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› Magnat Cinema Ultra RD 200-THX Surround Sound Speaker Instruction Manual

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Model: Cinema Ultra RD 200-THX

INTRODUCTION

Thank you for choosing the Magnat Cinema Ultra RD 200-THX Surround Sound Speakers. These speakers are designed to deliver high-performance audio for your home theater system. This manual provides essential information for the proper setup, operation, and maintenance of your speakers.

Key features of your Magnat Cinema Ultra RD 200-THX speakers include:

- **THX Ultra2 Certification:** These 2-way sealed speakers meet rigorous THX Ultra2 standards for exceptional home theater performance.
- **Power Handling:** Each speaker handles 150W RMS and 240W maximum power.
- **Driver Configuration:** Features dual 1.65" dome tweeters and a 6.5" woofer-midrange for balanced sound reproduction.
- **Frequency Response:** Provides a broad audio spectrum from 80 Hz to 27,000 Hz.
- **Amplifier Compatibility:** Compatible with amplifiers providing greater than 40 Watts and having an impedance of 4-8 Ohms.
- **Dimensions:** Each speaker measures approximately 15.8 x 11.8 x 6.3 inches (H x W x D).
- **Surround Sound Design:** The special chassis layout and tuned crossover are designed for diffuse sound emission, contributing to an enveloping surround soundscape without noticeable speaker localization, in accordance with THX Ultra2 standards.

IMPORTANT SAFETY INSTRUCTIONS

Please read all safety and operating instructions before using your speakers. Retain these instructions for future reference.

1. **Read Instructions:** All safety and operating instructions should be read before the product is operated.

2. **Retain Instructions:** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings:** All warnings on the product and in the operating instructions should be adhered to.
4. **Follow Instructions:** All operating and use instructions should be followed.
5. **Cleaning:** Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. **Water and Moisture:** Do not use this product near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.
7. **Ventilation:** Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered.
8. **Heat:** The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.
9. **Power Sources:** This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
10. **Servicing:** Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

PACKAGE CONTENTS

Carefully unpack your Magnat Cinema Ultra RD 200-THX speakers and check that all items are present and in good condition. The package should contain:

- Magnat Cinema Ultra RD 200-THX 6.5" 240W 2-Way Surround Sound Speaker (Pair)

If any items are missing or damaged, please contact your dealer immediately.

SPEAKER PLACEMENT

Proper placement of your surround sound speakers is crucial for optimal audio performance and an immersive home theater experience. The Magnat Cinema Ultra RD 200-THX speakers are designed for diffuse sound emission, making them ideal for surround channels.

- **Surround Channels:** For 5.1 or 7.1 systems, place the surround speakers to the sides or slightly behind the main listening position.
- **Height:** Mount the speakers at or slightly above ear level when seated.
- **Distance:** Ensure an adequate distance from walls to allow for proper sound dispersion, though their sealed design offers flexibility.
- **Symmetry:** Position the left and right surround speakers symmetrically relative to the listening area.

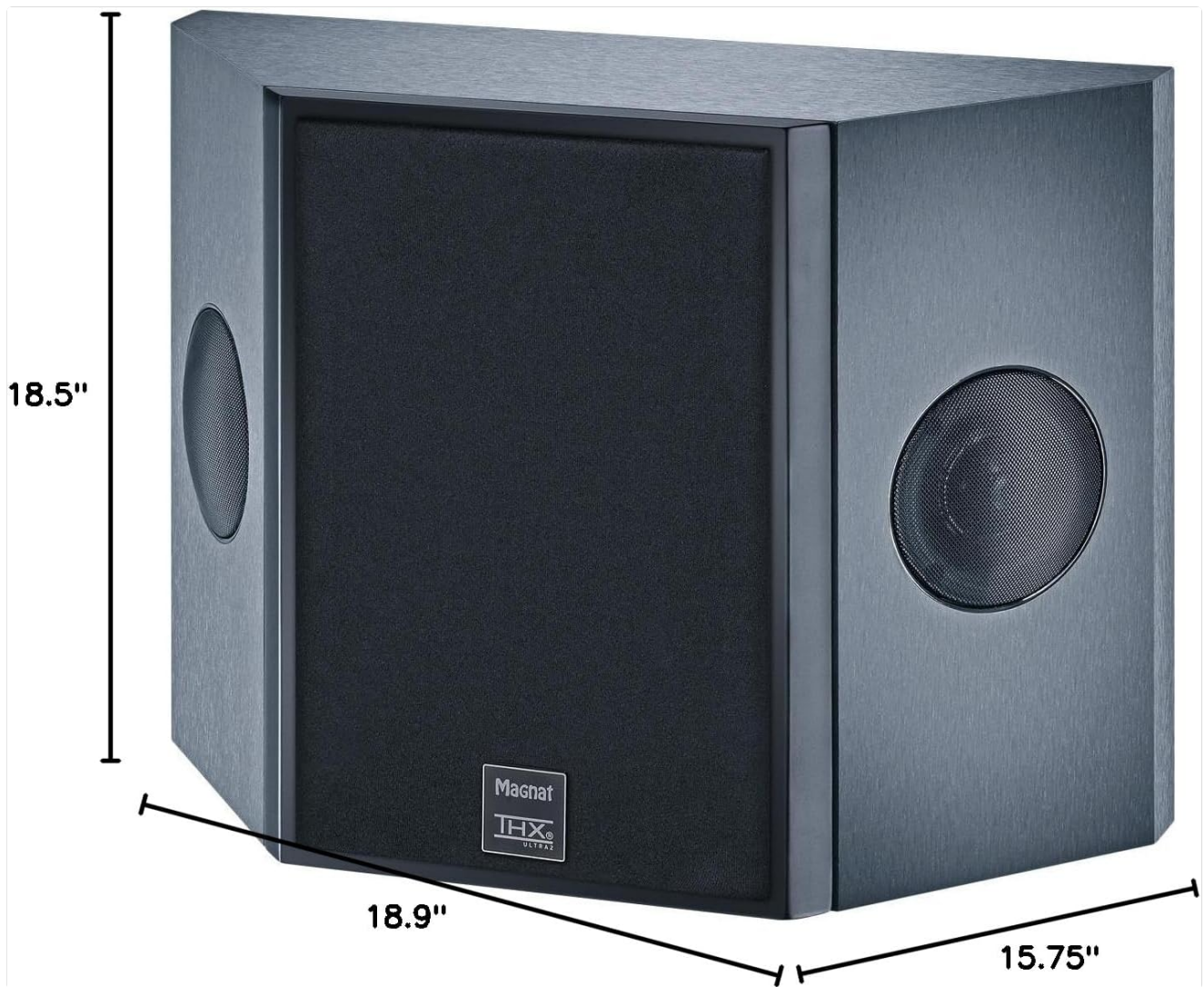


Figure 1: Diagram showing the dimensions of the Magnat Cinema Ultra RD 200-THX speaker, including height, width, and depth. This image can assist in planning speaker placement.



Figure 2: Angled view of the Magnat Cinema Ultra RD 200-THX speaker with the protective grille, highlighting its trapezoidal shape for versatile placement.

CONNECTING YOUR SPEAKERS

To connect your Magnat Cinema Ultra RD 200-THX speakers to your home theater receiver or amplifier, follow these steps:

1. **Power Off:** Ensure your amplifier/receiver is turned off and unplugged from the power outlet before making any connections.
2. **Speaker Wire:** Use high-quality speaker wire. Strip approximately 1/2 inch (1.2 cm) of insulation from the ends of the speaker wires.
3. **Polarity:** Connect the positive (+) terminal (usually red) on the speaker to the positive (+) terminal on your amplifier. Connect the negative (-) terminal (usually black) on the speaker to the negative (-) terminal on your amplifier. Maintain consistent polarity for all speakers in your system.
4. **Secure Connections:** Ensure all connections are tight and secure to prevent signal loss or short circuits.

These speakers are designed to work seamlessly with amplifiers providing greater than 40 Watts and having an impedance of 4-8 Ohms.



Figure 3: Front view of the Magnat Cinema Ultra RD 200-THX speaker without the grille, showing the woofer and tweeters. Speaker terminals are typically located on the rear panel.

OPERATING YOUR SPEAKERS

Once connected, the operation of your Magnat Cinema Ultra RD 200-THX speakers is primarily controlled by your home theater receiver or amplifier. Refer to your amplifier's manual for detailed instructions on setting up speaker levels, crossover frequencies, and surround sound modes.

- **Initial Setup:** After connecting, run your receiver's automatic speaker calibration (if available) to optimize sound settings for your room.
- **Volume Control:** Adjust the overall system volume using your amplifier's remote control.
- **THX Ultra2:** The THX Ultra2 certification ensures these speakers are capable of reproducing sound at reference levels with minimal distortion, providing a cinematic audio experience.



Figure 4: Front view of the Magnat Cinema Ultra RD 200-THX speaker with the protective grille attached. The grille protects the drivers during operation.

CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your Magnat Cinema Ultra RD 200-THX speakers, follow these simple care and maintenance guidelines:

- **Cleaning:** Dust the speaker cabinets regularly with a soft, dry cloth. For stubborn marks, use a slightly damp cloth, but avoid excessive moisture. Do not use abrasive cleaners, solvents, or strong chemicals.
- **Grilles:** The protective grilles can be gently removed for cleaning. Use a soft brush or vacuum cleaner with a brush attachment to remove dust.
- **Avoid Direct Sunlight and Heat:** Do not expose the speakers to direct sunlight for extended periods or place them near heat sources, as this can damage the cabinet finish and internal components.
- **Moisture:** Keep the speakers away from areas of high humidity or direct contact with water.
- **Handling:** When moving the speakers, lift them carefully from the base. Avoid dropping or subjecting them to strong impacts.



Figure 5: Close-up detail of the woofer and one of the dome tweeters on the Magnat Cinema Ultra RD 200-THX speaker. Handle drivers with care during cleaning.

TROUBLESHOOTING

If you encounter issues with your Magnat Cinema Ultra RD 200-THX speakers, refer to the following common troubleshooting steps:

- **No Sound:**

- Ensure the amplifier/receiver is powered on and the correct input source is selected.
- Check all speaker wire connections at both the speaker and amplifier ends for proper contact and polarity.
- Verify that the speaker cables are not damaged.
- Confirm that the amplifier's volume is not set to minimum or muted.

- **Distorted Sound:**

- Reduce the volume level on your amplifier.
- Check for loose speaker wire connections.
- Ensure the amplifier is not overdriven or clipping.
- Verify that the speaker impedance matches the amplifier's capabilities.

- **Uneven Sound or Missing Channels:**

- Check individual speaker connections and polarity.
- Review your amplifier's balance and channel level settings.
- Ensure the source audio is multi-channel if expecting surround sound.

If the problem persists after attempting these steps, consult your dealer or qualified service personnel.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Magnat
Model Number	Cinema Ultra RD 200-THX
Speaker Maximum Output Power	90 Watts (RMS, per speaker)
Connectivity Technology	Wired
Audio Output Mode	Surround
Mounting Type	Wall Mount (consider appropriate hardware)
Enclosure Material	Metal and/or Plastic
Color	Black
Speaker Size	17 Centimeters (Woofer Diameter)
Woofer Diameter	17 Centimeters (6.5 inches)
Tweeter Diameter	4.2 Centimeters (1.65 inches)
Specific Uses For Product	Home Theatre
Item Dimensions (D x W x H)	19"D x 19"W x 9"H (Note: Product description states 15.8 x 11.8 x 6.3")
Item Weight	15 Pounds
Power Source	Corded Electric (for amplifier connection)
Number of Audio Channels	2.0 (per speaker, for 2-way design)
Compatible Devices	Home Theater Receivers/Amplifiers
Audio Driver Type	Dynamic Driver
GTIN	810072320339
ASIN	B0BMZJ2HFS

WARRANTY AND CUSTOMER SUPPORT

Your Magnat Cinema Ultra RD 200-THX speakers come with a **1 Year Limited Warranty** from the manufacturer. This warranty covers defects in materials and workmanship under normal use.

For specific details regarding warranty claims or service, please refer to the warranty documentation included with your product or contact Magnat customer support directly. Keep your proof of purchase for warranty validation.

Additionally, the product is subject to a **30-day return/replacement policy** from the point of purchase, as per retailer terms.

For technical assistance or further inquiries, please contact your authorized Magnat dealer or visit the official Magnat website for support resources.