

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

> [HMYC](#) /

> [HMYC Mazda CarPlay and Android Auto Retrofit Kit \(Model TK78-66-9U0C\) Instruction Manual](#)

HMYC TK78-66-9U0C

HMYC Mazda CarPlay and Android Auto Retrofit Kit (Model TK78-66-9U0C) Instruction Manual

Enhancing Your Mazda's Connectivity

1. INTRODUCTION

This manual provides detailed instructions for the installation and operation of the HMYC Mazda CarPlay and Android Auto Retrofit Kit, model TK78-66-9U0C. This kit is designed to upgrade your Mazda's MZD Connect infotainment system, enabling Apple CarPlay and Android Auto functionality for enhanced connectivity and driving safety.

2. SAFETY INFORMATION

Always ensure the vehicle is turned off and the battery is disconnected before performing any installation procedures. Exercise caution when handling vehicle trim and electrical components. If you are unsure about any step, consult a professional automotive technician.

3. PACKAGE CONTENTS

The HMYC Mazda CarPlay and Android Auto Retrofit Kit includes the following components:

- 1 x USB Hub Unit (TK78-66-9U0C)
- 1 x USB Cable (Gray/Blue-Black)
- 1 x USB Cable (Gray/Blue-Brown)
- 2 x Sponge Tape sheets (100x30mm, 10 sheets total)
- 1 x Product Manual (this document)
- 9+ x Tie Wraps (L=200mm)

Image: Kit Components

PACKAGE INCLUDES

PLEASE FEEL FREE TO CONTACT US IF YOU HAVE ANY QUESTIONS
ABOUT THE INSTALLATION PROCESS



1.1*HUB UNIT

4.2SPONGE TAPE(100*30MM10 SHEETS)

2.1*USB CABLE(GRAY/BLUE-BLACK)

5.1*PRODUCT MANUAL

3.1*USB CABLE(GRAY/BLUE-BROWN)

6.9*TIEWRAP(L=200MM)(AT LEAST9 PCS)

This image displays all components included in the HMYC Mazda CarPlay and Android Auto Retrofit Kit: the main USB hub unit, two USB cables (gray/blue-black and gray/blue-brown), two sheets of sponge tape, a product manual, and a bundle of tie wraps.

4. COMPATIBILITY

This retrofit kit is compatible with the Mazda MZD Connect System and is designed for specific Mazda models and years. Please verify your vehicle's compatibility before installation.

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

The OEM Part Number replaced by this kit is TK78-66-9U0C K1414 00008FZ34.

Image: Compatible Models and OEM Part Number

SUPPORT ALL APPS



This image provides a visual reference for compatible Mazda models and the OEM part number this kit replaces.

5. SETUP AND INSTALLATION

Important Pre-Installation Step: Firmware Update

Before proceeding with the physical installation, your car's infotainment system firmware must be updated to version **V70.00.21** or later. If an older version of the CMU software is used, the CarPlay/Android Auto compatible USB hub may not be recognized.

Note: Remove any SD card from the system before initiating the firmware upgrade. Reinsert the SD card only after the upgrade is complete to ensure proper GPS and navigation functionality.

Consult your Mazda dealership or official Mazda resources for instructions on how to update your specific vehicle's firmware.

Physical Installation Overview

The installation process involves removing existing trim, disconnecting the old USB hub unit and cables, and installing the new HMYC hub with its accompanying cables. This process requires careful handling of vehicle interior components.

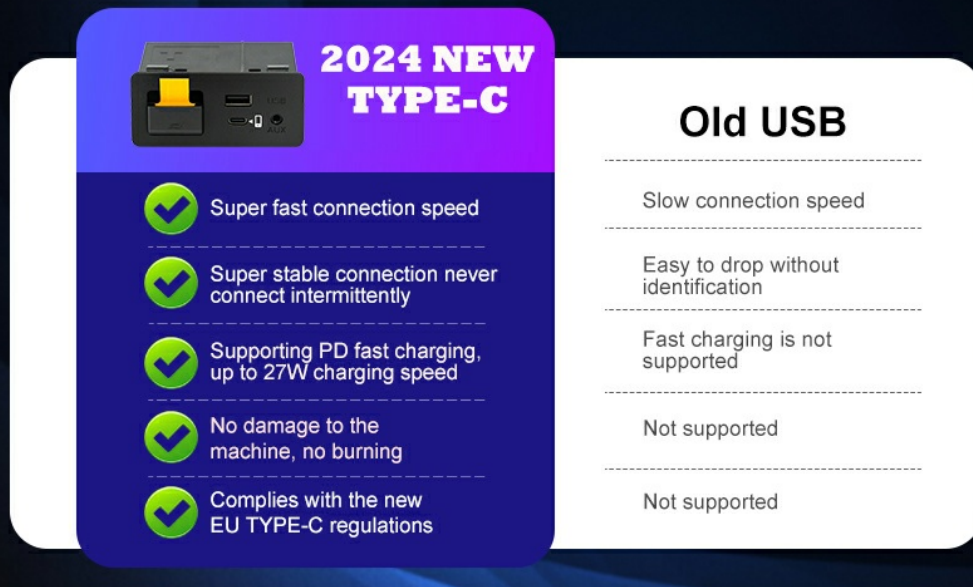
It is highly recommended to consult online video tutorials specific to your Mazda model for detailed visual guidance on trim removal and component access.

Connection Diagram

The following diagram illustrates the connection process for the new USB hub unit.

2024 NEW UPGRADED TYPE-C PORT MAZDA RETROFIT KIT

Super stable connection & Super fast charging speed



This diagram shows the steps for replacing the old USB hub. First, disconnect the old USB hub unit and its gray USB cable from the CMU. Then, install the new HMYC USB hub unit and connect the new gray/green and gray/blue cables to the CMU. Wrap disconnected vehicle wiring harness connectors with sponge tape to prevent noise.

Installation Steps (General)

1. **Disconnect Battery:** For safety, disconnect the vehicle's negative battery terminal.
2. **Remove Trim:** Carefully remove the necessary interior trim panels to access the existing USB hub and the infotainment system's CMU (Connectivity Master Unit).
3. **Remove Old USB Hub:** Disconnect the old USB hub unit and its associated cables from the CMU.
4. **Install New USB Hub:** Connect the new HMYC USB hub unit and its provided cables (Gray/Blue-Black, Gray/Blue-Brown) to the CMU. Ensure all connections are secure.
5. **Cable Management:** Use the provided tie wraps to secure the new cables and prevent rattling. Wrap any disconnected vehicle wiring harness connectors with sponge tape (100x30mm) to prevent noise.
6. **Reassemble Trim:** Carefully reassemble all removed trim panels.
7. **Reconnect Battery:** Reconnect the vehicle's negative battery terminal.
8. **Test Functionality:** Turn on the vehicle and test the CarPlay and Android Auto functionality.

Note: If your vehicle has two wiring harness connectors, apply the same procedure for both.

6. OPERATING INSTRUCTIONS

The HMYC Retrofit Kit enables Apple CarPlay and Android Auto functionality in your Mazda, allowing seamless integration of your smartphone's features with your car's infotainment system.

Image: CarPlay Interface on Mazda Screen

Type-C Fast Charging

The 2024 new upgraded carplay kit allows Type-C fast charging. The Type-C port achieves fast power delivery. You don't have to worry about your phone dying in the car anymore. The maximum charging power can reach 27W. It support both CarPlay or Android Auto, more stable connection than the old usb version can prevent of signal interruption.



This image illustrates the Apple CarPlay interface displayed on the Mazda infotainment screen, showing various application icons. A smartphone running CarPlay is also depicted, highlighting the integration.

Connecting Your Smartphone (Wired)

This kit supports wired CarPlay and wired Android Auto. Connect your compatible smartphone to the Type-C port on the new USB hub using a high-quality data cable.

Upon connection, your phone's CarPlay or Android Auto interface should automatically appear on the Mazda infotainment screen.

Key Features:

- **Navigation:** Access your smartphone's map applications (e.g., Apple Maps, Google Maps, Waze) directly on the car's display.
- **Music & Media:** Play music, podcasts, and audiobooks from your favorite streaming services.
- **Communication:** Make and receive calls, send and receive messages using voice commands or the car's controls.
- **Voice Control:** Utilize Siri (for iOS) or Google Assistant (for Android) for hands-free operation of various functions.
- **Original Car Controls:** Maintain control through the original Mazda multifunction Commander knob and steering wheel buttons.
- **Fast Charging:** The Type-C port supports PD fast charging up to 27W, ensuring your device charges quickly while connected.

Switching Between CarPlay/Android Auto and Mazda Connect

You can typically switch between the CarPlay/Android Auto interface and the native Mazda Connect system using the car's existing controls or by disconnecting your phone.

7. MAINTENANCE

The HMYC Mazda CarPlay and Android Auto Retrofit Kit is designed for long-term, maintenance-free operation. No regular user maintenance is required.

Keep the USB ports clean and free of debris to ensure optimal connection.

8. TROUBLESHOOTING

If you encounter issues with your HMYC Retrofit Kit, please refer to the following common solutions:

- **No Recognition/Connection Issues:**
 - **Firmware Version:** Ensure your Mazda's infotainment system firmware is updated to V70.00.21 or later. This is a critical step for proper recognition.
 - **Cable Quality:** Use a high-quality, certified USB data cable. Faulty or charging-only cables can prevent data transfer.
 - **Secure Connections:** Verify that all cables connected to the new USB hub and CMU are securely seated.
 - **Restart Devices:** Try restarting your smartphone and the car's infotainment system.
 - **SD Card:** Confirm that the SD card was removed during firmware update and reinserted afterward, if applicable.
- **Slow Charging:**
 - Ensure your device and cable support PD fast charging.
 - Verify the cable is a data cable, not just a charging cable.
- **Intermittent Connection:**
 - Check for loose cable connections at both the phone and the USB hub.
 - Ensure the USB hub is securely mounted and not subject to excessive movement.
 - If using Android Auto, some users have reported success by downgrading and then upgrading the Android Auto app on their phone, or restarting the app multiple times.
- **Touchscreen Not Working (Android Auto):**
 - Some Mazda models may not support touchscreen functionality with Android Auto. This is a limitation of the vehicle's system, not the retrofit kit. Control via the Commander knob and steering wheel buttons will still be available.

If problems persist, please contact HMYC customer support for assistance.

9. SPECIFICATIONS

Product Specifications

Feature	Detail
Model Number	TK78-66-9U0C
Replaces OEM Part Number	TK78-66-9U0C K1414 00008FZ34
Product Dimensions	3.4 x 2.6 x 1.5 inches (8.6 x 6.6 x 3.8 cm)
Item Weight	14.5 ounces (410 grams)
Hardware Interface	Micro USB 3.0 Type B (internal), USB-A, USB-C, AUX (external)
Total USB Ports	3 (1 internal, 2 external)
Charging Output	Up to 27W PD Fast Charging (Type-C port)

UPC	724320932550
-----	--------------

10. WARRANTY AND SUPPORT

Warranty Information

The HMYC Mazda CarPlay and Android Auto Retrofit Kit comes with a **24-month warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.

Customer Support

For technical assistance, installation queries, or warranty claims, please contact HMYC customer support. Professional technical support services are available to assist you.

Refer to your purchase documentation or the HMYC official website for contact details.