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## Hosa CSS-801

# Hosa CSS-801 Balanced Snake User Manual

Model: CSS-801

## INTRODUCTION

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The Hosa CSS-801 is an 8-channel balanced audio snake designed for professional audio applications. It features 1/4-inch TRS male connectors on both ends, making it ideal for interconnecting audio equipment such as mixing consoles, patch bays, and various pro audio gear. This snake is 3.3 feet (1 meter) long and utilizes Oxygen-Free Copper (OFC) conductors and spiral shields for clear signal transmission and noise rejection.



Figure 1: The Hosa CSS-801 Balanced Snake, showing its 8 color-coded 1/4-inch TRS connectors on both ends, connected by a robust black main cable. Each channel is distinctly colored for easy identification.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Hosa CSS-801 Balanced Snake to ensure optimal performance and longevity.

## SETUP

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Proper setup is crucial for achieving the best audio quality and preventing signal issues. Follow these steps for connecting your Hosa CSS-801 Balanced Snake:

- 1. Identify Channels:** The CSS-801 features 8 individual channels, each typically color-coded for easy identification. Before connecting, familiarize yourself with the color scheme and assign each channel to its intended input/output on your audio equipment.
- 2. Connect Source Equipment:** Plug one end of the 1/4-inch TRS connectors into the corresponding balanced outputs of your source equipment (e.g., mixing console outputs, audio interface outputs). Ensure a firm connection.
- 3. Connect Destination Equipment:** Plug the other end of the 1/4-inch TRS connectors into the corresponding balanced inputs of your destination equipment (e.g., patch bay inputs, multi-track recorder inputs, amplifier inputs). Maintain the same channel assignments as on the source end.
- 4. Cable Management:** Route the snake cable neatly to avoid kinks, excessive bending, or tripping hazards. Use cable ties or wraps if necessary to keep the setup organized. Avoid placing the cable near sources of electromagnetic interference.
- 5. Power Off Equipment:** It is recommended to power off all audio equipment before making or breaking connections to prevent potential damage or loud pops.

The balanced design of the TRS connectors helps to reject noise and interference, providing a clean signal path. Ensure that both your source and destination equipment support balanced connections for optimal performance.

## OPERATING

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Once the Hosa CSS-801 Balanced Snake is properly set up, its operation is straightforward. It acts as a passive conduit for audio signals.

- **Signal Flow:** The snake facilitates the transmission of 8 independent balanced audio signals from one point to another. Ensure that the signal levels from your source equipment are appropriate for the inputs of your destination equipment.
- **Channel Integrity:** Each channel of the snake is isolated, meaning signals from one channel will not interfere with signals on another. Maintain consistent channel assignments throughout your audio chain for easy identification and troubleshooting.
- **Monitoring:** After connecting, perform a sound check to verify that all channels are transmitting audio correctly and without unwanted noise. Adjust gain levels on your equipment as needed.

This product is designed for reliable signal transfer in various audio environments, both indoor and outdoor. Its robust construction ensures durability during regular use.

## MAINTENANCE

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To ensure the longevity and optimal performance of your Hosa CSS-801 Balanced Snake, follow these maintenance guidelines:

- **Cleaning:**
  - Wipe the cable jacket and connectors with a soft, dry, lint-free cloth to remove dust and dirt.
  - For stubborn grime, a slightly damp cloth (with water only) can be used, ensuring the cable is completely dry before storage or next use.
  - Avoid using harsh chemicals, solvents, or abrasive cleaners, as these can damage the cable's outer material or connectors.
- **Proper Coiling:**

- Always coil the snake using the "over-under" method to prevent twisting and kinking, which can damage the internal conductors over time.
  - Do not coil the cable too tightly.
- **Storage:**
    - Store the snake in a cool, dry place, away from direct sunlight, extreme temperatures, and excessive humidity.
    - Keep it away from heavy objects that could crush or crimp the cable.
    - The snake comes in a sealed anti-static bag; consider storing it in a similar protective environment when not in use.
  - **Inspection:** Periodically inspect the cable and connectors for any signs of wear, damage, or corrosion. Address any issues promptly to prevent further degradation.

## TROUBLESHOOTING

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If you encounter issues with your Hosa CSS-801 Balanced Snake, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
No audio signal on one or more channels.	<ul style="list-style-type: none"> <li>• Loose or incorrect connection.</li> <li>• Faulty source or destination equipment.</li> <li>• Damaged cable or connector.</li> <li>• Incorrect channel assignment.</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure all 1/4-inch TRS connectors are fully inserted and secure.</li> <li>• Test the source and destination equipment with a known working cable.</li> <li>• Inspect the cable for visible damage (kinks, cuts) and the connectors for bent pins or corrosion.</li> <li>• Verify that the correct channels are connected at both ends.</li> </ul>
Humming or buzzing noise.	<ul style="list-style-type: none"> <li>• Ground loop.</li> <li>• Electromagnetic interference (EMI).</li> <li>• Unbalanced connection (if one end is connected to an unbalanced input/output).</li> </ul>	<ul style="list-style-type: none"> <li>• Ensure all equipment is properly grounded.</li> <li>• Route the snake away from power cables, transformers, and other sources of EMI.</li> <li>• Confirm that both connected devices are using balanced inputs/outputs for the TRS connections.</li> </ul>
Intermittent signal.	<ul style="list-style-type: none"> <li>• Loose connection.</li> <li>• Internal cable damage.</li> <li>• Damaged connector.</li> </ul>	<ul style="list-style-type: none"> <li>• Check and re-secure all connections.</li> <li>• Gently flex the cable along its length while audio is playing to identify potential internal breaks.</li> <li>• Inspect connectors for damage.</li> </ul>

If these steps do not resolve the issue, the cable may be faulty and require replacement. For further assistance, contact Hosa customer support.

## SPECIFICATIONS

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Detailed technical specifications for the Hosa CSS-801 Balanced Snake:

- **Model Name:** CSS-801
- **Cable Type:** Balanced Audio Snake
- **Channels:** 8-channel

- **Connectors:** 1/4 inch TRS Male to 1/4 inch TRS Male (on both ends)
- **Length:** 1 meter (3.3 feet)
- **Conductors:** Oxygen-Free Copper (OFC)
- **Shielding:** OFC Spiral Shields
- **Color:** Assorted (for channel identification)
- **Connector Gender:** Male
- **Number of Pins:** 3 (TRS)
- **Outer Material:** Oxygen-Free Copper (referring to conductor material, not jacket)
- **Compatible Devices:** Audio Equipment (Pro audio gear interconnection, mixing consoles, patch bays)
- **Indoor/Outdoor Usage:** Indoor, Outdoor
- **Item Weight:** Approximately 0.75 Pounds (12 ounces)
- **Customer Package Type:** Sealed Anti-Static Bag

## WARRANTY AND SUPPORT

Hosa products are known for their quality and reliability. For specific warranty information regarding your Hosa CSS-801 Balanced Snake, please refer to the documentation included with your purchase or visit the official Hosa website. For technical support, product inquiries, or warranty claims, please contact Hosa customer service directly. You can often find contact information and support resources on the official Hosa website:

[Visit the Hosa Store on Amazon](#)

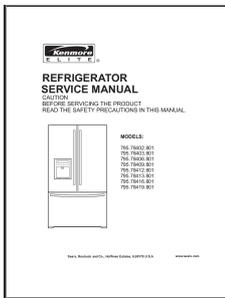
*Note: This manual does not contain embedded video content as no relevant official product videos were available from the manufacturer for this specific model at the time of creation. If official videos become available, they would typically be placed in relevant sections such as Setup or Operating, with a maximum width of 420px and a detailed text description.*

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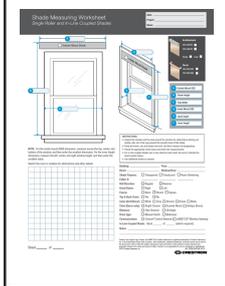
## Related Documents - CSS-801

	<p><a href="#">Hosa Sidekick DIB-445 48V Phantom Powered Active DI Box</a></p> <p>The Hosa Sidekick DIB-445 is a 48V phantom powered active DI box that converts unbalanced instrument signals to balanced line-level signals for DAWs and mixing consoles. It features an on-board transformer, multiple outputs, a pad switch, ground lift, and polarity flip, designed for instruments like guitars with passive pickups.</p>
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[Kenmore Elite Refrigerator Service Manual - Models 795.78402.801-795.78419.801](#)

Service manual for Kenmore Elite refrigerators, covering models 795.78402.801 through 795.78419.801. Provides detailed technical information for repair and troubleshooting.



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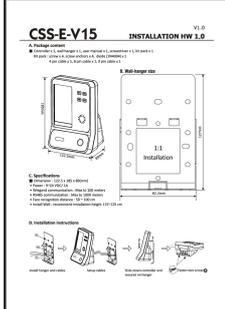
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Installation guide for the Chiyu Technology CSS-E-V15 Face Recognition Controller, covering package contents, specifications, application structures, terminal descriptions, installation instructions, cable details, and FCC compliance.