

VECHTEL A7278A3476NA59

VECHTEL Car Radio User Manual for Toyota Corolla (2009-2013)

Model: A7278A3476NA59

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VECHTEL Car Radio. This unit is specifically designed for Toyota Corolla models manufactured between 2009 and 2013. It features an Android 13 operating system, a 9-inch IPS touch screen, wireless CarPlay and Android Auto, Bluetooth 5.0, GPS navigation, Wi-Fi connectivity, Steering Wheel Control (SWC) support, Digital Sound Processor (DSP), and includes a backup camera. Please read this manual thoroughly before installation and use to ensure proper functionality and to maximize your driving experience.



Image 1.1: VECHTEL Car Radio installed in a Toyota Corolla dashboard.

2. COMPATIBILITY CHECK

This car radio is compatible with Toyota Corolla models from 2009 to 2013. It is crucial to verify your vehicle's central control panel matches the compatible configurations shown in Figure A below. If your vehicle's central control panel resembles Figure B, this unit is not suitable. In such cases, please contact customer support for assistance.



Image 2.1: Compatible (A) and incompatible (B) central control panel configurations for Toyota Corolla 2009-2013.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x Car Radio Unit
- 1 x Power Cable
- 1 x GPS Antenna
- 1 x Rear Camera
- 1 x Rear Camera Input Cable
- 1 x RCA Cable
- 2 x USB Cables
- 1 x External Microphone
- 1 x Installation Tool Set
- 1 x Instruction Manual



Image 3.1: Overview of the package contents and main unit dimensions.

4. SETUP AND INSTALLATION

Professional installation is recommended. Ensure the vehicle's power is disconnected before beginning installation.

4.1. Wiring Connections

Connect the power cable, GPS antenna, USB cables, RCA cables, external microphone, and rear camera input cable to their respective ports on the car radio unit. Refer to the wiring diagram provided in the included instruction manual for specific connections.

4.2. Steering Wheel Control (SWC) Wiring

If your vehicle's original steering wheel controls are not functioning correctly after installation, follow these steps:

1. Locate the two wires circled in the image below.
2. Carefully cut these two wires.
3. Insulate the cut ends with electrical tape.
4. Test the steering wheel controls again.

If you are unsure about performing this operation, please contact customer service for assistance.

PLEASE NOTE



If the original **car steering wheel** controls are not working properly, please cut the two wires circled in the image and wrap them with electrical tape.

Then, test the steering wheel controls again to see if they function correctly. If you are unsure how to perform this operation, please contact our customer service for assistance.

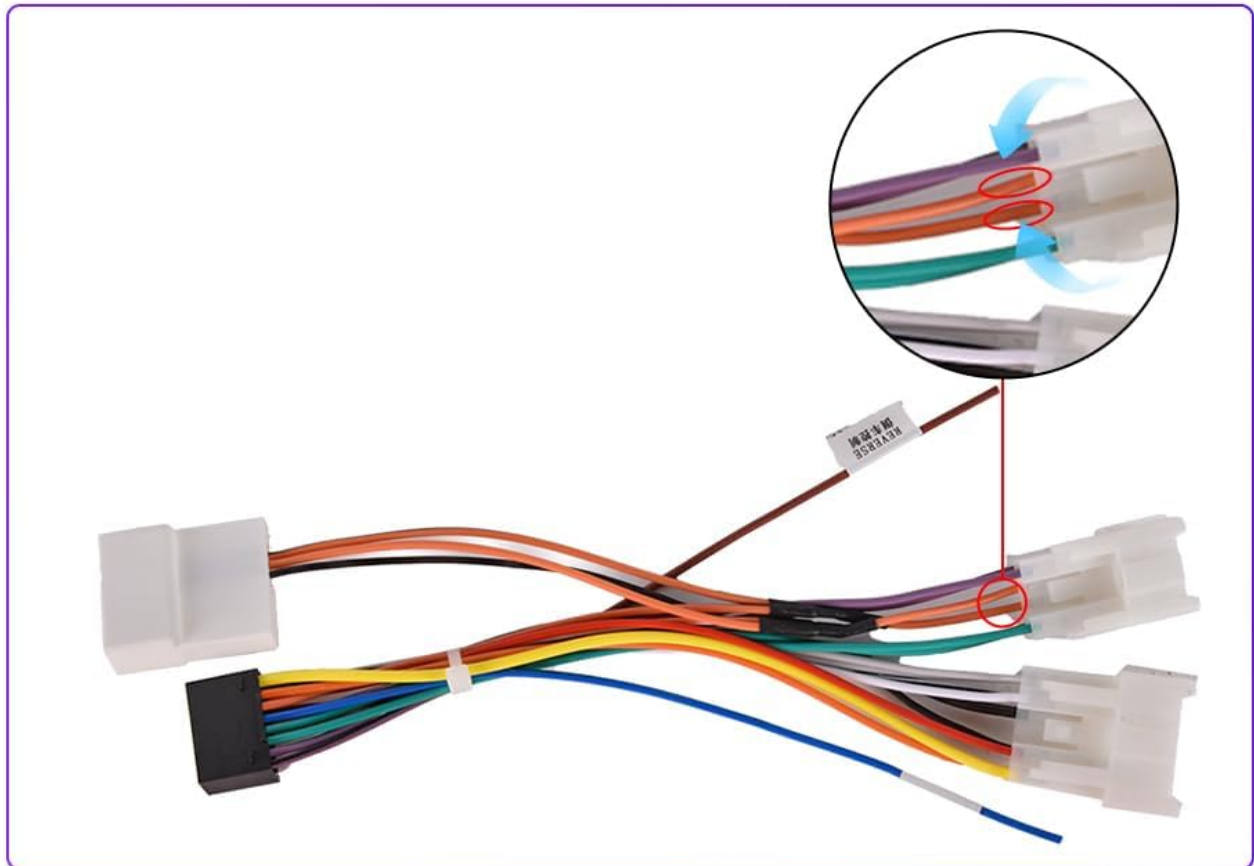


Image 4.1: Wiring modification for Steering Wheel Control troubleshooting.

5. OPERATING INSTRUCTIONS

5.1. Wireless CarPlay and Android Auto

The unit supports both wireless and wired connections for Apple CarPlay and Android Auto. This feature allows seamless integration of your smartphone for navigation, calls, messages, and music playback. Access these functions directly from the touch screen.

Carplay / Android Auto / Mirror Link



Android/iOS System

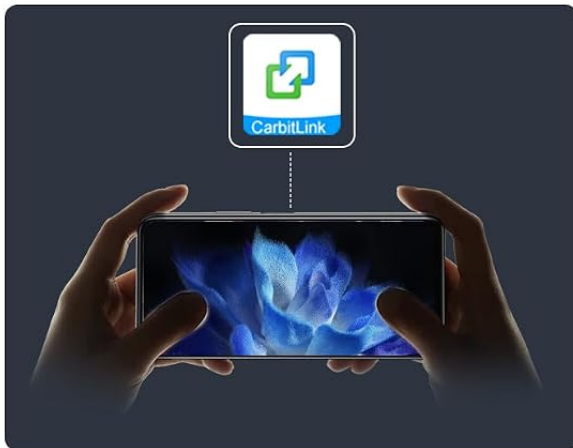


Image 5.1: Wireless CarPlay and Android Auto interface.

5.2. Voice Control

Utilize voice commands through Siri (for CarPlay) or Google Assistant (for Android Auto) to control various functions, such as making calls, sending messages, playing music, and getting directions, enhancing driving safety and convenience.

5.3. GPS Navigation

The unit supports both online and offline navigation maps. Connect to Wi-Fi for real-time traffic updates and online map services. Offline maps can be downloaded for use without an internet connection.



Wifi Connction



Image 5.2: GPS Navigation and Wi-Fi connectivity.

5.4. Wi-Fi Connectivity

Connect the car radio to a Wi-Fi hotspot to access online features, download apps, and update software. The unit supports various applications to enrich your in-car experience.

5.5. Bluetooth 5.0

Pair your smartphone via Bluetooth 5.0 for hands-free calling and wireless audio streaming. The advanced Bluetooth version ensures stable and high-quality connections.



Image 5.3: Bluetooth 5.0, FM/RDS Radio, Steering Wheel Control, and HD Reverse Camera features.

5.6. FM/RDS Radio

Tune into your favorite FM radio stations. The RDS (Radio Data System) feature displays station information, song titles, and other relevant data where available.

5.7. Mirror Link

The Mirror Link function allows you to display your smartphone's screen directly onto the car radio's display, supporting both iOS and Android devices.

5.8. Steering Wheel Control (SWC)

After proper wiring and configuration (refer to Section 4.2), you can control essential functions like volume adjustment and track skipping directly from your vehicle's steering wheel buttons.

To configure SWC: Go to **Settings > Factory Settings > Steering Wheel Control Learning** and follow the on-screen instructions.

5.9. Rear Camera Functionality

The included waterproof night vision camera provides clear reversing images. It automatically activates when the vehicle is shifted into reverse gear, offering parking assistance. Guide lines can be enabled or disabled via **Car Info > About > Custom Set** > turn on/off "show dynamic trackline" and "show static trackline".

5.10. Display Features

The 9-inch IPS HD touchscreen offers a 1280x720 resolution and a 178° wide viewing angle. It supports split-screen display, allowing you to run two applications simultaneously. Customize your interface with various UI themes.

IPS HD Screen



Image 5.4: IPS HD Screen features.

5.11. DSP with 32-band EQ

The integrated Digital Sound Processor (DSP) with a 32-band equalizer allows for precise audio tuning, enabling you to customize the sound output to your preferences for an optimized listening experience.

6. TROUBLESHOOTING

6.1. Steering Wheel Controls Not Working

If your steering wheel controls are not responding, first ensure all wiring connections are correct. If the issue persists, refer to Section 4.2 for specific wiring adjustments that may be required.

6.2. Rear Camera Not Displaying Image

Verify that the rear camera and its input cable are securely connected. Check the settings under**Car Info > About > Custom Set** to ensure the camera display options are correctly configured. If the problem continues, inspect the camera's power supply and signal integrity.

6.3. General Performance Issues

For slow operation or app crashes, try restarting the unit. Ensure the system software is up to date. If problems persist, a factory reset may resolve the issue (note: this will erase all user data and settings).

7. SPECIFICATIONS

Feature	Specification
Brand	VECHTEL
Model Number	A7278A3476NA59
Operating System	Android 13
CPU	8 Core
RAM	2GB
ROM	64GB
Screen Size	9 inches
Display Type	IPS HD Touch Screen
Resolution	1280 x 720
Connectivity	Bluetooth 5.0, Wi-Fi, USB
Special Features	Wireless CarPlay, Wireless Android Auto, GPS Navigation, Mirror Link, FM/RDS Radio, DSP (32-band EQ), Steering Wheel Control, Backup Camera Support
Compatible Devices	iOS/Android phones

8. WARRANTY AND SUPPORT

For any issues, including compatibility problems or technical assistance, please contact VECHTEL customer support directly through Amazon. Navigate to the product page, click on 'Sold by VECHTEL', and then select 'Ask a question'. Our support team can assist with troubleshooting, wiring harness inquiries, and general product support. Please retain your proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question