

Generic FDF2 CANbus Decoder Adapter for Ford Car Stereo Android Radio - Instruction Manual

Model: FDF2

1. INTRODUCTION

This instruction manual provides detailed guidance for the installation, configuration, and operation of the Generic FDF2 CANbus Decoder Adapter. This device is designed to facilitate the connection between an aftermarket Android car stereo and the existing wiring harness of various Ford vehicles. It translates CANbus signals to provide essential control signals to the Android radio, enhancing integration and functionality.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any electrical installation to prevent short circuits and damage.
- Ensure all connections are secure and properly insulated to avoid electrical hazards.
- Refer to your vehicle's service manual for specific wiring diagrams and safety precautions.
- If you are unsure about any part of the installation process, seek assistance from a qualified automotive technician.
- Incorrect wiring can cause damage to the CANbus box, the Android radio, or the vehicle's electrical system.

3. PRODUCT OVERVIEW

The FDF2 CANbus Decoder Adapter is a compact module designed to integrate your Android car stereo with your Ford vehicle's CANbus system. It decodes vehicle data to provide the Android radio with critical signals.



Canbus for Ford Focus Edge Fiesta Kuga Everest Mondeo Ecosport Tourneo Trurus

Image 3.1: Multiple views of the FDF2 CANbus Decoder Adapter, highlighting its compatibility with various Ford models.

Key Features:

- **CAN to UART Conversion:** Translates CANbus data into UART signals for Android radio compatibility.
- **ACC ON/OFF Signal:** Provides ignition status to the radio.
- **Reverse Gear Signal:** Activates reverse camera or parking assistance features.
- **Light ON/OFF Signal:** Detects headlight status for display dimming.
- **Steering Wheel Button Control:** Enables control of the Android radio via existing steering wheel buttons.
- **Air Conditioning Information Data:** Integrates AC display (functionality may vary by vehicle configuration).
- **Radar Distance Data:** Provides parking sensor information (functionality may vary by vehicle configuration).
- **SYNC Function:** Supports SYNC system integration (functionality may vary by vehicle configuration).



Image 3.2: Top view of the FDF2 CANbus Decoder Adapter, showing the 'Raise' branding and part number '120-8010-00'.

4. SETUP AND INSTALLATION

Proper installation and configuration are critical for the correct functioning of the CANbus decoder. Follow these steps carefully.

4.1 Pre-Installation Check

- Before connecting, verify that the pin functions of your vehicle's harness plug match the pin functions of the CANbus box socket. Refer to the wiring diagrams of both your vehicle and the Android radio.
- Ensure the Android radio is compatible with external CANbus decoders.



Image 4.1: Close-up view of the multi-pin connector on the FDF2 CANbus Decoder Adapter, essential for wiring.

4.2 Hardware Connection

1. Disconnect the vehicle's negative battery terminal.
2. Connect the CANbus decoder adapter to the appropriate harness from your Android radio and the vehicle's wiring. Ensure all connections are firm and correct.
3. Mount the CANbus box securely in a safe location, away from heat and moisture.
4. Reconnect the vehicle's battery.



Image 4.2: Angled view of the FDF2 CANbus Decoder Adapter, showing both the connector and the top label for identification.

4.3 Software Configuration (Android Radio Settings)

After the physical connection, you must configure your Android radio to recognize and utilize the CANbus box.

1. Power on your Android radio.
2. Navigate to the "**Factory Settings**" menu on your Android radio. The exact path may vary depending on the radio manufacturer.
3. You will be prompted to enter a password. Try the following common passwords:**3368, 1617, 8317, 8888**. If none of these work, consult the manual provided with your Android radio or contact its manufacturer for the correct password.
4. Once in Factory Settings, locate the "**CANbus**" or "**CANbus Settings**" option.
5. Select the correct CANbus name and then choose your specific car model from the list. This step is crucial for proper signal decoding.
6. Confirm your selection and exit the settings menu. The Android radio should now be integrated with your vehicle's CANbus system.

Important Note: If your car model is not listed in the CANbus settings, you may need to contact the manufacturer of your Android radio to request a software update program that includes support for your specific vehicle. Different Android radio manufacturers may have varying setting methods for CANbus configuration.

5. OPERATING INSTRUCTIONS

Once correctly installed and configured, the FDF2 CANbus Decoder Adapter operates automatically in the background, providing the following functionalities to your Android radio:

- **Automatic Power Control (ACC):** The Android radio will power on and off with the vehicle's ignition.
- **Reverse Gear Detection:** When reverse gear is engaged, the radio will automatically switch to the reverse camera display (if connected) or activate parking assistance features.
- **Headlight Status:** The radio's display brightness may adjust automatically based on whether the vehicle's lights are on or off.
- **Steering Wheel Controls:** Use your vehicle's steering wheel buttons to control volume, track skipping, mode selection, and other functions on the Android radio.
- **Vehicle Information Display:** Depending on your vehicle's configuration and the Android radio's capabilities, air conditioning information and radar distance data may be displayed on the radio screen.
- **SYNC System Integration:** For vehicles equipped with Ford SYNC, the adapter may facilitate integration, allowing certain SYNC functions to be managed through the Android radio.

Note: The specific functions available and their behavior may vary depending on your vehicle's original configuration and the features supported by your Android radio.

6. MAINTENANCE

The FDF2 CANbus Decoder Adapter is designed for maintenance-free operation. To ensure its longevity and reliable performance:

- Keep the device dry and away from excessive heat or direct sunlight.
- Avoid exposing the device to strong vibrations or impacts.
- Do not attempt to open or modify the CANbus box, as this will void any potential warranty and may cause damage.

7. TROUBLESHOOTING

If you encounter issues after installing the FDF2 CANbus Decoder Adapter, consider the following troubleshooting steps:

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|--|--|--|
| No functions or incorrect functions (e.g., steering wheel controls not working, no reverse signal). | <ul style="list-style-type: none"> Incorrect CANbus settings on the Android radio. Incorrect wiring connections. Incompatible Android radio software. CANbus box damage due to incorrect wiring. | <ul style="list-style-type: none"> Re-enter the Android radio's "Factory Settings" and ensure the correct CANbus name and car model are selected (refer to Section 4.3). Double-check all wiring connections between the CANbus box, Android radio, and vehicle harness. Ensure pin functions match. If your car model is not listed, contact your Android radio manufacturer for a software update. If the CANbus box was damaged, it may need replacement. |
| Android radio does not power on or off with ignition (ACC signal issue). | <ul style="list-style-type: none"> ACC wire not connected or faulty. CANbus box not configured correctly. | <ul style="list-style-type: none"> Verify the ACC wire connection. Check CANbus settings as described in Section 4.3. |
| Air conditioning or radar data not displayed. | <ul style="list-style-type: none"> Vehicle configuration does not support data transmission. Android radio does not support displaying this data. CANbus box not configured correctly for these specific functions. | <ul style="list-style-type: none"> Confirm if your vehicle model originally provides this data via CANbus. Check your Android radio's specifications for support of these features. Review CANbus settings in the Android radio. |

8. SPECIFICATIONS

| Feature | Detail |
|-------------------------|------------------------|
| Model Name | FDF2 |
| Special Features | CAN to UART conversion |
| Item Weight | 45g |
| Item Size | 75mm x 45mm x 18mm |
| Voltage | 12V |
| Manufacturer | HUNTAN |

| Feature | Detail |
|-------------|-------------------------------------|
| Part Number | HUNTC6BA589B3F8035E00037EB46F70443B |

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided by your seller or contact the seller directly. Ensure you retain your proof of purchase for any warranty claims.

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