



Manuals.plus /

› HERTZ /

› HERTZ H8-DSP-DRC Digital Interface Processor User Manual

HERTZ H8DSP DRC HE

HERTZ H8-DSP-DRC Digital Interface Processor User Manual

High Performance 8 Channel Digital Interface Processor + DRC HE Remote Control

1. INTRODUCTION

Thank you for choosing the HERTZ H8-DSP-DRC Digital Interface Processor. This device is designed to optimize your car audio system's performance by providing advanced digital signal processing capabilities. This manual provides essential information for proper installation, operation, and maintenance of your H8-DSP-DRC to ensure optimal sound quality and longevity.

2. SAFETY INFORMATION

Please read all safety instructions before installing and operating the H8-DSP-DRC. Failure to follow these guidelines may result in injury or damage to the device or vehicle.

- Always disconnect the vehicle's battery negative terminal before making any electrical connections.
- Ensure all wiring is properly insulated and secured to prevent short circuits and damage.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Consult a professional installer if you are unsure about any installation steps.
- Use only specified power and signal cables.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- H8-DSP-DRC Digital Interface Processor
- DRC HE Remote Control
- Wiring Harnesses
- Mounting Hardware

- User Manual (this document)

4. PRODUCT OVERVIEW

The HERTZ H8-DSP-DRC is an 8-channel digital signal processor designed for precise audio control. It features multiple input and output options, advanced filtering capabilities, and a dedicated remote control for convenient adjustments.



Figure 4.1: HERTZ H8-DSP-DRC Digital Interface Processor, top view.

Key Features:

- Automatic Remote Turn-Off: Simplifies integration with vehicle's electrical system.
- Filter Type: Full/High Pass/Low Pass/Band Pass for comprehensive sound shaping.
- Max Output (RMS): 4V for robust signal delivery.
- Aux Input: Low Level for additional audio sources.

5. SETUP

5.1 Physical Installation

Choose a secure, dry location for mounting the H8-DSP-DRC, away from heat sources and direct sunlight. Ensure adequate ventilation around the unit. Use the provided mounting hardware to firmly attach the processor to a stable surface in your vehicle.



Figure 5.1: Top panel layout of the HERTZ H8-DSP-DRC, showing input level controls, power, and speaker turn-on switches.

5.2 Wiring Connections

Carefully connect all power, ground, remote, and audio signal cables. Refer to the wiring diagram provided in the separate installation guide for detailed instructions. Ensure proper polarity for all connections.



Figure 5.2: Rear panel connections of the HERTZ H8-DSP-DRC, including RCA outputs, optical input, and USB port.



Figure 5.3: Front panel connections of the HERTZ H8-DSP-DRC, showing power input, remote turn-on, and auxiliary inputs.

5.3 Initial Configuration

After all physical connections are made, connect the H8-DSP-DRC to a computer via USB. Install the dedicated HERTZ DSP software to access and configure the processor's settings. This software allows for detailed adjustments of crossovers, equalization, time alignment, and more.

- **Input Level Adjustment:** Use the 'IN level' potentiometers on the unit to match the input sensitivity to your source unit's output. The 'CLIP' indicator will illuminate if the input signal is too high.
- **Speaker Turn On:** Set the 'SPEAKER TURN ON' switch to 'ON' for automatic remote turn-on or 'OFF' if using a dedicated remote wire.
- **DE-EQ SET:** This switch is used for de-equalization settings, typically for integrating with factory head units. Refer to the software manual for specific usage.

6. OPERATING

6.1 Basic Operation

Once configured via the software, the H8-DSP-DRC operates automatically. It processes the audio signal according to your saved settings, delivering an optimized signal to your amplifiers.

6.2 Advanced Features

The H8-DSP-DRC offers extensive control over your audio system:

- **Crossovers:** Set precise high-pass, low-pass, and band-pass filters for each channel to direct specific frequency ranges to appropriate speakers.

- **Equalization:** Utilize multi-band parametric EQs for fine-tuning the frequency response of each output channel.
- **Time Alignment:** Adjust the delay for each speaker to ensure all sound waves arrive at the listening position simultaneously, creating a focused soundstage.
- **Phase Control:** Correct phase discrepancies between speakers to improve bass response and overall clarity.

6.3 DRC HE Remote Control

The DRC HE remote control provides convenient access to essential functions without needing to access the DSP software. Functions typically include master volume control, subwoofer level, source selection, and preset recall.

7. MAINTENANCE

The HERTZ H8-DSP-DRC requires minimal maintenance. Keep the unit clean and free from dust. Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners. Ensure all connections remain secure over time.

8. TROUBLESHOOTING

If you encounter issues with your H8-DSP-DRC, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Blown fuse, incorrect wiring, loose connection	Check power and ground connections, inspect fuse, verify remote turn-on signal.
No sound output	Incorrect input/output routing, muted channels, amplifier issue	Verify settings in DSP software, check amplifier status, ensure all audio cables are connected.
Distorted sound	Input signal too high (clipping), incorrect gain settings, faulty cables	Reduce input level, adjust gain settings in software, inspect audio cables for damage.
DRC HE not responding	Loose cable, software conflict	Ensure DRC HE cable is securely connected. Restart the DSP software or unit.

If problems persist, consult the HERTZ technical support or a qualified installer.

9. SPECIFICATIONS

Detailed technical specifications for the HERTZ H8-DSP-DRC:

- **Product Dimensions:** 7.51 x 1.33 x 4.76 inches
- **Item Weight:** 1.3 pounds
- **Item Model Number:** H8DSP DRC HE
- **Manufacturer:** Hertz
- **Aux Input:** Low Level
- **Max Output (RMS):** 4V
- **Filter Type:** Full/High Pass/Low Pass/Band Pass
- **Automatic Remote Turn-Off:** Yes

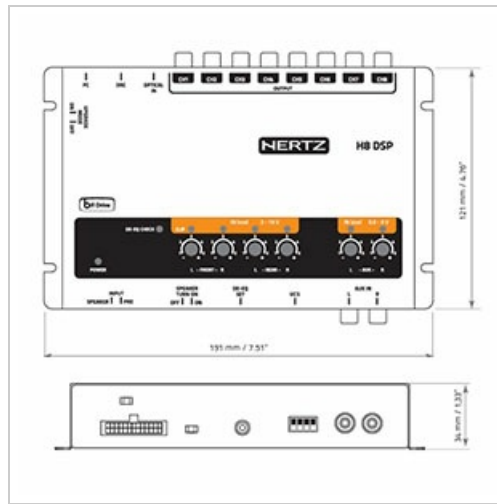


Figure 9.1: Dimensional drawing of the HERTZ H8-DSP-DRC.

10. WARRANTY AND SUPPORT

HERTZ products are designed and manufactured to the highest quality standards. For warranty information, please refer to the warranty card included with your product or visit the official HERTZ website. For technical support, contact your authorized HERTZ dealer or the HERTZ customer service department.

