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GRABOTE Dual XDCPA10BT

Instruction Manual

GRABOTE Dual XDCPA10BT 18 Pin Connector Camera Cable / Cord Assembly Harness

INTRODUCTION

Thank you for choosing the GRABOTE Dual XDCPA10BT 18 Pin Connector Camera Cable. This manual provides essential information for the proper setup, operation, and maintenance of your new cord assembly harness. Please read this manual thoroughly before installation and keep it for future reference.

PRODUCT OVERVIEW

The Dual XDCPA10BT 18 Pin Connector Camera Cable is a high-quality cord assembly harness designed for reliable signal transmission in vehicle electronics systems. It serves as a replacement part for old, damaged, or broken harnesses, ensuring high performance and durability.

Key Features:

- Specifically designed for Dual XDCPA10BT systems.
- Features an 18-pin connector for comprehensive connectivity.
- Constructed from high-quality plastic material for strength and longevity.
- Ensures high reliability and performance for camera and audio/video signals.
- Provides smooth signal transmission and good electrical conductivity.

Package Contents:

- 1x 18 Pin connector Camera Cable

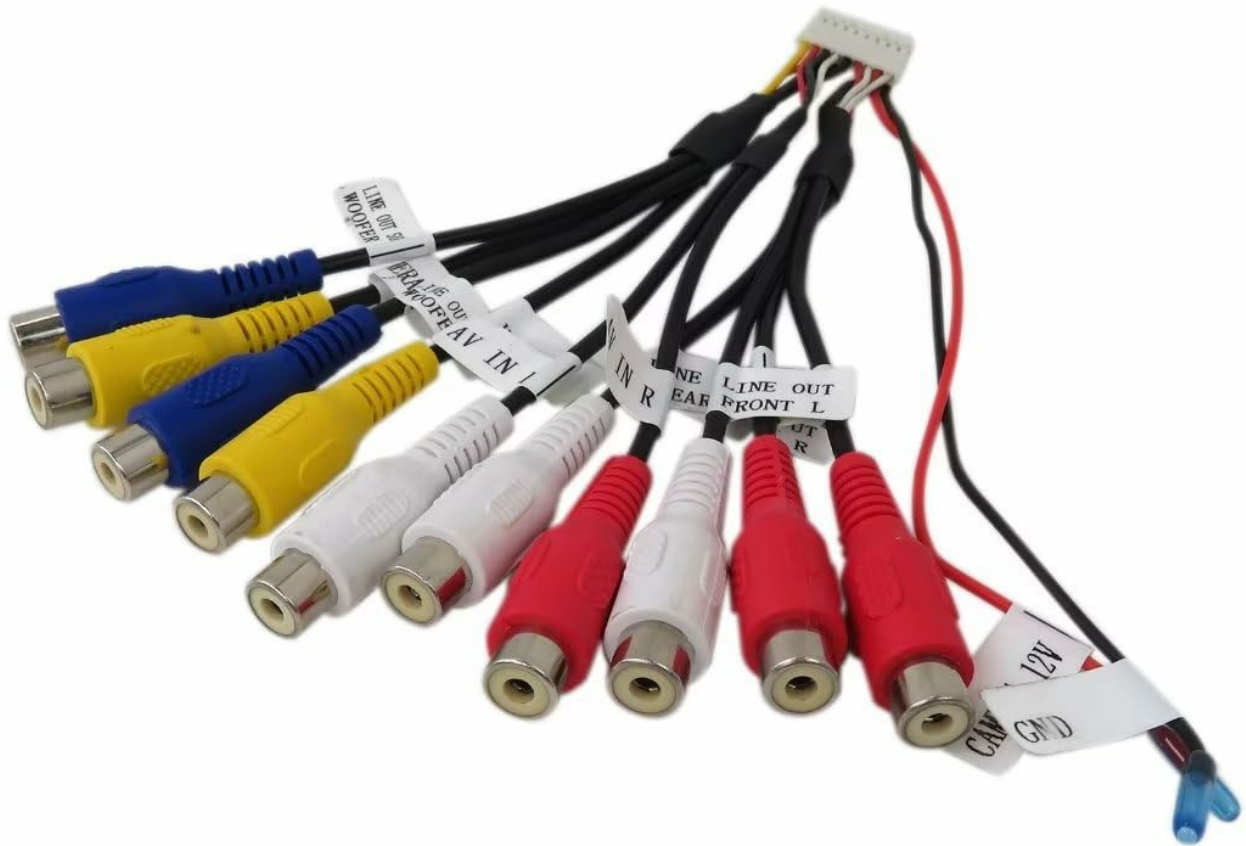


Image 1: The GRABOTE Dual XDCPA10BT 18 Pin Connector Camera Cable, showing the various RCA connectors and the main 18-pin plug.

SETUP AND INSTALLATION

This cord assembly harness is designed for direct replacement or integration into compatible vehicle audio/video systems, specifically those requiring an 18-pin connector for the Dual XDCPA10BT unit.

Installation Steps:

- 1. Preparation:** Ensure the vehicle's power is disconnected before beginning installation to prevent electrical shorts or damage. Refer to your vehicle's service manual for specific instructions on disconnecting power.
- 2. Locate Connection Point:** Identify the 18-pin port on your Dual XDCPA10BT head unit or compatible device. This port is typically located at the rear of the unit.
- 3. Connect the Harness:** Carefully align the 18-pin connector of the new harness with the corresponding port on your device. Gently push until it clicks securely into place. Avoid forcing the connection.
- 4. Connect RCA and Power Wires:**

- **Camera Input:** Connect your vehicle's reverse camera RCA output to the "CAMERA IN" RCA input on the harness (typically yellow).
 - **Audio/Video Inputs/Outputs:** Connect any additional audio (LINE OUT, AV IN) or video (VIDEO IN) RCA cables as required by your system configuration. Refer to the labels on each RCA connector.
 - **Power/Ground:** Connect the red (12V) and black (GND) wires from the harness to the appropriate power and ground sources in your vehicle's wiring system. Ensure these connections are secure and properly insulated.
5. **Secure Wiring:** Route all cables neatly and securely, away from moving parts or heat sources, to prevent damage or interference.
 6. **Test Functionality:** Reconnect the vehicle's power. Turn on your head unit and test all connected functions (e.g., reverse camera display, audio output, video input) to ensure proper operation.



Image 2: The 18-pin connector harness shown in relation to a car stereo unit, illustrating its intended connection point for preamplifier, video AV input/output, and camera functions.



Image 3: Close-up view of the 18-pin connector and an included dust-proof cap, highlighting the precision of the connection.

OPERATING PRINCIPLES

The GRABOTE Dual XDCPA10BT harness functions as an essential interface for your car's multimedia system. It facilitates the transmission of various signals:

- **Camera Signal:** The "CAMERA IN" RCA connector allows for the input of a video signal from a reverse camera, enabling the display of the rear view on your head unit's screen.
- **Audio Signals:** "LINE OUT" (Front L/R, Rear L/R, Subwoofer) RCA connectors provide pre-amplified audio outputs for connecting external amplifiers. "AV IN" RCA connectors allow for auxiliary audio input.
- **Video Signals:** "VIDEO IN" RCA connectors enable the input of external video sources.
- **Power and Ground:** The 12V and GND wires supply necessary power to the connected components and ensure proper grounding for stable operation.

Once properly installed, the harness ensures seamless communication between your Dual XDCPA10BT unit and connected peripherals, providing high-definition signal transmission and smooth operation.

✓ High definition

✓ Smooth signal transmission

✓ PVC/ Good electrical conductivity



Image 4: The harness emphasizing its quality attributes: high definition signal support, smooth signal transmission, and good electrical conductivity due to PVC material.

MAINTENANCE

The GRABOTE Dual XDCPA10BT cord assembly harness is designed for durability and requires minimal maintenance. Following these guidelines will help ensure its longevity and optimal performance:

- **Regular Inspection:** Periodically check all connections to ensure they remain secure and free from corrosion.
- **Cleanliness:** Keep the connectors and wires free from dust, dirt, and moisture. Use a dry, soft cloth for cleaning.
- **Avoid Stress:** Do not pull on the wires or connectors forcefully. Ensure cables are not bent sharply or pinched, as this can damage the internal wiring.
- **Environmental Protection:** While designed for automotive environments, avoid exposing the harness to extreme temperatures or direct contact with corrosive liquids.

TROUBLESHOOTING

If you encounter issues with your GRABOTE Dual XDCPA10BT harness, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|---|---|--|
| No camera display / No audio/video signal | Loose or incorrect connection. Incompatible device connected. Damaged harness or connected device. | Verify all 18-pin, RCA, and power/ground connections are secure and correctly matched. Ensure the connected camera or audio/video source is compatible with your Dual XDCPA10BT unit. Inspect the harness for any visible damage (cuts, frayed wires). If damaged, replacement may be necessary. |
| Poor signal quality (e.g., distorted video, static audio) | Interference from other vehicle electronics. Poor grounding. Damaged RCA connectors or internal wiring. | Ensure proper shielding and routing of cables away from power lines or ignition components. Verify the ground connection is clean and secure to a good chassis ground point. Inspect RCA connectors for bent pins or corrosion. |

If problems persist after attempting these steps, it is recommended to consult with a professional car audio installer or contact the manufacturer for further assistance.

SPECIFICATIONS

| Attribute | Detail |
|----------------------|---|
| Product Type | 18 Pin Connector Camera Cable / Cord Assembly Harness |
| Model Number | Dual XDCPA10BT |
| Brand | GRABOTE |
| Material | Plastic |
| Number of Pins | 18 |
| Connector Gender | Male-to-Male |
| Color | Multicolored |
| Compatible Devices | Camera (and other AV sources/outputs via RCA) |
| Manufacturer | GRABOTE |
| First Available Date | July 19, 2023 |

WARRANTY INFORMATION

Specific warranty details for the GRABOTE Dual XDCPA10BT 18 Pin Connector Camera Cable are typically provided by the seller or manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims. For detailed warranty terms and conditions, please refer to the documentation included with your product or contact GRABOTE directly.

CUSTOMER SUPPORT

For technical assistance, installation queries, or any other support needs regarding your GRABOTE Dual XDCPA10BT harness, please contact the seller from whom you purchased the product. You may also visit the official GRABOTE website for potential support resources or contact information.