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Metra 40-UV42

Metra 40-UV42 Male to Male Motorola Antenna Cable

Instruction Manual

1. Introduction

The Metra 40-UV42 is a universal male-to-male antenna adapter cable designed to facilitate the connection of vehicle radio systems to existing antenna setups. This cable ensures compatibility between different antenna connector types, commonly found in automotive audio installations. It is engineered for reliable signal transmission and a secure fit into factory antenna plugs.





Figure 1: The Metra 40-UV42 Male to Male Motorola Antenna Cable, showing its two male connectors.

2. Setup and Installation

This antenna cable is used to adapt or extend an existing antenna connection in a vehicle. Follow these steps for proper installation:

1. **Identify Connection Points:** Locate the antenna input on your vehicle's radio or aftermarket head unit and the antenna output from the vehicle's factory wiring harness.
2. **Connect the Cable:** Insert one male end of the Metra 40-UV42 cable into the antenna input of your radio. Ensure a firm and secure connection.
3. **Connect to Vehicle Antenna:** Insert the other male end of the Metra 40-UV42 cable into the factory antenna plug from your vehicle's wiring harness. Again, ensure a firm and secure connection.
4. **Test Functionality:** After connecting, power on your radio and test the antenna reception to confirm proper installation.

The cable is designed to fit into factory plugs, providing a seamless connection for your audio system.



Figure 2: The Metra 40-UV42 cable, illustrating its male-to-male configuration for antenna connections.

3. Operating Instructions

The Metra 40-UV42 is a passive antenna adapter cable and does not require active operation. Once correctly installed, it functions by transmitting the radio frequency (RF) signal from your vehicle's antenna to your radio unit. Its primary role is to ensure electrical continuity and proper impedance matching between the antenna and the receiver.

Ensure that all connections are tight to prevent signal loss or interference. The cable is designed for both indoor (within the vehicle cabin) and outdoor (e.g., external antenna connections, if protected) usage environments.

4. Maintenance

To ensure the longevity and optimal performance of your Metra 40-UV42 antenna cable, consider the following maintenance guidelines:

- **Inspect Connections:** Periodically check that both ends of the cable are securely connected and free from corrosion or damage.
- **Cable Routing:** Ensure the cable is routed in a manner that avoids sharp bends, kinks, or being pinched by vehicle components, which can damage the internal wiring.
- **Cleanliness:** Keep the connectors clean and free from dust, dirt, or moisture. Use a dry, soft cloth for cleaning if necessary.
- **Environmental Protection:** While suitable for vehicle environments, avoid exposing the cable to extreme temperatures or harsh chemicals.

5. Troubleshooting

If you experience issues with your radio's antenna reception after installing the Metra 40-UV42 cable, consider the following troubleshooting steps:

- **No Signal or Weak Signal:**
  - Verify that both ends of the 40-UV42 cable are fully inserted and securely connected to the radio and the vehicle's antenna harness.
  - Check for any visible damage to the cable, such as cuts, kinks, or crushed sections.
  - Ensure that the vehicle's antenna itself is properly installed and not damaged.
  - Confirm that the radio unit is functioning correctly by testing with a known good antenna source if possible.
- **Intermittent Signal:**
  - This often indicates a loose connection. Re-seat both connectors firmly.

- Check for any movement or vibration that might be dislodging the connections.



Figure 3: An angled view of the Metra 40-UV42 cable, highlighting the connector design.

6. Specifications

Brand	Metra
Model Name	40-UV42
Connector Type	RF Connector
Cable Type	Antenna Cable (Note: Product data incorrectly lists HDMI, but context indicates RF/Antenna)
Compatible Devices	Vehicle Radio, Antenna
Color	Black
Connector Gender	Male-to-Male
Product Dimensions	2 x 14.25 x 0.25 inches (approximate)
Item Weight	0.688 ounces (approximate)
UPC	086429007141





Figure 4: Front view of the Metra 40-UV42 product packaging.





Figure 5: Back view of the Metra 40-UV42 product packaging, displaying the UPC: 086429007141.

7. Warranty and Support

For information regarding product warranty, please refer to the official Metra Electronics Corporation website or contact their customer support directly. Warranty terms and conditions may vary.

If you require technical assistance or have questions not covered in this manual, please contact Metra customer support through their official channels. Keep your purchase receipt and product model number (40-UV42) available when seeking support.

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