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› Harmony Audio HA-KENW22-16 Wire Harness Instruction Manual for Kenwood DNX-710EX Aftermarket Stereo

## Harmony Audio HA-KENW22-16

# Harmony Audio HA-KENW22-16 Wire Harness Instruction Manual

Compatible with Kenwood DNX-710EX Aftermarket Stereo Radio Receivers

## 1. INTRODUCTION

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This manual provides essential instructions for the proper installation and use of the Harmony Audio HA-KENW22-16 Wire Harness. This product is designed to facilitate the connection of an aftermarket stereo radio receiver, specifically the Kenwood DNX-710EX, to your vehicle's existing wiring system. Please read these instructions carefully before beginning installation to ensure correct and safe operation.

## 2. PRODUCT OVERVIEW

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The Harmony Audio HA-KENW22-16 is a replacement wire harness engineered for seamless integration with the Kenwood DNX-710EX aftermarket stereo. It features a direct OEM fit connection and clearly marked, color-coded wires to simplify the installation process. The harness is constructed with 18 gauge high-quality wire and includes a 22-pin connector for reliable electrical connections.



### 3.1. Safety Precautions

- Always disconnect the negative terminal of the vehicle's battery before starting work.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Consult a professional if you are unsure about any part of the installation process.

### 3.2. Wiring Connection Guide

The HA-KENW22-16 harness features color-coded wires that correspond to standard aftermarket radio wiring conventions. It is essential to match these wires to the corresponding wires on your Kenwood DNX-710EX stereo's harness and your vehicle's factory harness. Refer to your Kenwood stereo's instruction manual for its specific wiring diagram.

Below is a general guide for common wire colors and their functions. **Always verify with your specific radio's manual.**

Wire Color	Function
Yellow	Constant 12V (Memory/Battery)
Red	Switched 12V (Accessory/Ignition)
Black	Ground
Blue	Power Antenna / Remote Turn-On
Orange	Illumination
White / White-Black	Front Left Speaker (+/-)
Gray / Gray-Black	Front Right Speaker (+/-)
Green / Green-Black	Rear Left Speaker (+/-)
Purple / Purple-Black	Rear Right Speaker (+/-)

### 3.3. Installation Steps

1. **Prepare Connections:** Carefully strip a small portion of insulation from the ends of the wires on the Harmony Audio harness and your aftermarket Kenwood DNX-710EX stereo harness.
2. **Match and Connect:** Match the color-coded wires from the Harmony Audio harness to the corresponding wires on your Kenwood stereo's harness. Use appropriate connectors (crimp caps, solder, or heat shrink connectors) to ensure secure and reliable connections.
3. **Insulate Connections:** After making each connection, insulate it thoroughly with electrical tape or heat shrink tubing to prevent short circuits.
4. **Connect to Vehicle:** Once all connections between the Harmony Audio harness and the Kenwood stereo harness are complete, plug the 22-pin connector of the Harmony Audio harness into the vehicle's factory wiring harness.
5. **Test System:** Reconnect the vehicle's battery. Turn on the vehicle and test the stereo's functionality (power, audio, balance, fader, illumination, etc.) before fully reassembling the dashboard.
6. **Final Assembly:** Once confirmed working, carefully route the wires to avoid pinching and secure the stereo in its mounting location. Reassemble the dashboard components.

## 4. SPECIFICATIONS

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- **Model Number:** HA-KENW22-16
- **Compatibility:** Kenwood DNX-710EX Aftermarket Stereo Radio Receiver
- **Connector Type:** 22-Pin
- **Wire Gauge:** 18 Gauge
- **Features:** Plug and Play, Color Coded Wires, Direct OEM Fit Connection
- **Product Dimensions:** Approximately 7 x 5 x 1 inches
- **Item Weight:** Approximately 1.6 ounces

## 5. TROUBLESHOOTING

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If you encounter issues after installation, consider the following common troubleshooting steps:

- **No Power to Stereo:** Check the yellow (constant 12V) and red (switched 12V) wire connections. Ensure the vehicle's fuses are intact.
- **No Sound:** Verify all speaker wire connections (positive and negative) are correctly matched and secure. Check the stereo's fader and balance settings.
- **Intermittent Power/Sound:** Inspect all connections for looseness or poor insulation. Ensure wires are not pinched.
- **Incorrect Function (e.g., no memory, no illumination):** Double-check the specific function wires (e.g., yellow for memory, orange for illumination) are correctly connected.
- **Vehicle Specific Issues:** Some vehicles may require additional interfaces (e.g., for steering wheel controls, amplified systems). This harness provides basic power and speaker connections.

## 6. WARRANTY AND SUPPORT

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Harmony Audio products are manufactured to high standards. For specific warranty information or technical support, please refer to the official Harmony Audio website or contact their customer service department. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the Harmony Audio store on Amazon: [Harmony Audio Store](#)