

## Dasbecan TK78-66-9U0C

# Dasbecan TK78-66-9U0C Mazda Apple Carplay Android Auto Retrofit Kit User Manual

Model: TK78-66-9U0C | Brand: Dasbecan

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of the Dasbecan TK78-66-9U0C Mazda Apple Carplay Android Auto Retrofit Kit. This kit is designed to integrate Apple CarPlay and Android Auto functionality into compatible Mazda vehicles equipped with the MZD Connect system.

## 2. PRODUCT OVERVIEW AND FEATURES

The Dasbecan TK78-66-9U0C Retrofit Kit enhances your Mazda's infotainment system with modern smartphone integration. Key features include:

- **Wired Apple CarPlay & Android Auto:** Connect your smartphone via USB to access CarPlay or Android Auto interfaces directly on your car's display.
- **Voice Control:** Supports Siri for iOS and Google Assistant for Android, allowing hands-free operation.
- **Integrated Navigation:** Utilize map applications from your smartphone for navigation.
- **Communication & Media:** Access phone contacts, make calls, send messages, and stream music directly through your car's system.
- **Original Control Compatibility:** Maintains functionality of existing knob and steering wheel controls.

## Support Android Phones & iPhones:

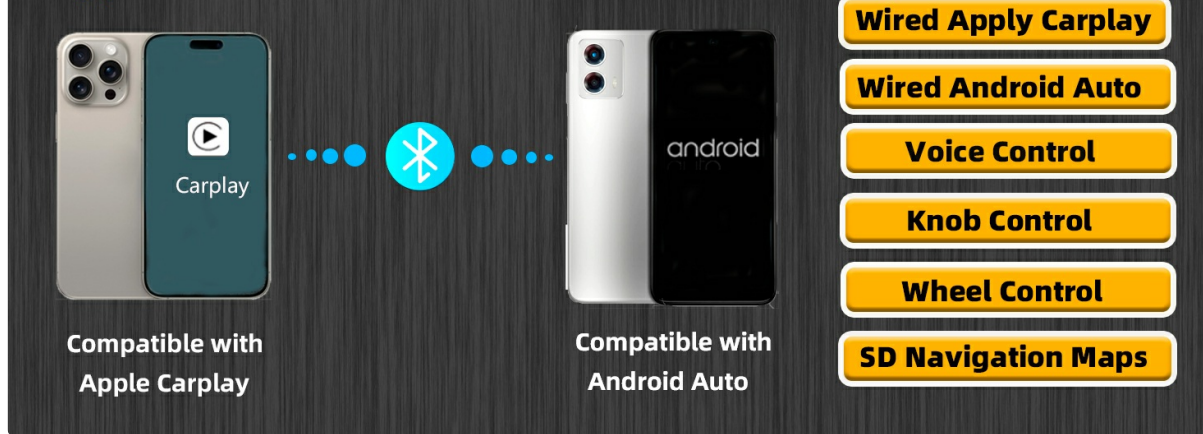


Figure 2.1: Wired CarPlay and Android Auto features.

### 3. COMPATIBILITY

This retrofit kit is compatible with the following Mazda models and years, provided they are equipped with the MZD Connect system:

- Mazda CX-3: 2016 - 2019
- Mazda CX-5: 2015 - 2020
- Mazda CX-9: 2016 - 2020
- Mazda 2: 2016 - 2019
- Mazda 3: 2014 - 2018
- Mazda 6: 2016 - 2020
- Mazda MX-5 Miata Club / Grand Touring: 2016 - 2020
- Mazda MX-5 Miata RF Sport: 2018 - 2019
- Mazda MX-5 Miata Sport: 2018 - 2020
- FIAT 124: 2017 - 2021

#### Note:

- Your vehicle must have an MZD Connect device for this kit to function.
- The software version of your car's firmware system must be V70.00.021 or higher.

#### Warm Tips:

1. The software version of your car firmware system must be V70.00.21 or later

2. How to check your car firmware version?

Click the button "Setting" - "System" - "About" - "Version Information" - "OS Version"

3. How to upgrade your car firmware system?

Please refer to the upgrade method in the manual book or contact us for help, we will send you Upgrade plug-in.

4. If you are using an older version of the CMU system, the CarPlay/Android Auto may not be recognized.

5. If you use it for several months and find a fault, you can Restore the carplay to factory Settings or find us for help.

## 4. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x Hub Unit
- 2 x USB Cable (Gray/Blue-Black)
- 1 x USB Cable (Gray/Blue-Brown)
- 10 x Sponge Tape (100 x 30 mm)
- 1 x Product Manual (this document)
- 9+ x Tie Wraps (L=200mm)



Figure 4.1: Contents of the Dasbecan Retrofit Kit package.

## 5. SOFTWARE VERSION REQUIREMENTS & UPGRADE

Before installation, ensure your Mazda's MZD Connect system firmware meets the minimum requirements. An outdated system may prevent the kit from functioning correctly or stably.

### 5.1 Checking Your Firmware Version

To check your current OS version:

1. Navigate to "Setting" on your car's display.
2. Select "System".
3. Choose "About".
4. Select "Version Information".
5. Locate "OS Version".

The system must be on version **70.00.021 or higher**. For improved stability and to prevent frequent disconnections, it is recommended to update your OS version to **74.00.021 N AN/ F AN** or above.

### 5.2 Upgrading Your Firmware

If your system requires an upgrade, please contact Dasbecan support for assistance and the necessary upgrade plug-in. During the firmware upgrade process, it is crucial to remove the SD card from your system. Reinsert the SD card only after the upgrade is complete to ensure navigation functions properly.



Figure 5.1: Mazda MZD Connect system update screen.

## 6. SETUP AND INSTALLATION

Installation of the retrofit kit involves replacing the existing USB hub unit and connecting new cables. It is recommended to consult detailed video tutorials available online for visual guidance, as the process involves disassembling parts of your car's interior.

### 6.1 General Installation Steps

1. **Preparation:** Ensure your vehicle's ignition is off and disconnect the battery if required by specific vehicle instructions.
2. **Access the USB Hub:** Carefully remove the necessary trim panels to gain access to the existing USB (AUX) hub unit.
3. **Remove Old Components:** Disconnect and remove the old single gray USB cable and the old USB (AUX) hub unit.
4. **Install New Components:** Install the new USB (AUX) hub unit and connect the new USB cable pair (Gray/Green and Gray/Blue) to the CMU (Connectivity Master Unit).
5. **Cable Management:** To prevent noise and ensure a secure fit, wrap any disconnected vehicle wiring harness connectors with the provided sponge tape (100 x 30 mm). Use tie wraps to secure cables.
6. **Reassembly:** Carefully reassemble all removed trim panels.

#### Important Notes:

- The CarPlay connection uses USB1.
- Siri must be enabled on your iPhone to connect to CarPlay.
- If your car has two vehicle wiring harness connectors, apply the same procedure for both.

## SUPPORT ALL APPS



### VOICE CONTROL

It supports Siri for IOS and Google Assistant voice control



### SD NAVIGATION MAPS

Real-time navigation makes it easier for us to know the road



### CALLING FUNCTION

Hand-free Calling, Stay connected to your world while keeping your eyes focused on the road.



### MUSIC FUNCTION

Enjoy the journey and relieve fatigue

Figure 6.1: Connection diagram for the retrofit kit.



Figure 6.2: Example of included installation instructions.

## 6.2 Installation Video

For a visual guide on the installation process, please refer to the following video:

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Video 6.1: Demonstration of the TK78-66-9U0C Apple Carplay Android Auto Retrofit Kit functionality and connection process.

## 7. OPERATING INSTRUCTIONS

Once the kit is installed and your smartphone is connected, you can begin using Apple CarPlay or Android Auto.

### 7.1 Connecting Your Smartphone

1. Connect your iPhone or Android phone to the USB1 port of the newly installed hub unit using a high-quality data cable.
2. The MZD Connect system should automatically detect your phone and launch Apple CarPlay or Android Auto.
3. If prompted, grant necessary permissions on your smartphone.

## 7.2 Using CarPlay / Android Auto

- **Navigation:** Use your preferred map application (e.g., Apple Maps, Google Maps, Waze) for turn-by-turn directions.
- **Music & Audio:** Access music streaming services (e.g., Spotify, Apple Music, YouTube Music) and podcasts.
- **Communication:** Make and receive calls, send and read messages using voice commands or the car's controls.
- **Voice Assistant:** Activate Siri (for iOS) or Google Assistant (for Android) by pressing the voice command button on your steering wheel or saying the wake phrase.
- **Controls:** Navigate the CarPlay/Android Auto interface using the car's original rotary knob, buttons, and steering wheel controls. Touchscreen functionality may vary depending on your car's firmware version and the specific operating system (Apple CarPlay generally supports touch, Android Auto may not in some Mazda systems).



Figure 7.1: Support for Android phones and iPhones.

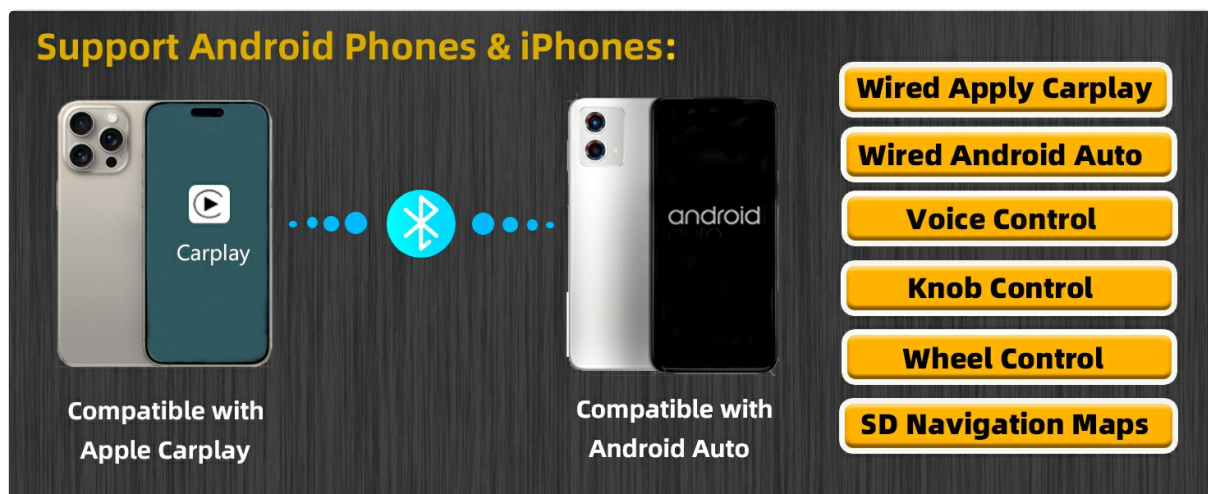


Figure 7.2: Key functions available through CarPlay and Android Auto.

## 8. TROUBLESHOOTING AND FAQ

This section addresses common issues and questions regarding the Dasbecan Retrofit Kit.

### 8.1 Common Issues

- **Frequent Disconnection:** If your connected Mazda CarPlay frequently disconnects, it may be due to internal instability of the Mazda system. Update your OS version to 74.00.021 N AN/ F AN or higher for greater stability.
- **"No Apple CarPlay device found" or Black Screen:** This often indicates an issue with the USB cable. Replace it with a new, high-quality data transmission cable. Some cables are for charging only and do not support data transfer.
- **Display Not Supporting Touch Screen:** This is related to the car's firmware version. In some regions, touchscreen functionality may not be supported when using Android Auto, but it is generally supported with Apple CarPlay.
- **CarPlay Not Working After Firmware Update:**
  - a. Check if the connection lines are properly seated.
  - b. Ensure Siri is turned on and Bluetooth is active on your iPhone.
  - c. Try using a USB flash drive to verify if the USB port can read data.
  - d. Confirm that you removed the SD card before upgrading the firmware and reinserted it afterward. Failure to do so can affect navigation functionality.

## 8.2 General Questions

- **Difference between wired and wireless versions:** The wired version requires a physical data cable connection. Wireless versions (P3, P3A, P3.2) do not require wired connections for CarPlay/Android Auto, but data transmission is generally more stable with a wired connection.
- **Using another wireless CarPlay adapter:** Yes, you can plug in a separate wireless CarPlay adapter or Android AI box into this unit.
- **Upgrading wireless module:** If you purchased a wireless CarPlay version, the wireless module supports OTA upgrades. Contact technical support for assistance.
- **iPhone disconnects with Wireless CarPlay:**
  - a. Ensure your iPhone is only connected to the Bluetooth of the box. Delete any original car Bluetooth connections from your phone's Bluetooth list, as multiple connections can cause signal interference.
  - b. Restart your car's original system, then delete the box's Bluetooth connection from your iPhone, restart your iPhone, and then reconnect to the box's Bluetooth.

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Video 8.1: Short preview demonstrating Android Auto functionality and navigation.

## 9. SPECIFICATIONS

Feature	Detail
Model Number	TK78-66-9U0C
Manufacturer	Dasbecan
Product Dimensions	8.07 x 4.13 x 4.53 inches

Item Weight	9.5 ounces
Connector Type	USB Type A
Compatible Devices	Mazda CX-3, CX-5, CX-9, Mazda 2, Mazda 3, Mazda 6, MX-5 Miata (various trims), FIAT 124 (see Compatibility section for full list)

## 10. WARRANTY AND SUPPORT

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For warranty information, technical support, or any questions regarding the installation or operation of your Dasbecan TK78-66-9U0C Retrofit Kit, please contact Dasbecan customer service directly. Refer to the product packaging or the official Dasbecan website for contact details.