EZoneTronics Carplay Retrofit Kit for Toyota

EZoneTronics Wireless CarPlay & Android Auto Retrofit Kit

USER MANUAL

Model: Carplay Retrofit Kit for Toyota

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EZoneTronics Wireless CarPlay and Android Auto Retrofit Kit. This device is designed to integrate advanced smartphone connectivity into your compatible Toyota vehicle's existing infotainment system. It functions as a decoder box, enabling Wireless CarPlay and Android Auto features without replacing your original car screen.

Please read this manual thoroughly before installation and use to ensure proper functionality and to avoid any damage to the product or your vehicle.

2. SAFETY INFORMATION

- Ensure the vehicle's ignition is off and the battery is disconnected before beginning any installation work to prevent electrical shorts or damage.
- If you are unsure about any step of the installation process, consult a qualified automotive technician.
- Do not attempt to modify the product or its components. Unauthorized modifications may void the warranty and pose safety risks.
- Always drive responsibly. Do not operate your smartphone or the infotainment system in a way that distracts you from the road.

3. PACKAGE CONTENTS

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

- 1 x EZoneTronics Wireless Carplay Retrofit Kit for Toyota
- 1 x Power Harness
- 1 x USB Cable
- 1 x WIFI Antenna
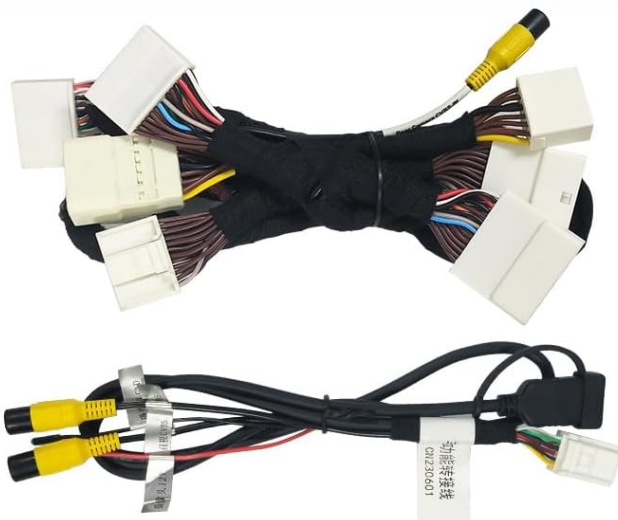
Product Information

Product Size:
128*84*25mm

Applicable Model:
For Toyota

Main Function: CarPlay & Android Auto

Phone OS System Suitable: IOS & Android

Brand Box:

Power cable

USB Video Cable

Image: Product Information and Included Cables. This image displays the main retrofit kit unit, its dimensions, and the included power and USB video cables.

4. COMPATIBILITY

This EZoneTronics Retrofit Kit is designed for specific Toyota vehicles equipped with the **Entune 2.0** or **Touch 2 System** (must be Panasonic/Fujitsu/Pioneer head units). **It does NOT support vehicles with a factory navigation system.** Before installation, it is recommended to provide a picture of your vehicle's central control screen to EZoneTronics support to confirm compatibility.

Compatible Toyota Models (2014-2019):

Compatible Model List

Brand: Toyota	System: Touch2 & Entune2.0	Screen: 6"/7"/8
Model	2014-2019 Toyota Corolla 2014-2019 Toyota Tacoma 2014-2019 Toyota Avensis 2014-2019 Toyota Tundra 2014-2019 Toyota Auris 2014-2018 Toyota Yaris 2014-2017 Toyota Camry 2017-2019 Toyota 86 2015-2018 Toyota Avalon 2018 Toyota C-HR 2016-2019 Toyota Prius c 2014-2019 Toyota Verso	2016-2017 Toyota Prius v 2014-2019 Toyota Verso s 2014-2019 Toyota Sequoia 2015-2017 Toyota Alphard 2015-2017 Toyota Sienna 2014-2019 Toyota Land Cruiser 2014-2019 Toyota 4Runner 2014-2019 Toyota Land Cruiser Prado 2014-2019 Toyota Highlander 2016-2019 Toyota Prius 2014-2018 Toyota RAV4

Support Original Car Button Control & Touch Screen Control

Image: Compatible Model List. This image provides a detailed list of Toyota models and years compatible with the retrofit kit, specifically those with Touch2 & Entune2.0 systems and 6"/7"/8" screens.

- Toyota Corolla (2014-2019)
- Toyota Tacoma (2014-2019)
- Toyota Tundra (2014-2019)
- Toyota Yaris (2014-2018)
- Toyota Camry (2014-2017)
- Toyota 86 (2017-2019)
- Toyota Avalon (2015-2018)
- Toyota C-HR (2018)
- Toyota Prius c (2016-2019)
- Toyota Verso (2014-2019)
- Toyota Prius v (2016-2017)
- Toyota Verso s (2014-2019)
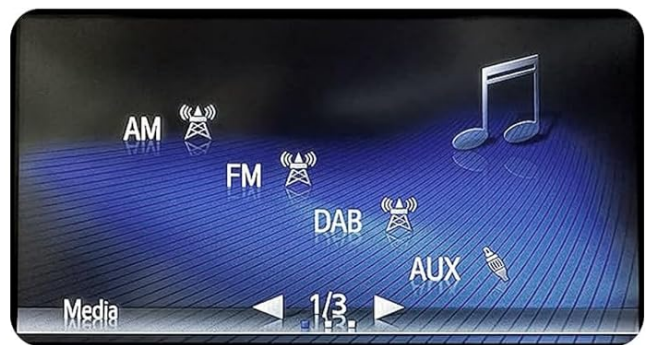- Toyota Sequoia (2014-2019)
- Toyota Alphard (2015-2017)

- Toyota Sienna (2014-2019)
- Toyota Land Cruiser (2014-2019)
- Toyota 4Runner (2014-2019)
- Toyota Land Cruiser Prado (2014-2019)
- Toyota Highlander (2014-2019)
- Toyota Prius (2016-2019)
- Toyota RAV4 (2014-2018)

Image: Compatible with Touch2 & Entune2.0 System Hosts. This image illustrates the appearance of the Entune 2.0 and Touch 2 systems, which are compatible with the retrofit kit.
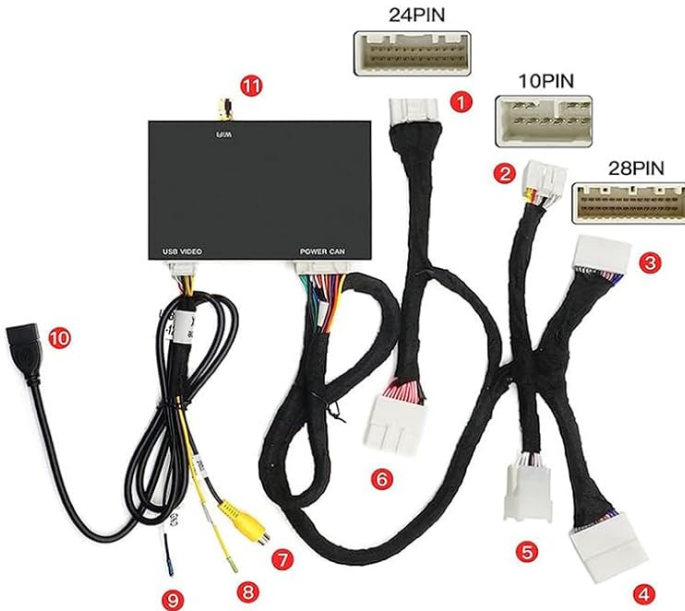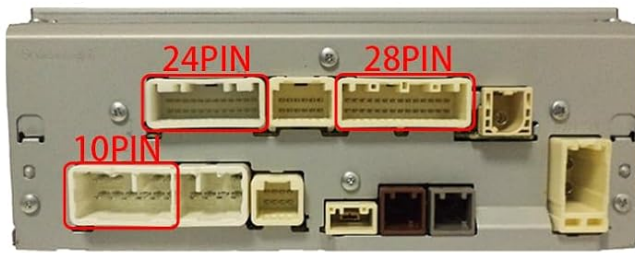
5. SETUP AND INSTALLATION

The EZoneTronics Retrofit Kit features a plug-and-play design for a non-destructive installation. No wire cutting or modifications are required. Follow these steps carefully:

1. **Preparation:** Ensure your vehicle's ignition is off and the battery is disconnected before beginning any installation work to prevent electrical shorts or damage. Carefully remove the vehicle's central control unit/head unit from the

dashboard. Refer to your vehicle's specific service manual for instructions on safely removing the head unit.

2. **Connect Main Unit 24-PIN:** Connect the provided power harness to the original car's main unit 24-PIN connector.

3. **Connect Main Unit 10-PIN:** Connect the power harness to the original car's main unit 10-PIN connector.

4. **Connect Car's Plug 28-PIN:** Connect the power harness to the original car's 28-PIN plug.

5. **Connect Car's Plug 10-PIN:** Connect the power harness to the original car's 10-PIN plug.

6. **Connect Car's Plug 24-PIN:** Connect the power harness to the original car's 24-PIN plug.

7. **Forward Looking Input:** If installing a front camera, connect it to the designated forward looking input on the harness.

8. **Camera Power Supply:** Connect the camera power supply as indicated on the harness.

9. **GND (Ground):** Ensure the ground wire is securely connected.

10. **USB Cable:** Connect the provided USB cable to the retrofit kit and route it to an accessible location for future use (e.g., for wired CarPlay/Android Auto or USB media).

11. **WIFI Antenna:** Connect the WIFI antenna to the retrofit kit for wireless connectivity. Position it in a location that ensures optimal signal reception.

12. **Secure Components:** Once all connections are made, secure the retrofit kit and excess wiring to prevent rattling or interference. Reinstall the vehicle's head unit and dashboard components.

13. **Initial Setup:** After re-connecting the battery, start the vehicle. You may need to disable your car's default Bluetooth connection to ensure your phone connects directly to the CarPlay/Android Auto box.
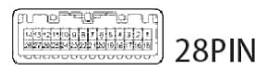
Easy Installation

10PIN

Pin Num	A1	A2	A3	A4	A5	A6	A7	A10
W/C w/amp	R	B	GR	W	G	W	W-B	G
W/C w/o amp	LA-R	LA-B			LA-G	LA-W		
Signal	FR+	FL+	ACC1	+B1	FR-	FL-	GND1	ILL+
details	Sound signal (Right)	Sound signal (Left)	Power source (ACC)	Power source (+B)	Sound signal (Right)	Sound signal (Left)	Ground	Illumination signal

24PIN

Pin Num	3	4	11	12	23
W/C	B	W	B	R	
Signal	CNH1	CNH1	CA+	V+	shield
details	Local bus communication signal	Local bus communication signal	Power source	Display signal	

28PIN

Pin Num	1	2	4	5	6	7
W/C	LG	GR	R	G	W	BE
Signal	IG	REV	MACC	MIN+	SNS2	TX1+
details	Illumination signal	Reverse signal	Microphone power supply (4-6V)	Microphone voice signal	Microphone connection detection signal	AVC-LAN communication signal

Pin Num	8	11	15	16		17	18
W/C	P		Y	SB		V	
Signal	TX1-	shield	PKB	MUT1		SPD	shield
details	Illumination signal		Parking brake signal	Mute signal Audio system playing Above 3.5 V	Audio system changing modes Below 1 V	Vehicle speed signal	

Pin Num	19	21	22
W/C	B	V	Y
Signal	MIN -	SW1	SW2
details	Microphone voice signal	Steering pad switch signal No switch pushed 2.97 to 3.56 V Up switch pushed 0.27 to 0.35 V Down switch pushed 0.86 to 1.03 V Volume+ switch pushed 1.51 to 1.79 V Volume- switch pushed 2.22 to 2.66 V	Steering pad switch signal No switch pushed 2.97 to 3.56 V MODE/HOLD switch pushed 0.27 to 0.35 V On hook switch pushed 0.86 to 1.03 V Off hook switch pushed 1.51 to 1.79 V Voice switch pushed 2.22 to 2.66 V

Pin Num	23	25	26	27	28
W/C	SB	W-B	W	R	B
Signal	SWG	ADPG	VAR+	VA-	VAL+
details	Steering pad switch ground	External device connection detection signal	Sound signal (Right)	Ground	Sound signal (Left)

1. Connect with Original Car's Main Unit-24PIN
2. Connect with Original Car's Main Unit-10PIN
3. Connect with Original Car's Main Unit-28PIN
4. Connect with Original Car's Plug-28PIN
5. Connect with Original Car's Plug-10PIN
6. Connect with Original Car's Plug-24PIN
7. Forward Looking Input
8. Camera Power Supply
9. GND
10. USB Cable
11. WIFI Antenna

Image: Easy Installation. This diagram illustrates the connection points for the retrofit kit with the original car's main unit and plugs, including pinout details for 10-PIN, 24-PIN, and 28-PIN connectors.

6. OPERATING INSTRUCTIONS

Once installed, the retrofit kit allows seamless integration of Wireless CarPlay and Android Auto into your Toyota's infotainment system.

6.1. Wireless CarPlay Functionality

For iPhone users, connect your device wirelessly to access CarPlay features. Ensure your iPhone's Wi-Fi and Bluetooth are enabled.

- **Real-Time Navigation:** Utilize GPS navigation apps like Apple Maps, Google Maps, and Waze directly on your car's screen.
- **Voice Control (Siri):** Activate Siri for hands-free control of navigation, calls, messages, and music.
- **Music Function:** Play music from your iPhone's library or streaming services.
- **Calling Function:** Make and receive calls safely through the car's audio system.

- **Send & Receive Messages:** Access and respond to messages using voice commands.

Take full advantage of CarPlay

If you are an iphone user, you can next enjoy features such as real-time navigation and voice control in your car. And the original steering wheel controls and microphone are working perfectly.

Image: Take Full Advantage of CarPlay. This image demonstrates various CarPlay functions such as real-time navigation, voice control, music playback, calling, and messaging, as displayed on the car's screen.

Call Siri Anytime & Anywhere

Play music, telling jokes, call phone, ask questions
Accompany you to pass the leisure in the car.

Image: Call Siri Anytime & Anywhere. This image highlights the Siri voice assistant functionality within CarPlay, showing examples of commands like "Navigate to home," "What day is today," "What's delicious nearby," and "Play music."

6.2. Wireless Android Auto Functionality

For Android users, ensure your phone is equipped with 5G Hz Wi-Fi and Android version 11 or above for wireless Android Auto. Connect your device wirelessly to access Android Auto features.

- **Android Auto Interface:** Access a simplified interface for navigation, communication, and media.
- **Voice Control:** Use Google Assistant for hands-free commands.
- **Music Function:** Stream music from compatible apps.
- **Calling Function:** Make and receive calls.
- **Send & Receive Messages:** Manage messages via voice or screen.

Make the most of Android Auto

For the Android user, if you want to use the wireless Android Auto, please make sure your phone equipped with 5G Hz Wi-Fi and Android version 11 and above. Then it's time to enjoy live navigation and music

Image: Make the Most of Android Auto. This image illustrates various Android Auto functions such as navigation, voice control, music playback, calling, and messaging, as displayed on the car's screen.

6.3. Control Methods

The retrofit kit maintains compatibility with your vehicle's original control mechanisms:

- **Steering Wheel Controls:** Use your existing steering wheel buttons to control audio playback, answer calls, and activate voice assistants.
- **Touchscreen Control:** Interact directly with the CarPlay or Android Auto interface via your car's touchscreen. Note that some older Toyota touchscreens may not support swiping gestures, requiring tap-based navigation.
- **Original Knobs and Microphone:** Factory knobs and the vehicle's microphone will continue to function appropriately with the integrated system.

Image: Fully Compatible with Original Car. This image shows how the retrofit kit integrates with the car's existing controls, including Siri voice commands, touchscreen interaction, and steering wheel buttons.

6.4. Additional Features

- **Mirror Link:** Project your smartphone screen directly onto the car's display.
- **USB Flash Drive Support:** Play media files directly from a USB flash drive.
- **DSP & Audio EQ:** Fine-tune your audio experience with the built-in Digital Signal Processor and fully adjustable Audio Equalizer.
- **2 RCA Inputs:** Supports the integration of both rear and front cameras, enhancing driver awareness.

7. MAINTENANCE

The EZoneTronics Retrofit Kit requires minimal maintenance. Follow these guidelines to ensure longevity:

- Keep the unit and connections free from dust and moisture.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

- Ensure all cables remain securely connected. Periodically check for any loose connections.
- Do not use harsh chemicals or abrasive cleaners on the unit or your car's screen. Use a soft, damp cloth for cleaning.

8. TROUBLESHOOTING

If you encounter issues with your EZoneTronics Retrofit Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No display or unit not powering on.	Loose power connections, incorrect wiring, incompatible system.	Verify all power harness connections are secure and correctly installed according to the diagram in Section 5. Ensure your vehicle's head unit is compatible (Entune 2.0 / Touch 2, not NAV system). Check vehicle's fuse box for any blown fuses related to the infotainment system.
Wireless CarPlay/Android Auto not connecting automatically or takes a long time.	Vehicle's default Bluetooth interfering, phone settings, Wi-Fi interference.	Disable your vehicle's default Bluetooth connection on your phone. Ensure your phone's Wi-Fi and Bluetooth are enabled and visible. Restart your phone and the vehicle's infotainment system. For Android Auto, confirm your phone supports 5GHz Wi-Fi and is running Android 11 or higher.
Google Assistant/Siri voice is too quiet or volume issues.	Audio settings, system conflict.	Adjust the volume during voice assistant prompts. Some systems allow independent volume control for voice guidance. Check audio settings within the CarPlay/Android Auto interface and your phone.
Screen quality is fuzzy or resolution is not optimal.	Limitations of the original OEM head unit.	The display quality is dependent on the resolution of your vehicle's original head unit. This is a characteristic of the OEM screen, not a defect of the retrofit kit.
Rearview camera displays when in Park, or unit not responding to input switch.	System configuration, specific vehicle behavior.	This behavior can be specific to certain vehicle models and their factory camera systems. Ensure all connections are correct. If the issue persists, contact EZoneTronics support for model-specific guidance.
Unit takes a while to boot up.	Normal operation.	A short boot-up time after starting the car is normal for the system to initialize.

If these solutions do not resolve your issue, please contact EZoneTronics customer support for further assistance.

9. SPECIFICATIONS

Feature	Detail

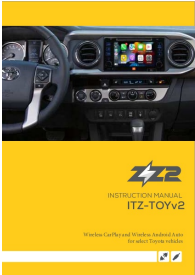| Feature	Detail
Product Dimensions	7.36 x 4.53 x 3.58 inches
Item Weight	1.43 pounds
Model Number	Carplay Retrofit Kit for Toyota
Brand	EZoneTronics
Connectivity Technology	Android Auto, Bluetooth, Wi-Fi, Wireless Carplay
Controller Type	Android
Special Features	Android Auto, Apple CarPlay, Touchscreen
Compatible Devices	Smartphone (iOS & Android)
Connector Type	RCA
Audio Output Mode	Stereo
Surround Sound Channel Configuration	5.1
Color	Black
Number of Channels	1

10. WARRANTY AND SUPPORT

EZoneTronics is committed to providing quality products and customer satisfaction. For warranty information, technical support, or any inquiries regarding your retrofit kit, please contact EZoneTronics customer service.
You can find more information and contact details on the official EZoneTronics website or through your purchase platform.
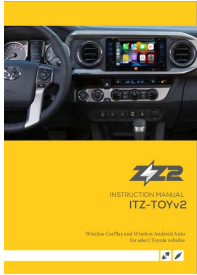**EZoneTronics Support:** Visit EZoneTronics Store on Amazon

Related Documents - Carplay Retrofit Kit for Toyota

[ZZ-2 ITZ-TOYv2 Wireless CarPlay & Android Auto Manual](#)
Instruction manual for the ZZ-2 ITZ-TOYv2 interface, enabling wireless CarPlay and Android Auto for select Toyota vehicles. Includes features, compatibility, installation diagrams, setup guides, and warranty procedures.
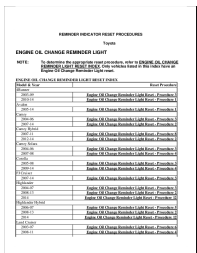
[ZZ2 ITZ-TOYv2: Wireless CarPlay & Android Auto for Select Toyota Vehicles - Instruction Manual](#)

This instruction manual provides detailed information for the ZZ2 ITZ-TOYv2 interface, enabling wireless Apple CarPlay and wireless Android Auto functionality in compatible Toyota vehicles. It covers features, compatibility, installation, setup, operation, menu navigation, and warranty procedures.
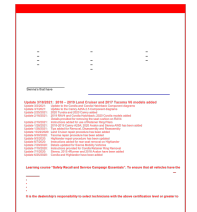

[Toyota Blind Spot Monitor and Rear Cross-Traffic Alert System Overview & Applicability](#)

Detailed overview of Toyota's Blind Spot Monitor (BSM) and Rear Cross-Traffic Alert (RCTA) safety systems, including how they work, how to enable/disable them, and their applicability across 2018-2019 Toyota models. Learn about enhanced driver awareness and collision prevention.

[Toyota Vehicle Reminder Indicator Reset Procedures Guide](#)

Comprehensive guide detailing procedures for resetting various reminder indicators and systems on Toyota vehicles, including engine oil, oxygen sensor, timing belt, and TPMS lights.

[Toyota Safety Recall 20TA02: Fuel Pump Replacement Technical Instructions](#)

Detailed technical instructions for Toyota dealerships regarding Safety Recall 20TA02, covering fuel pump replacement for various Toyota models to address potential stalling issues. Includes parts, tools, and procedures.

[Toyota Entune™ Quick Reference Guide](#)

Comprehensive guide to Toyota's Entune™ infotainment systems, covering Entune™ Audio, Audio Plus, Premium Audio, and Premium JBL® Audio features. Includes setup instructions for the Entune® App Suite and model availability for 2017 and later Toyota vehicles.