTENANCE

To maintain the appearance and performance of your triangle Elara LN02 speaker, follow these simple maintenance guidelines:

- **Cleaning the Cabinet:** Use a soft, dry, lint-free cloth to gently wipe the cabinet. For gloss finishes, avoid abrasive cleaners or solvents that could damage the surface.
- **Cleaning the Grille:** If the grille becomes dusty, gently brush it with a soft brush or use a vacuum cleaner with a soft brush attachment on a low setting.
- **Driver Care:** Avoid touching the speaker drivers (woofers and tweeter) as this can cause damage.
- **Avoid Moisture:** Keep the speaker away from excessive moisture or direct sunlight.

8. TROUBLESHOOTING

If you encounter issues with your triangle Elara LN02 speaker, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound from Speaker	Loose or incorrect speaker cable connection.	Check all speaker cable connections at both the speaker and receiver. Ensure correct polarity (+ to +, - to -).
	Receiver/amplifier not powered on or set to correct input.	Verify receiver/amplifier is on and the correct audio input is selected.
	Center channel muted or volume too low in receiver settings.	Check receiver's speaker setup menu to ensure the center channel is enabled and its volume is adequate.
Distorted or Unclear Sound	Loose speaker cable connections.	Re-check all speaker cable connections.
	Incorrect polarity.	Confirm correct polarity (+ to +, - to -).
	Overdriving the speaker (volume too high).	Reduce the volume level on your receiver.
	Speaker placed too close to a wall or obstruction (less likely with front ports, but possible).	Ensure adequate space around the speaker, especially if placed in a confined area.

Problem	Possible Cause	Solution
Dialogue Sounds Muffled or Unnatural	Incorrect speaker placement or angle. Room acoustics. Receiver settings (e.g., crossover frequency).	Adjust the speaker's angle to point towards the main listening position. Consider acoustic treatments in your room if issues persist. Review your receiver's speaker setup and crossover settings.

If the problem persists after attempting these solutions, please contact triangle customer support or your authorized dealer for further assistance.

9. SPECIFICATIONS

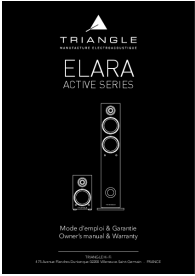
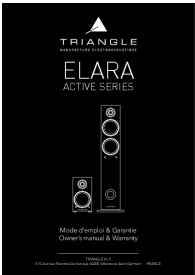



Feature	Detail
Model Name	ELARA LN02 Center Channel Speaker
Speaker Type	Center Channel, 2-Way Bass Reflex
Brand	triangle
Color	Gloss Black
Product Dimensions (D x W x H)	10.2"D x 19.1"W x 6.5"H (25.9 cm D x 48.5 cm W x 16.5 cm H)
Item Weight	15 Pounds (6.8 kg)
Speaker Maximum Output Power	60 Watts RMS
Connectivity Technology	Speaker Cable (Binding Posts)
Mounting Type	Tabletop Mount
Manufacturer	Triangle
Item Model Number	LN02
Global Trade Identification Number (GTIN)	03660216004673

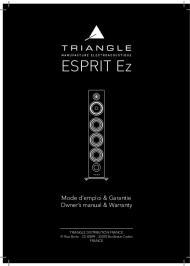
10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official triangle website. You may also contact your authorized triangle dealer for assistance.

For general inquiries or support, you can visit the [triangle Store on Amazon](#).

Related Documents - LN02

 The image shows the front cover of the Triangle ELARA ACTIVE SERIES manual. It features the Triangle logo at the top, followed by the text 'ELARA ACTIVE SERIES'. Below this is a stylized illustration of the speaker system. At the bottom, it says 'Mode d'emploi & Garantie Owner's manual & Warranty'.	<p>TRIANGLE ELARA ACTIVE SERIES: User Manual, Setup Guide, and Specifications</p> <p>Comprehensive user manual for TRIANGLE ELARA ACTIVE SERIES speakers (LN01A, LN05A). Covers unpacking, assembly, installation, connections (Bluetooth, RCA, Optical, Coaxial, etc.), operation, bass/treble adjustment, auto standby, technical specifications, safety instructions, and warranty information.</p>
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 The image shows the front cover of the Triangle S02 Speaker Stand Assembly Guide. It features the Triangle logo at the top, followed by the text 'S02'. Below this is a stylized illustration of the speaker stand. At the bottom, it says 'Notice de montage Assembly Guide'.	<p>Triangle S02 Speaker Stand Assembly Guide</p> <p>Official assembly guide for the Triangle S02 speaker stand. Learn how to assemble your stand with clear instructions and diagrams. Includes parts list and contact information.</p>
 The image shows the front cover of the Triangle SIGNATURE manual. It features the Triangle logo at the top, followed by the text 'SIGNATURE'. Below this is a stylized illustration of the speaker system. At the bottom, it says 'Mode d'emploi & Garantie Owner's manual & Warranty'.	<p>Triangle Signature Series Loudspeakers: Owner's Manual & Warranty</p> <p>Comprehensive owner's manual and warranty information for the Triangle Signature Series loudspeakers, covering safety instructions, setup, positioning, amplifier selection, and technical specifications.</p>
 The image shows the front cover of the Triangle BOREA manual. It features the Triangle logo at the top, followed by the text 'BOREA'. Below this is a stylized illustration of the speaker system. At the bottom, it says 'Mode d'emploi & Garantie Owner's manual & Warranty'.	<p>TRIANGLE BOREA Series: Owner's Manual & Warranty</p> <p>Comprehensive guide to TRIANGLE BOREA loudspeakers, covering unpacking, installation, connections, positioning for stereo and home theater, technical specifications, warranty information, and safety instructions.</p>



[TRIANGLE ESPRIT Ez Owner's Manual & Warranty](#)

Comprehensive owner's manual and warranty information for the TRIANGLE ESPRIT Ez loudspeaker series, covering setup, connections, placement, and technical specifications.