

XTRONS FEXL009

XTRONS 5m MOST Fiber Optic Extension Cable (Model FEXL009)

Instruction Manual

1. PRODUCT OVERVIEW

The XTRONS 5m MOST Fiber Optic Extension Cable (Model FEXL009) is designed to extend or retrofit media-oriented systems in compatible vehicles. This male-to-male connector cable provides a reliable fiber optic link for automotive infotainment systems.

It is compatible with infotainment systems in vehicles such as Mercedes, BMW, Audi, VW, Porsche, and SEAT. The cable features a compact design, plug-and-play functionality, and protective sleeving for durability.



Figure 1.1: XTRONS 5m MOST Fiber Optic Extension Cable. This image displays the orange, coiled 5-meter fiber optic cable with male connectors at each end, designed for extending automotive media systems.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before installing or removing any electronic components to prevent electrical shorts or damage.
- Handle fiber optic cables with care. Avoid sharp bends, kinks, or excessive pulling, as this can damage the optical fibers and impair performance.
- Ensure connectors are clean and free from dust or debris before connection. Contaminants can degrade signal quality.
- Do not look directly into the end of an active fiber optic cable, as invisible laser light can cause eye damage.
- Route cables away from moving parts, heat sources, and sharp edges within the vehicle to prevent wear and damage.
- If you are unsure about any installation steps, consult a qualified automotive technician.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x XTRONS 5m MOST Fiber Optic Extension Cable (Male to Male)

4. SETUP AND INSTALLATION

This cable is designed for plug-and-play installation. Follow these general steps for connecting the extension cable:

1. **Identify Connection Points:** Locate the existing MOST fiber optic connection points in your vehicle's infotainment system where the extension is needed. This typically involves components like the head unit, amplifier, CD changer, or navigation module.
2. **Disconnect Existing Cable (if applicable):** If you are replacing or extending an existing cable, carefully disconnect the current fiber optic cable from the module. Press the release tab on the connector and gently pull it out.
3. **Connect the Extension Cable:** Insert one end of the XTRONS 5m MOST Fiber Optic Extension Cable into the first module's fiber optic port. Ensure it clicks securely into place.
4. **Route the Cable:** Carefully route the cable to the second module's fiber optic port, ensuring it is not pinched, bent sharply, or exposed to excessive tension. Utilize the protective sleeving to prevent damage.
5. **Connect the Second End:** Insert the other end of the extension cable into the second module's fiber optic port until it clicks securely.
6. **Verify Connections:** Double-check that both ends of the cable are firmly seated and that there are no visible signs of damage to the cable or connectors.
7. **Test System:** Reconnect the vehicle's battery (if disconnected) and test the infotainment system to ensure proper functionality and signal transmission.

Note: Specific installation procedures may vary depending on your vehicle model and the components being connected. Refer to your vehicle's service manual for detailed instructions on accessing and connecting to MOST bus components.

5. OPERATING INSTRUCTIONS

The XTRONS 5m MOST Fiber Optic Extension Cable is a passive component designed to transmit digital audio and control signals within a MOST (Media Oriented Systems Transport) network. Once properly installed, the cable operates automatically as part of the vehicle's infotainment system. No user interaction is required for its operation.

Ensure all connected components (e.g., head unit, amplifier) are powered on and configured correctly according to their respective instruction manuals for the MOST network to function as intended.

6. MAINTENANCE

- **Inspection:** Periodically inspect the cable for any signs of physical damage, such as cuts, kinks, or frayed protective sleeving.
- **Cleaning:** If connectors become dirty, gently clean them with a lint-free cloth and a specialized fiber optic cleaning solution. Avoid using abrasive materials or solvents.
- **Routing:** Ensure the cable remains securely routed and is not subjected to undue stress or movement that could lead to damage over time.
- **Storage:** If the cable is removed for storage, coil it loosely and store it in a clean, dry environment away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you experience issues after installing the XTRONS MOST Fiber Optic Extension Cable, consider the following troubleshooting steps:

- **No Audio/Functionality:**

- Verify that both ends of the fiber optic cable are securely connected to their respective modules.
- Check for any visible damage to the cable (kinks, cuts). Even minor damage can disrupt the optical signal.
- Ensure the vehicle's infotainment system and all connected components are powered on and correctly configured.
- Confirm that the cable is compatible with your specific vehicle's MOST system.

- **Intermittent Signal:**

- Inspect connectors for dirt or debris. Clean if necessary.
- Ensure the cable is not being pinched or stressed by other components in the vehicle.

- **System Errors:**

- If your vehicle's diagnostic system reports MOST bus errors, it may indicate a problem with the fiber optic loop. The extension cable is part of this loop.
- Consider temporarily bypassing the extension cable (if possible) to determine if the issue lies with the cable itself or another component in the MOST network.

For persistent issues, it is recommended to consult a professional automotive electronics specialist or contact XTRONS customer support.

8. SPECIFICATIONS

Model Number	FEXL009
Brand	XTRONS
Cable Type	Fibre Optic (MOST)
Cable Length	5 meters
Connector Type	Male-to-Male (RJ45 style housing for MOST)
Special Feature	Protective Sleeving
Compatible Devices	Mercedes Infotainment System, BMW Infotainment System, Audi Infotainment System, VW Infotainment System, Porsche Infotainment System, SEAT Infotainment System
Color	Orange
Indoor/Outdoor Usage	Indoor, Outdoor
Certifications	CE, RoHS, UL

9. WARRANTY AND SUPPORT

Warranty: This product comes with a 3-month warranty from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects but does not cover damage caused by improper installation, misuse, or physical alteration.

Customer Support: For technical assistance, troubleshooting, or warranty inquiries, please contact XTRONS customer support through their official website or the retailer from whom the product was purchased. Provide your

product model number (FEXL009) and purchase details when contacting support.
For more information, visit the official XTRONS website: www.xtrons.com