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CAMECHO A7284A2516KT

CAMECHO Android Car Stereo User Manual

Model: A7284A2516KT for BMW X3 E83 (2004-2010)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your CAMECHO Android Car Stereo. Please read this manual thoroughly before installation and use to ensure proper function and safety.

1.1 Product Overview

The CAMECHO Android Car Stereo features a 9-inch 2.5D capacitive touch screen with a 1024x600 pixel display. It operates on an Android system with 1GB RAM and 16GB ROM, offering GPS navigation, Bluetooth connectivity, FM radio, WiFi support, and mirror link functionality for both Android and iOS devices. It also supports a backup camera for enhanced safety.

1.2 Vehicle Compatibility

This car stereo is specifically designed for BMW X3 E83 models manufactured between 2004 and 2010.

Figure 1.1: CAMECHO Android Car Stereo and included components.

2. Package Contents

Verify that all items listed below are present in your package:

- 1 x Android Head Unit
- 1 x Radio Housing
- 1 x Backup Camera
- 1 x External Microphone
- 1 x Canbus
- 1 x GPS Antenna
- 1 x Installation Tool
- 1 x Instruction Manual (this document)
- 1 x Power Cable
- 1 x Camera Input Cable
- 1 x RCA Input and Output Cable
- 2 x USB Cables

Figure 2.1: Visual representation of all components included in the package.

3. Installation Guide

Professional installation is recommended. Ensure the vehicle's battery is disconnected before beginning installation to prevent electrical damage.

3.1 Pre-Installation Check

Before installing the new head unit, compare the original car stereo's dimensions and connectors with the new unit to ensure compatibility.

Figure 3.1: Visual comparison of the dashboard before and after the stereo installation.

3.2 Wiring Connections

Carefully connect all cables according to the provided wiring diagram. Ensure secure connections to prevent intermittent issues.

3.2.1 Main Power and CANBUS Connection

Connect the 8-pin power cable into the head unit's connector. Ensure the CANBUS box is properly connected to enable steering wheel controls and other vehicle-specific functions.

Figure 3.2: CANBUS and main power cable connection diagram.

Note:

After connecting the CANBUS, you must set the Protocol correctly for steering wheel controls to function. Navigate to **Car Settings** > **Factory Setting** (Password: 8888) > **Protocol settings**, then select "Audi + the year and model of your car."

3.2.2 Backup Camera Wiring

The reversing input must be connected even if the reversing camera is not used. Follow these steps for backup camera wiring:

1. Connect the positive pole of the camera's power supply to the car's reversing light positive.
2. Connect the negative pole of the camera's power supply to the car's reversing light negative.
3. The reversing trigger is controlled by the stereo and does not require a separate connection.

Figure 3.3: Backup camera wiring diagram.

After wiring, set the camera resolution via**Car Settings** > **Factory Settings** (Password: 8888) > **Protocol parameter settings** > **Reversing settings** > **Reverse video resolution** to "NTSC/PAL", then restart your car.

The white plug must be connected to the main device; otherwise, Bluetooth and WiFi signals may not function correctly.

4. Operating Instructions

4.1 GPS Navigation

The unit includes a built-in GPS module supporting both offline and online navigation applications. Connect to WiFi to download preferred map applications like Waze, Navfree, or Yandex Map from the Play Store.

Figure 4.1: GPS navigation interface and available applications.

4.2 WiFi Connection

Connect the stereo to a WiFi network or mobile hotspot to access online features, download apps, and stream media.

Figure 4.2: WiFi connectivity for online services.

4.3 Bluetooth Functionality

Pair your mobile phone via Bluetooth for hands-free calling and audio streaming. This feature enhances driving safety by allowing you to manage calls and music without handling your phone.

- **Hands-Free Calling:** Make and receive calls directly from the stereo interface.
- **Audio Streaming:** Play music from your phone through the car's speakers.

Figure 4.3: Bluetooth interface for calls and music.

4.4 FM Radio

Tune into your favorite FM radio stations. The unit provides clear radio signal reception for an enjoyable listening experience.

Figure 4.4: FM radio tuner interface.

4.5 Mirror Link Functionality

Mirror Link allows you to display your smartphone's screen content (videos, music, navigation) directly on the car stereo's touch screen.

4.5.1 For iOS Phones (Wireless)

1. Turn on your iPhone's personal hotspot.
2. Connect the car radio to your iPhone's hotspot via WiFi.
3. On the car unit, open the "phonelink" app. Follow the on-screen indications.
4. On your iPhone, enter the AirPlay function and select this car radio to start mirroring.

4.5.2 For Android Phones (USB/WiFi)

1. Open the "phonelink" app on the car unit and scan the QR code to download the companion app on your Android phone.
2. Connect via USB cable or WiFi as prompted by the app.
3. If using USB, ensure "USB debugging" is enabled in your phone's developer options, and set the USB configuration to data transmission.

Figure 4.5: Mirror Link in operation, displaying phone content on the stereo.

Figure 4.6: Step-by-step guide for Mirror Link setup.

4.6 Backup Camera Display

The included 12-LED backup camera with night vision and IP68 waterproof rating provides clear visibility when reversing. The display automatically switches to the camera feed when the vehicle is in reverse gear.

Figure 4.7: Backup camera view with parking assistance.

4.7 Steering Wheel Control

After proper CANBUS connection and protocol settings (refer to Section 3.2.1), the unit supports your vehicle's original steering wheel controls. This allows for convenient operation of volume, track changes, and other functions without taking your hands off the wheel.

Figure 4.8: Steering wheel control interface.

4.8 Equalizer Settings

Adjust audio output with the built-in equalizer. Customize sound profiles (e.g., Pop, Rock, Jazz) or create a custom setting to match your preferences.

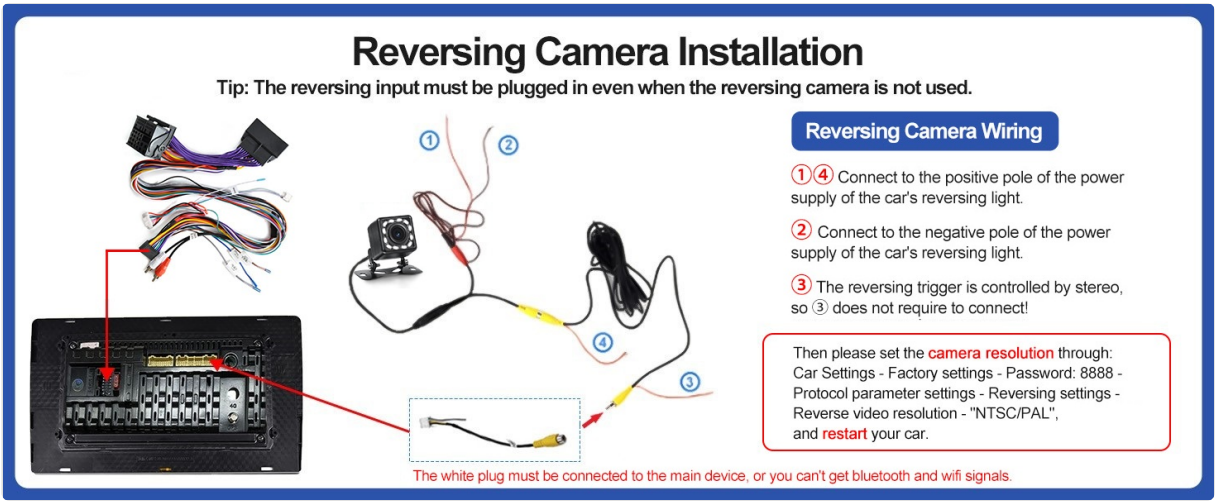


Figure 4.9: Audio equalizer settings.

4.9 Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously, such as navigation on one side and music playback on the other.

Figure 4.10: Split screen mode displaying navigation and music.

5. Specifications

Feature	Detail
Product Dimensions	12.6 x 8.66 x 5.7 inches
Item Weight	3.98 pounds
Model Number	A7284A2516KT
Screen Size	9 Inches
Resolution	1024 x 600
Operating System	Android
Special Feature	Touchscreen
Connectivity Technology	Bluetooth, WiFi

Map Type	Worldwide (supports online/offline apps)
Audio Output Mode	Stereo
Vehicle Service Type	Car (BMW X3 E83 2004-2010)

6. Troubleshooting

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

- **Unit does not power on:**
  - Check all power cable connections. Ensure the main power cable is securely plugged into the head unit and the vehicle's power source.
  - Verify the vehicle's fuse related to the stereo is intact.
- **No sound:**
  - Check speaker wire connections.
  - Ensure the volume is not muted or set too low.
  - Verify audio output settings in the system menu.
- **Steering wheel controls not working:**
  - Confirm the CANBUS box is correctly connected.
  - Go to **Car Settings** > **Factory Setting** (Password: 8888) > **Protocol settings** and ensure the correct vehicle model and year are selected.
- **GPS signal issues or inaccurate navigation:**
  - Ensure the GPS antenna is properly installed and has a clear view of the sky (e.g., on the dashboard).
  - Verify that location services are enabled in the unit's settings.
  - Update map data if using offline maps.
- **Bluetooth connection problems:**
  - Ensure Bluetooth is enabled on both the stereo and your mobile device.
  - Delete previous pairings and attempt to re-pair the devices.
  - Confirm the white plug for the camera input is connected to the main device, as it affects Bluetooth/WiFi signals.
- **Mirror Link not functioning:**
  - For iOS: Ensure iPhone hotspot is active and the stereo is connected to it. Verify AirPlay is used.
  - For Android: Check USB debugging and data transmission settings if using a wired connection. Ensure the companion app is installed and updated.
  - Confirm the white plug for the camera input is connected to the main device, as it affects Bluetooth/WiFi signals.
- **Backup camera display issues:**
  - Check all camera wiring connections, especially to the reversing light.
  - Verify camera resolution settings in **Car Settings** > **Factory Settings** > **Protocol parameter settings** > **Reversing settings**.

- Ensure the vehicle is in reverse gear.

7. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touch screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Software Updates:** Periodically check for system software updates via the unit's settings menu (requires WiFi connection) to ensure optimal performance and access to new features.
- **Cable Connections:** Occasionally check all visible cable connections for looseness or damage.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.

8. Warranty and Support

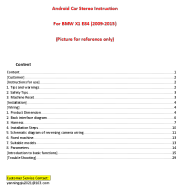
For warranty information, please refer to the documentation provided with your purchase or contact CAMECHO customer service directly. Keep your purchase receipt as proof of purchase.

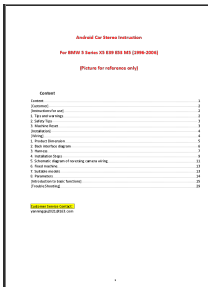
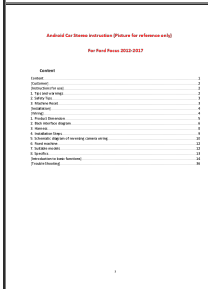
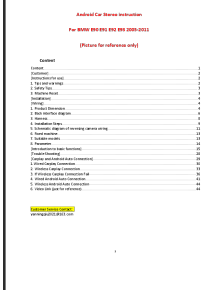
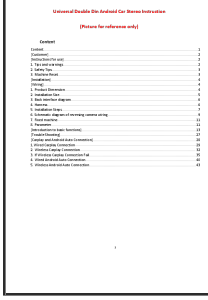
For technical support or further assistance, please visit the official CAMECHO website or contact their customer support channels.

Manufacturer: CAMECHO

Model Number: A7284A2516KT

Related Documents - A7284A2516KT

	Android 7 Inch Flip Out Touch Screen Radio User Manual and Wiring Guide This document provides a comprehensive user manual and wiring diagram instructions for the Android 7 Inch Flip Out Touch Screen Radio. It covers basic operation, settings, application usage for navigation, radio, video, music, and Bluetooth, along with camera wiring and troubleshooting.
	CAMECHO Android Car Stereo for BMW X1 E84 (2009-2015) User Manual Comprehensive user manual for the CAMECHO Android Car Stereo system designed for BMW X1 E84 (2009-2015). Covers installation, wiring, features, settings, and troubleshooting.

	[Android Car Stereo Instruction Manual for BMW 5 Series X5 E39 E53 M5 (1996-2006)] Comprehensive instruction manual for the Android car stereo designed for BMW 5 Series, X5 E39, E53, and M5 models from 1996-2006. Covers installation, wiring, basic functions, parameters, and troubleshooting.
	[Ford Focus 2012-2017 Android Car Stereo User Manual] Comprehensive user manual for the Android 10.1 car stereo designed for Ford Focus models 2012-2017, covering installation, features, settings, and troubleshooting.
	[Android Car Stereo User Manual for BMW E90-E93 (2005-2011)] This user manual provides comprehensive instructions for installing and operating an Android car stereo system designed for BMW 3 Series models (E90, E91, E92, E93) from 2005 to 2011. It covers installation steps, wiring diagrams, product dimensions, safety guidelines, basic functions, troubleshooting, and connectivity options like Apple CarPlay and Android Auto.
	[CAMECHO Universal Double Din Android Car Stereo User Manual & Installation Guide] This user manual provides comprehensive instructions for installing and operating the CAMECHO Universal Double Din Android Car Stereo. It covers safety guidelines, wiring diagrams, connectivity features like Carplay and Android Auto, basic functions, and troubleshooting tips.