



## 16-Pin Wiring Harness Plug

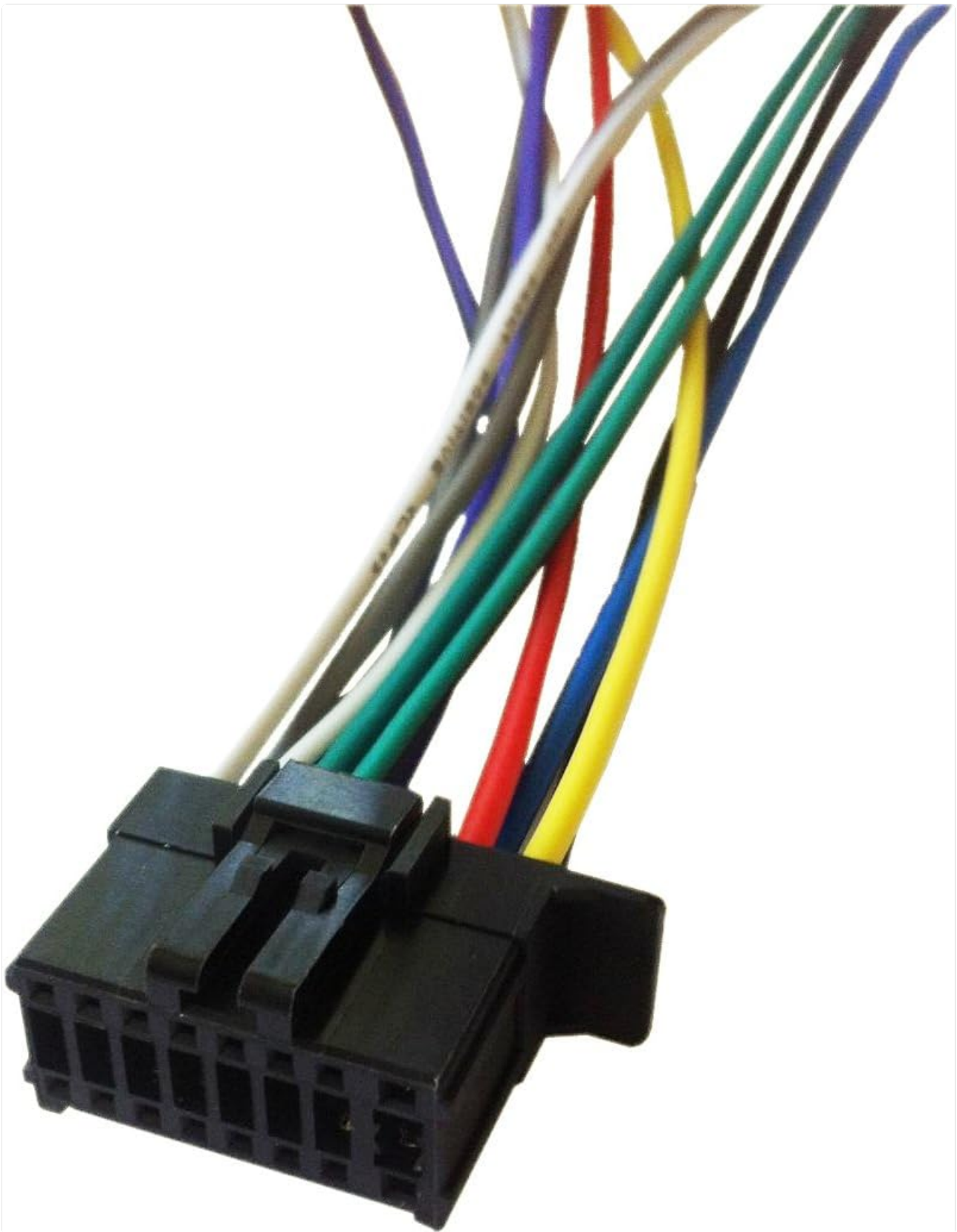
# PIONEER DEH-X3500UI / DEH-X3600UI Player Wiring Harness Plug User Manual

Model: 16-Pin Wiring Harness Plug  
Brand: Generic

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of the Generic 16-Pin Wiring Harness Plug, designed for compatibility with Pioneer DEH-X3500UI and DEH-X3600UI car audio players. This harness facilitates the connection of your car stereo system, ensuring proper power and signal distribution.



*Image: The 16-pin wiring harness plug, featuring a black plastic connector with various colored wires extending from it, indicating different electrical functions.*

## **SETUP AND INSTALLATION**

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Before beginning installation, ensure your vehicle's battery is disconnected to prevent electrical shorts or damage. Refer to your Pioneer DEH-X3500UI or DEH-X3600UI player's manual for specific wiring diagrams if available.

### **Wiring Color Code Guide:**

Wire Color	Function
Yellow	Constant 12V (Battery)
Red	Switched 12V (Accessory/Ignition)
Black	Ground
Blue	Power Antenna / Amplifier Remote Turn-On
Orange/White	Illumination / Dimmer
Green	Left Rear Speaker (+)
Green/Black	Left Rear Speaker (-)
Purple	Right Rear Speaker (+)
Purple/Black	Right Rear Speaker (-)
White	Left Front Speaker (+)
White/Black	Left Front Speaker (-)
Gray	Right Front Speaker (+)
Gray/Black	Right Front Speaker (-)
Light Green	Parking Brake (for video playback safety)
Brown	Mute
Blue/White	Remote Turn-On (for external amplifier)

## Installation Steps:

- 1. Disconnect Battery:** Before any wiring, disconnect the negative terminal of your vehicle's battery.
- 2. Identify Vehicle Wiring:** Carefully identify the corresponding wires in your vehicle's existing wiring harness. This may require a vehicle-specific wiring diagram or a multimeter.
- 3. Match and Connect Wires:** Match the wires from the Generic 16-Pin Wiring Harness Plug to the corresponding wires in your vehicle's harness based on the color code guide above. Use appropriate wiring connectors (crimp caps, solder, heat shrink tubing) to ensure secure and insulated connections.
- 4. Connect to Head Unit:** Plug the 16-pin connector into the back of your Pioneer DEH-X3500UI or DEH-X3600UI car audio player.
- 5. Secure Wiring:** Ensure all connections are secure and neatly tucked away to prevent pinching or short circuits.
- 6. Reconnect Battery:** Once all connections are made and secured, reconnect the negative terminal of your vehicle's battery.
- 7. Test Functionality:** Turn on your car audio player and test all functions (power, audio from all speakers, illumination, etc.) to ensure correct installation.

## OPERATING CONSIDERATIONS

This wiring harness is a passive component designed to facilitate electrical connections. Its operation is directly tied to the proper functioning of your car audio player and vehicle's electrical system.

- **Correct Polarity:** Always ensure correct positive and negative connections for speakers and power to prevent damage to speakers or the head unit.
- **Secure Connections:** Loose connections can lead to intermittent audio, power issues, or even short circuits. Verify all

connections are firm.

- **Vehicle Compatibility:** While designed for specific Pioneer models, ensure your vehicle's electrical system can support the power requirements of your car audio player.

## MAINTENANCE

The wiring harness requires minimal maintenance. Regular checks can help ensure longevity and reliable performance.

- **Visual Inspection:** Periodically inspect the harness for any signs of wear, fraying, or damage to the wire insulation.
- **Connection Integrity:** Ensure that all crimped or soldered connections remain secure and free from corrosion.
- **Cleanliness:** Keep the area around the harness free from excessive dust or moisture, which can degrade connections over time.

## TROUBLESHOOTING

If you encounter issues after installing the wiring harness, consider the following common problems and solutions:

Problem	Possible Cause	Solution
No Power to Head Unit	Incorrect constant 12V (Yellow) or switched 12V (Red) connection; Blown fuse; Loose ground (Black) wire.	Check Yellow and Red wire connections for proper voltage. Inspect vehicle's fuse box and head unit's fuse. Ensure Black wire has a solid ground connection.
No Audio from Speakers	Incorrect speaker wire connections (polarity or wrong speaker); Amplifier remote wire (Blue) not connected (if using external amp).	Verify all speaker wire connections match the correct channels and polarity. Ensure Blue wire is connected to the amplifier's remote turn-on if applicable.
Intermittent Power/Audio	Loose or corroded wire connections.	Inspect all connections for tightness and signs of corrosion. Re-crimp or re-solder as necessary.
Head Unit Not Dimming with Lights	Illumination/Dimmer wire (Orange/White) not connected or connected incorrectly.	Verify the Orange/White wire is correctly connected to the vehicle's illumination circuit.

If troubleshooting steps do not resolve the issue, it is recommended to consult a professional car audio installer.

## SPECIFICATIONS

- **Product Type:** Car Audio Wiring Harness Plug
- **Compatibility:** Pioneer DEH-X3500UI, Pioneer DEH-X3600UI
- **Number of Pins:** 16-Pin
- **Material:** High-quality copper wire, durable plastic connector
- **Manufacturer:** Generic
- **ASIN:** B0714KSP9B
- **Date First Available:** November 20, 2016

## WARRANTY AND SUPPORT

As a generic product, specific warranty details may vary depending on the retailer or seller from whom the product was purchased. Please refer to your purchase receipt or contact your seller directly for warranty information.

For technical support regarding the installation or compatibility of this wiring harness, it is recommended to consult with a certified car audio technician or refer to online resources and forums dedicated to Pioneer car audio systems.

This product is intended for use by individuals with knowledge of car audio wiring and electrical systems. Improper installation can

lead to damage to the product, your car audio player, or your vehicle's electrical system.