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## Sarabec LA240

# Sarabec LA240 Room Loop System Instruction Manual

## INTRODUCTION

The Sarabec LA240 Room Loop System is designed to enhance the listening experience for hearing aid users by transmitting audio directly to their hearing aids equipped with a "T" or "Loop" program. This system allows users to comfortably listen to TV or other audio equipment without direct connection, providing freedom of movement within the looped area. The LA240 processes audio from various sources and sends it inductively as magnetic sound waves to compatible hearing aids.

## IMPORTANT SAFETY INFORMATION

- **DO NOT OPEN:** The LA240 unit contains no user-serviceable parts inside. Opening the casing may result in electric shock or damage to the device and will void the warranty.
- Ensure the power supply used is within the specified range of 12-24 V DC 1.8A.
- Keep the device away from water or excessive moisture.
- Avoid placing the unit in direct sunlight or near heat sources to prevent overheating. Ensure adequate ventilation around the device.
- Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition.

## PRODUCT OVERVIEW: REAR PANEL CONNECTIONS

The rear panel of the Sarabec LA240 features various input and output connections for integrating the system with your audio sources and the loop cable. Familiarize yourself with these connections before setup.





Image: Rear panel of the Sarabec LA240 Room Loop System. From top to bottom, it shows Microphone inputs (A and B with Priority switch), Analogue RCA inputs (L/R, two sets), Digital inputs (Coaxial and Optical), a headphone output, Loop Amplifier connections (Model

No., Serial No.), Loop Cable terminals (0.5-1.5 Ohms), and the DC power input (12-24 V DC 1.8A). A "DO NOT OPEN" warning is also visible.

- **Microphone Inputs (A & B):** Two 3.5mm jack inputs for connecting external microphones. Input B has a priority switch.
- **Analogue Inputs (RCA):** Two sets of stereo RCA inputs (Left and Right) for connecting analogue audio sources like TVs, DVD players, or stereos.
- **Digital Inputs (Coaxial & Optical):** One Coaxial (RCA type) and one Optical (TOSLINK) input for connecting digital audio sources.
- **Headphone Output:** A 3.5mm jack for connecting headphones to monitor the audio.
- **Loop Cable Terminals:** Screw terminals for connecting the loop cable or loop pad, specified for 0.5-1.5 Ohms impedance.
- **DC In:** Power input for the 12-24 V DC 1.8A power adapter.

## SETUP INSTRUCTIONS

### 1. Positioning the Loop:

If using a loop cable, lay the cable around the perimeter of the listening area (e.g., a room or seating area). Ensure the cable is securely fastened and not a tripping hazard. If using a loop pad, place it under a chair or cushion where the user will be listening.

### 2. Connecting the Loop Cable/Pad:

Connect the ends of the loop cable or the wires from the loop pad to the "Loop Cable" screw terminals on the rear of the LA240. Ensure a secure connection and proper polarity if indicated.

### 3. Connecting Audio Sources:

Choose the appropriate input for your audio source:

- **For TV/Audio Equipment (Analogue):** Use RCA cables to connect the audio output of your device to one of the "Analogue" RCA inputs (L/R) on the LA240.
- **For TV/Audio Equipment (Digital):** Use either a Coaxial or Optical cable to connect the digital audio output of your device to the corresponding "Digital" input on the LA240.
- **For Microphones:** Plug a 3.5mm microphone jack into either "Microphone A" or "Microphone B" input.

### 4. Connecting Power:

Connect the provided power adapter to the "DC In" port on the rear panel of the LA240, then plug the adapter into a suitable wall outlet.

## OPERATING INSTRUCTIONS

### 1. Power On:

Once all connections are made, switch on the LA240 unit. An indicator light (usually on the front panel, though not visible in the provided image) should illuminate.

### 2. Activate Hearing Aid T-Coil:

Switch your hearing aid to its "T" or "Loop" program. Consult your hearing aid manual for specific instructions on activating this feature.

### 3. Adjust Volume and Tone:

Adjust the volume and tone controls on the LA240 (typically on the front panel, not shown) to a comfortable listening level. These adjustments will only affect the sound transmitted to your hearing aid, not the room's ambient sound.

### 4. Using Priority Input:

If you have a microphone connected to "Microphone B" and the priority switch is engaged, audio from this input

will override other active inputs. This is useful for ensuring speech is heard clearly over background audio.

## Maintenance

- Clean the unit with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure all cables are securely connected and free from damage.
- Store the unit in a cool, dry place when not in use for extended periods.

## Troubleshooting

- **No Sound:**
  - Ensure the LA240 is powered on and its indicator light is active.
  - Verify your hearing aid is set to the "T" or "Loop" program.
  - Check all audio input cables are securely connected to both the LA240 and the audio source.
  - Confirm the audio source (TV, stereo) is playing and its volume is adequately set.
  - Ensure the loop cable is correctly connected to the LA240 terminals.
- **Distorted or Unclear Sound:**
  - Reduce the volume level on the LA240 or the audio source. Excessive input volume can cause distortion.
  - Check for interference from other electronic devices. Try moving the LA240 or the loop cable away from power cables, fluorescent lights, or large metal objects.
  - Ensure the loop cable impedance is within the specified 0.5-1.5 Ohms range.
- **Unit Overheating or Shutting Down:**
  - Ensure the LA240 has adequate ventilation. Do not cover the unit or place it in an enclosed space.
  - Verify the power supply is the correct voltage and amperage (12-24 V DC 1.8A). An incorrect power supply can cause issues.
  - If the issue persists, discontinue use and contact customer support.

## Specifications

<b>Model</b>	LA240
<b>Manufacturer</b>	Sarabec
<b>Power Input</b>	12-24 V DC 1.8A
<b>Loop Cable Impedance</b>	0.5-1.5 Ohms
<b>Item Weight</b>	7 Pounds
<b>ASIN</b>	B08BJCH319

## Warranty and Support

Specific warranty information for the Sarabec LA240 Room Loop System is not provided in this manual. Please refer to the product packaging or the manufacturer's official website for detailed warranty terms and conditions.

For technical support or further assistance, please contact Sarabec customer service through their official channels.

