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Hosa YMR197

Hosa YMR-197 3.5mm TRSF to Dual RCA Audio Cable User Manual

Brand: Hosa | Model: YMR-197

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1. INTRODUCTION

The Hosa YMR-197 is an audio splitter cable designed to connect devices with a 3.5mm TRSF (Tip-Ring-Sleeve-Ferrule) stereo output to audio equipment with dual RCA inputs. This cable facilitates the division of a stereo signal into separate left and right channels, indicated by red and black coded RCA plugs. It is engineered for durability and reliable audio performance, providing a cost-effective solution for various audio and video cabling needs.

2. PRODUCT OVERVIEW

The Hosa YMR-197 cable features a 3.5mm TRSF jack on one end and two RCA plugs (one red for right channel, one black for left channel) on the other. This design allows for versatile connectivity between portable audio devices and home stereo systems or other audio components.



Figure 2.1: Hosa YMR-197 3.5mm TRSF to Dual RCA Audio Cable. This image shows the full cable with its 3.5mm TRSF jack and the two RCA plugs.

Key Features:

- **Stereo Signal Splitting:** Designed to effectively split a single stereo signal into two distinct mono signals for left and right channels.
- **Color-Coded Connectors:** Red and black phono plugs for clear identification of right and left audio channels.
- **Durable Construction:** Built for longevity and consistent performance in various audio environments.
- **Versatile Connectivity:** Ideal for connecting smartphones, tablets, laptops, and other portable audio players to receivers, amplifiers, or speakers with RCA inputs.



Figure 2.2: Internal Wiring Diagram for Hosa YMR-197. This diagram illustrates the connection of the 3.5mm TRSF to the dual RCA plugs, showing the internal structure including the PVC outer jacket, spiral shield, PE insulator, and 24 AWG OFC wire.

3. SETUP INSTRUCTIONS

Follow these steps to properly connect your Hosa YMR-197 audio cable:

1. **Identify Ports:** Locate the 3.5mm audio output jack on your source device (e.g., smartphone, tablet, laptop) and the stereo RCA input jacks (typically red for right, white/black for left) on your receiving audio equipment (e.g., amplifier, receiver, powered speakers).
2. **Connect 3.5mm Jack:** Insert the 3.5mm TRSF jack of the Hosa YMR-197 cable into the 3.5mm audio output port of your source device. Ensure it is fully seated.
3. **Connect RCA Plugs:**
 - Connect the **red RCA plug** from the Hosa YMR-197 cable to the **red RCA input jack** on your receiving audio equipment. This typically corresponds to the right audio channel.
 - Connect the **black RCA plug** from the Hosa YMR-197 cable to the **black or white RCA input jack** on your receiving audio equipment. This typically corresponds to the left audio channel.
4. **Power On Devices:** Once all connections are secure, power on your audio source device and your receiving audio equipment.
5. **Select Input:** On your receiving audio equipment, select the correct input source that corresponds to the RCA jacks you used.

Ensure all connections are firm to prevent signal loss or interference.

4. OPERATING INSTRUCTIONS

After completing the setup, operating the Hosa YMR-197 cable is straightforward:

1. **Play Audio:** Start playing audio from your source device (e.g., music, video, podcast).
2. **Adjust Volume:** Adjust the volume level on your receiving audio equipment. You may also need to adjust the volume on your source device to achieve the desired output level without distortion.
3. **Monitor Sound:** Listen for clear, balanced stereo sound from your speakers or headphones connected to the receiving equipment.

The cable is designed for simple plug-and-play functionality, requiring no additional software or drivers.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Hosa YMR-197 cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable at sharp angles, which can damage internal wiring.
- **Cleaning:** If necessary, gently wipe the cable and connectors with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable, rather than pulling on the cable itself. This prevents strain on the connections.

- **Inspection:** Periodically inspect the cable for any signs of wear, such as frayed insulation, bent pins, or loose connections. Replace the cable if significant damage is observed.

6. TROUBLESHOOTING

If you encounter issues while using your Hosa YMR-197 cable, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--|---|--|
| No sound or intermittent sound. | Loose connections, incorrect input selection, low volume, damaged cable. | <ul style="list-style-type: none"> ◦ Ensure all connectors (3.5mm and RCA) are fully inserted into their respective ports. ◦ Verify that the correct input source is selected on your receiving audio equipment. ◦ Check volume levels on both the source device and the receiving equipment. ◦ Test with another audio cable if available to rule out a faulty cable. |
| Distorted or poor quality sound. | High volume levels causing clipping, interference, damaged cable, dirty connectors. | <ul style="list-style-type: none"> ◦ Reduce volume levels on both devices. ◦ Ensure the cable is not running parallel to power cables or other sources of electromagnetic interference. ◦ Clean connectors with a soft, dry cloth. ◦ Inspect the cable for physical damage. |
| Sound only from one channel (left or right). | Incorrect RCA connection, faulty connector, source device output issue. | <ul style="list-style-type: none"> ◦ Verify that the red RCA plug is connected to the right channel input and the black/white RCA plug to the left channel input. ◦ Ensure the 3.5mm jack is fully inserted into the source device. ◦ Test the source device with headphones directly to confirm stereo output. |

7. SPECIFICATIONS

Detailed specifications for the Hosa YMR-197 audio cable:

| | |
|---------------------------|--|
| Manufacturer | Hosa |
| Model Number | YMR197 |
| Product Dimensions | 16.51 x 6.1 x 5.08 cm (6.5 x 2.4 x 2 inches) |
| Item Weight | 40 g (1.41 ounces) |
| Connector Type | Mini-phone stereo 3.5 mm (TRSF) to RCA (Dual) |
| Cable Type | Composite |
| Compatible Devices | Devices with a 3.5mm audio output, such as smartphones, tablets, laptops, and various audio players. |

| | |
|------------------------|---|
| Special Feature | Designed to split a stereo signal; red and black phono plugs indicate left and right channels respectively. |
|------------------------|---|

8. WARRANTY INFORMATION

Hosa Technology, Inc. provides a warranty for its products. For specific details regarding the warranty coverage for your Hosa YMR-197 cable, please refer to the official Hosa website or the documentation included with your purchase.



Figure 8.1: Hosa USA Warranty Shield. This emblem signifies the warranty provided by Hosa Technology, Inc. for products purchased in the USA.

Note: All Hosa cables and adapters purchased in the USA are warranted by Hosa Technology, Inc. to be free of defects in material and workmanship for the lifetime of the original purchaser. Warranty terms may vary by region.

9. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Hosa YMR-197 audio cable, please visit the official Hosa Technology website or contact their customer service department. Contact information can typically be found on the manufacturer's website or product packaging.

Website: www.hosatech.com