

## Kufatec 39067

# Kufatec Conversion Adapter for BMW MULF/TCU to Combox - Model 39067 Instruction Manual

Model: 39067

## 1. INTRODUCTION

This instruction manual provides detailed guidance for the installation and use of the Kufatec Conversion Adapter, Model 39067. This adapter is designed to facilitate the upgrade of your BMW vehicle's infotainment system from a MULF (Multimedia Universal Lade- und Freisprecheinrichtung) or TCU (Telematics Control Unit) system to a newer Combox unit. The adapter ensures proper electrical connection between the vehicle's existing wiring harness and the new Combox module, enabling advanced features such as enhanced Bluetooth connectivity, media streaming, and internet services.

## 2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before beginning any electrical installation to prevent short circuits or damage to electronic components.
- Ensure all connections are secure and properly insulated to avoid electrical hazards.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Do not modify the adapter or vehicle wiring unless explicitly instructed. Unauthorized modifications can void warranties and cause damage.
- Keep the adapter and tools away from children.

## 3. PACKAGE CONTENTS

Please verify that all items are present before proceeding with the installation:

- 1x Kufatec Conversion Adapter (Model 39067)

**Note:** The Combox unit itself is not included with this adapter and must be acquired separately.

## 4. INSTALLATION INSTRUCTIONS

This section outlines the general steps for installing the Kufatec Conversion Adapter. Specific vehicle disassembly procedures may vary. Refer to your vehicle's service manual for detailed instructions on accessing the MULF/TCU module.

## 4.1. Preparation

1. Park the vehicle on a level surface and engage the parking brake.
2. Turn off the ignition and remove the key.
3. Disconnect the negative terminal of the vehicle's battery. Wait at least 5 minutes before proceeding to allow all electrical systems to power down.
4. Locate the existing MULF or TCU module in your BMW. This is typically found in the trunk area, often behind trim panels.

## 4.2. Removing the MULF/TCU Module

1. Carefully remove any trim panels or covers necessary to access the MULF/TCU module.
2. Disconnect all electrical connectors from the MULF/TCU module. Note their positions for potential future reference.
3. Remove the MULF/TCU module from its mounting bracket.

## 4.3. Connecting the Kufatec Adapter and Combox



**Figure 1:** The Kufatec Conversion Adapter. This image displays the adapter with its two main connectors, one black and one light blue, designed to interface with the vehicle's wiring and the new Combox unit.

1. Connect the appropriate end of the Kufatec Conversion Adapter to the vehicle's wiring harness that was previously connected to the MULF/TCU module. Ensure a firm and secure connection.
2. Connect the other end of the Kufatec Conversion Adapter to your new Combox unit.
3. Mount the Combox unit securely in the location where the MULF/TCU module was previously installed, or in a suitable alternative location.
4. **For Combox units with Telematics:** An additional FAKRA adapter may be required for full functionality. This adapter is not included and must be sourced separately. Consult Kufatec support or your Combox documentation for specific requirements.



**Figure 2:** Close-up view of the Kufatec Conversion Adapter connectors. This image provides a clearer view of the connector

types, highlighting the robust construction and precise fit for BMW vehicle systems.

## 4.4. Final Steps

1. Carefully re-install any trim panels or covers that were removed.
2. Reconnect the negative terminal of the vehicle's battery.
3. Turn on the ignition and test the new Combox system.

## 5. COMBOX FUNCTIONALITY (OPERATION)

Once the Combox is successfully installed with the Kufatec adapter, your BMW's infotainment system will gain access to several enhanced features. These features are inherent to the Combox unit itself and are enabled by its proper connection.

- **Bluetooth Audio:** Stream music wirelessly from your compatible smartphone or other Bluetooth-enabled devices to your vehicle's sound system.
- **Album Cover Display:** View album artwork on your iDrive screen when playing media via Bluetooth or USB (if supported by your Combox and iDrive version).
- **Office Menu:** Access features like calendar, tasks, and notes directly through your iDrive system (functionality may vary based on Combox model and iDrive version).
- **Internet:** Utilize in-car internet browsing capabilities (requires a compatible smartphone with Bluetooth tethering and an active data plan).
- **BMW Live:** Access various online services and apps provided by BMW (requires a compatible smartphone with Bluetooth tethering and an active data plan).

Refer to your BMW's iDrive manual and Combox documentation for detailed instructions on how to navigate and utilize these new features.

## 6. IMPORTANT NOTES AND COMPATIBILITY

- **iDrive (CIC) Software Update:** Depending on your vehicle's iDrive (Car Information Computer) system, a software update may be required to fully recognize and utilize the new Combox unit and its features. Consult a BMW specialist or authorized service center for software updates.
- **BMW Internet and BMW Live Services:** To use these services, a smartphone with Bluetooth tethering functionality is necessary. Ensure your mobile phone contract supports personal hotspot or tethering.
- **iPhone Compatibility:** For iPhone 3GS, 4, and 4S models, the "Personal Hotspot" function must be activated on the device and supported by your mobile carrier agreement to enable internet services.
- **Combox Telematics:** If your Combox unit includes telematics features, an additional FAKRA adapter might be necessary for full functionality. This is not included with the Kufatec adapter.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Combox not recognized by iDrive.	Loose connection, iDrive software outdated, Combox faulty.	Check all adapter connections. Ensure the Combox is properly seated. Consider an iDrive software update. Test Combox functionality with a known good unit if possible.
Bluetooth audio not working.	Phone not paired, Bluetooth disabled, Combox not fully initialized.	Ensure your phone's Bluetooth is on and paired with the Combox. Check Combox settings in iDrive. Restart iDrive system.
Internet/BMW Live services unavailable.	Smartphone tethering not active, no data plan, FAKRA adapter missing (for telematics).	Activate "Personal Hotspot" or Bluetooth tethering on your smartphone. Verify your mobile data plan. If your Combox has telematics, ensure the FAKRA adapter is installed.
No power to Combox.	Battery not reconnected, adapter not fully seated, blown fuse.	Verify vehicle battery is reconnected. Check adapter connections. Inspect relevant fuses in the vehicle's fuse box.








## 8. TECHNICAL SPECIFICATIONS

- **Product Name:** Kufatec Conversion Adapter
- **Model Number:** 39067
- **Brand:** Kufatec
- **Compatible Devices:** BMW MULF/TCU (source), BMW Combox (target)
- **Connector Type:** Specific BMW automotive connectors (DC power and data)
- **Number of Ports:** 2 (input from vehicle, output to Combox)
- **Specific Product Use:** Car audio and video conversion

## 9. WARRANTY AND SUPPORT

Kufatec products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided with your purchase or visit the official Kufatec website. For technical support, installation assistance, or inquiries regarding specific vehicle compatibility, please contact Kufatec customer service directly.

**Kufatec Official Website:** [www.kufatec.com](http://www.kufatec.com)

  <b>Installation Instructions</b> Complete set active Sound incl. Soundbooster BMW X5 E70 40149	<p><a href="#">KUFATEC Sound Booster Installation Instructions for BMW X5 E70</a></p> <p>Detailed installation guide for the KUFATEC Complete Set Active Sound incl. Soundbooster for BMW X5 E70. Covers safety, liability, and step-by-step assembly procedures for vehicle integration.</p>
  <b>Installation Instruction</b> FISTUNE DAB/DAB+ Integration 40149 40150 BMW E-Series/F-Series	<p><a href="#">KUFATEC FISTUNE DAB/DAB+ Integration for BMW E-Series/F-Series Installation Instructions</a></p> <p>Detailed installation and operation guide for the KUFATEC FISTUNE DAB/DAB+ integration module for BMW E-Series and F-Series vehicles, including article numbers 40149 and 40150. Covers safety, connection, coding, and usage.</p>
  <b>Installation Instructions</b> Complete Set Sensor-Operated Electrical Tailgate Opening 40149	<p><a href="#">KUFATEC Complete Set Sensor-Operated Electrical Tailgate Opening Installation Instructions</a></p> <p>Step-by-step installation guide for the KUFATEC Complete Set Sensor-Operated Electrical Tailgate Opening system. Covers component identification, cable routing overview, and assembly procedures for automotive applications.</p>
  <b>Installation Instructions</b> Complete Set Auto-Leveling Headlights 40149	<p><a href="#">KUFATEC Auto-Leveling Headlights Installation Instructions</a></p> <p>Comprehensive installation guide for the KUFATEC Complete Set Auto-Leveling Headlights, including component identification, cable routing, and coding procedures.</p>
  <b>Installation Instructions</b> Complete set active incl. sound booster 40149	<p><a href="#">Kufatec Sound Booster Installation Instructions</a></p> <p>Detailed installation guide for the Kufatec Sound Booster complete active set, covering assembly, wiring, configuration, and troubleshooting for automotive applications. Includes step-by-step instructions and technical notes.</p>
  <b>Installation Instruction</b> Adapter Bi-Xenon head lamps 2000 2000-1   VW Golf 7 Seat Leon 5F Skoda Octavia 5E	<p><a href="#">KUFATEC Adapter Bi-Xenon Headlamps Installation Instructions for VW Golf 7, Seat Leon 5F, Skoda Octavia 5E</a></p> <p>Detailed installation instructions for KUFATEC Bi-Xenon headlamp adapters, compatible with VW Golf 7, Seat Leon 5F, and Skoda Octavia 5E models. Includes product information, safety guidelines, and wiring diagrams.</p>

