ZTUZAUTO ZT-VLV-15-TP

ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit User Manual

Model: ZT-VLV-15-TP

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your experience.

Image 1.1: ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit main unit and an example of the system integrated into a car dashboard.

2. COMPATIBLE MODELS

This retrofit kit is designed for specific Volvo models and years. Please verify your vehicle's compatibility before proceeding with installation.

- **System:** Volvo
- **Models:** Volvo V40, V60, XC60, S60L, S80
- **Year:** After 2015 (2015-2019)
- **Screen Size:** 7 inches

Image 2.1: Visual guide for compatible Volvo models and screen type. Ensure your car's central control matches the image.

3. PACKAGE CONTENTS

Before installation, ensure all components listed below are present in your package:

- Main Control Unit (ZTUZAUTO box)
- Power Cable
- WiFi Antenna
- LVDS Cable
- TO TP Cable
- TP Board (Touchpad)
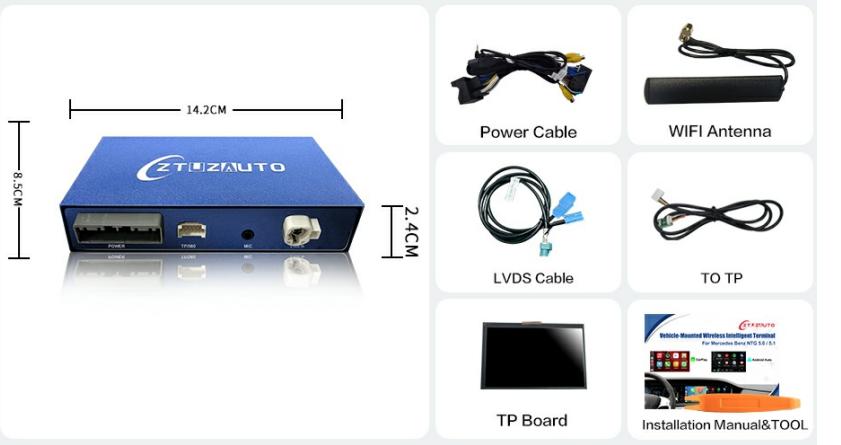- Installation Manual & Tool

Image 3.1: Contents of the ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit package.

4. INSTALLATION GUIDE

The ZTUZAUTO retrofit kit is designed for plug-and-play installation, utilizing original car wiring without requiring cutting or breaking wires. It integrates with your existing factory screen.

4.1. Precautions Before Installation

- Confirm your car's model and year are compatible as per Section 2.
- Refer to the provided wiring diagram and dial code in the included manual to match your specific car model.
- After installation, confirm all module functions operate correctly before reassembling the dashboard to avoid inconvenience.

4.2. Wiring and Connections

The installation involves connecting the module to the existing wiring harness behind your car's central display. The process typically involves disconnecting the original harness and inserting the module's cables in between.

Image 4.1: Illustration of the plug-and-play wiring connections. No wire cutting is required.

4.3. Touchpad Installation (Optional)

The kit includes a touchpad (TP Board) which can be installed to enable touch capability on your screen. This is an optional step for enhanced interaction.

Image 4.2: The optional touchpad component for enabling touch functionality.

5. OPERATING INSTRUCTIONS

5.1. Switching Between Systems

To switch from your car's original system to the Carplay/Android Auto interface, press and hold the "MEDIA" or "NAV" button on your central control panel for approximately 2 seconds.

Image 5.1: How to switch between the original car system and the Carplay/Android Auto interface.

5.2. Wireless Connection (CarPlay & Android Auto)

The kit supports both wireless Apple CarPlay and wireless Android Auto. Connect your smartphone via Wi-Fi and Bluetooth to access these features.

1. Enable Wi-Fi and Bluetooth on your smartphone.
2. Pair your smartphone with the ZTUZAUTO module via Bluetooth.
3. Once paired, the system will automatically establish a wireless CarPlay or Android Auto connection.

Image 5.2: Steps for establishing a wireless connection for CarPlay or Android Auto.

5.3. Key Features and Applications

The system provides access to various smartphone functions and applications directly on your car's display, including navigation, phone contacts, music, and messaging.

- **Wireless/Wired Apple CarPlay:** Access iOS apps, navigation, music, and communication.
- **Wireless/Wired Android Auto:** Access Android apps, navigation, music, and communication.
- **Wireless Mirror Link:** Mirror your smartphone screen to the car display (Airplay for iOS, AutoLink for Android).
- **Supported Apps:** Enjoy apps like Spotify, Google Maps, YouTube, WhatsApp, and more.

Image 5.3: Examples of supported applications and features within the system.
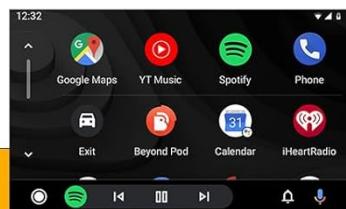
Image 5.4: Overview of Wireless CarPlay, Android Auto, and Mirror Link capabilities.

Image 5.5: The system supports a wide range of applications for an enhanced driving experience.

Image 5.6: Detailed view of core functions: Music playback, message handling, navigation, and phone calls.

5.4. Retaining Original Car Functions

The retrofit kit allows you to retain full functionality of your original car controls, including steering wheel buttons and the central control panel.

- **Steering Wheel Buttons:** Control volume, track skipping, and voice awakening.
- **Central Control Panel:** Use original buttons for navigation and media control. Long press "MEDIA" or "NAV" to switch to Carplay.

Image 5.7: How original car controls integrate with the new system.

5.5. Intelligent Voice Control

Utilize voice assistants like Siri (for CarPlay) or Google Assistant (for Android Auto) for hands-free operation, including navigation, calls, and music playback.

- **Siri (CarPlay):** Activate with "Hey Siri" or the voice awakening button.
- **Google Assistant (Android Auto):** Activate with "Hey Google" or the voice awakening button.

Image 5.8: Using intelligent voice control with Siri and Google Assistant.

5.6. Camera and Parking Radar Support

The system supports your factory reverse/front/360 camera and parking radar. It also supports aftermarket reverse/front/360 cameras (AHD 720P / 1080P) and front view camera DVRs with dynamic guidance lines.

- When reversing, the camera will activate automatically.
- For original backup cameras, select "Factory Camera" in the settings.
- For aftermarket cameras, ensure proper wiring:
  - **Automatic Transmission:** Connect reverse camera wiring.
  - **Manual Transmission:** Connect reversing detection line to the car taillight 12V power supply.

6. SOUND CONFIGURATION

To ensure audio output from the Carplay/Android Auto system, your car's AUX input must be correctly configured.

Method 1: Setting AUX via Multimedia Interface

1. Disconnect Bluetooth between your phone and your car's original system.
2. Enter the car's "Multimedia" interface.
3. Select "AUX".

Method 2: Adjusting Settings via Factory Mode

1. Access the Settings interface, then navigate to "Factory Mode".
2. Go to "Phone Link setting" and select the option "Disable phone link audio".
3. Reboot the system.
4. Pair your smartphone with the original vehicle's Bluetooth.
5. Select the original car Bluetooth for both phone and music sound sources in the original car media settings.

Image 6.1: Instructions for configuring AUX audio output.

7. MAINTENANCE

To ensure the longevity and optimal performance of your ZTUZAUTO retrofit kit, follow these general maintenance guidelines:

- Keep the unit and connections free from dust and moisture.
- Avoid exposing the unit to extreme temperatures.
- Do not attempt to open or modify the main control unit, as this may void the warranty.
- Regularly check for firmware updates (if available) from the manufacturer's official channels to ensure compatibility and performance.

8. TROUBLESHOOTING

If you encounter issues with your ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Carplay/Android Auto not working or screen is black.	- Ensure the module is correctly installed and all cables are securely connected. - Verify that you have pressed and held the "MEDIA" or "NAV" button for 2 seconds to switch to the Carplay/Android Auto interface. - Check your phone's Wi-Fi and Bluetooth connection to the module. - Restart your phone and the car's infotainment system.
No sound from Carplay/Android Auto.	- Ensure your car's audio input is set to "AUX" (refer to Section 6). - Verify your phone's Bluetooth is connected to the car's original system for audio output. - Check the volume levels on both your phone and the car's system.
Touchpad not responding.	- Ensure the TP Board and its cable are correctly installed and connected. - Verify that the touchpad functionality is enabled in the system settings (if applicable).

Problem	Possible Cause / Solution
Intermittent connection issues.	- Ensure your phone's Wi-Fi and Bluetooth are stable. - Avoid placing other wireless devices near the module that might cause interference. - Try forgetting the Bluetooth connection on your phone and re-pairing.

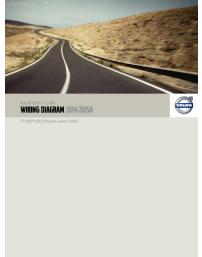If these steps do not resolve the issue, please contact ZTUZAUTO customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail
Model Number	ZT-VLV-15-TP
Brand	ZTUZAUTO
Connectivity Technology	Wi-Fi, Bluetooth
Controller Type	iOS, Android (via Carplay/Android Auto)
Special Feature	Built-In Bluetooth
Compatible Devices	Smartphone, Car Speakers
Total HDMI Ports	1
Connector Type	3.5mm Jack, USB, Ethernet
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Item Weight	2.53 pounds
Color	Blue (Main Unit)

10. WARRANTY AND SUPPORT

The ZTUZAUTO Wireless Carplay Android Auto Retrofit Kit comes with a **1-Year Warranty** from the date of purchase. For any questions, technical assistance, or warranty claims, please contact ZTUZAUTO customer support. Technical support is typically provided within 24 hours.

Please refer to your purchase documentation or the ZTUZAUTO official website for specific contact information.

Related Documents - ZT-VLV-15-TP

	[ZTUZAUTO Wireless Intelligent Terminal for Volvo S60L, S80, V40, XC60, V60 (After 2015)](#) Enhance your Volvo's infotainment system with the ZTUZAUTO Wireless Intelligent Terminal, offering seamless integration of Apple CarPlay, Android Auto, and screen mirroring for compatible Volvo models (S60L, S80, V40, XC60, V60) manufactured after 2015. Includes detailed specifications, installation guides, operational instructions, and troubleshooting tips.
	[ZTUZAUTO Wireless Intelligent Terminal for Audi A1/Q3 (2G RMC): Installation and User Guide](#) A comprehensive guide for installing and using the ZTUZAUTO Wireless Intelligent Terminal in Audi A1 and Q3 vehicles (2G RMC Version). This document covers setup, specifications, connection diagrams, operating instructions for CarPlay, Android Auto, Mirroring, sound configuration, and troubleshooting FAQs.
	[ZTUZAUTO MMI 3G Wireless CarPlay & Android Auto Interface for Audi A1/Q3/A4/A5/Q5/A6/Q7](#) Enhance your Audi MMI 3G system with ZTUZAUTO's wireless CarPlay and Android Auto integration. This guide details the installation, setup, features, and troubleshooting for upgrading your Audi's infotainment system to support seamless smartphone connectivity, navigation, music, and more.
	[IU2507-01 Full Android System User Manual for Wireless CarPlay and Android Auto](#) User manual for the IU2507-01, a full Android system device that expands car infotainment capabilities, enabling wireless CarPlay and Android Auto, app installation, navigation, and multimedia functions.
	[Volvo S60/V60 Wiring Diagram 2014/2015A](#) Comprehensive wiring diagram for Volvo S60 (2011 onwards) and V60 models, covering the 2014/2015A period. This document details electrical systems, components, and their connections, essential for diagnostics and repair.