

ALLWAY AW-URM-001

ALLWAY Dual USB Interface Module for Ford SYNC 3: Installation and Operation Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the ALLWAY Dual USB Interface Module, designed to enhance the connectivity of your Ford vehicle's SYNC 3 system. This module enables Apple CarPlay and Android Auto functionality, offering seamless integration of your smartphone with your vehicle's infotainment system. Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. COMPATIBILITY

This Dual USB Interface Module is specifically designed for Ford vehicles equipped with the SYNC 3 system. It is crucial that your SYNC 3 system has been updated to version 2.2 or above. Updates can typically be found on the official Ford Owner's website.

Important Note:

- This module is ONLY compatible with Ford SYNC 3 systems. It is NOT compatible with SYNC 2.
- This module will NOT fit Mustang and Focus models.
- Verify your SYNC version before purchase and installation. Refer to the comparison image below to distinguish between SYNC 2 and SYNC 3.



Terms	SYNC3	SYNC2
System	Blackberry QNS System	Win CE
UI	Flat color lump interface	Four split screen
Update methods	USB,WIFI, Applink	USB
CPU	TI Dual Core 1.5GHz	reescale Single Core 800 MHz
RAM	2G DDR3	512M
ROM	8G/32G (Built in)	2G (extra SD GPS card)
Screen	8" Capacitive multi-touch screen	Resistive screen
GPS	External GPS antenna	Built in GPS antenna
Phone connection	Carplay and Android Auto	---
Input methods	Voice/Handwriting	Voice
Voice Command	Easier,more convenient,more accurate,faster	---

Figure 2.1: Visual comparison between Ford SYNC 2 and SYNC 3 systems. Ensure your vehicle has SYNC 3 for compatibility.



Figure 2.2: Another visual guide showing a compatible SYNC 3 screen with CarPlay and an incompatible SYNC 2 screen.

3. KEY FEATURES

- Genuine Dual USB interface Module for Ford APPLE CARPLAY SYNC3.
- Interchange Part Number: HC3Z-19A387-B or HC3T-14F014-BC.
- Enables Apple CarPlay and Android Auto functionality.
- Direct replacement for existing USB interface module.
- Plug and play installation after software update.

4. SPECIFICATIONS

Attribute	Detail
Brand	ALLWAY

Model Number	AW-URM-001
Interchange Part Numbers	HC3Z-19A387-B, HC3T-14F014-BC
UPC	704888365557
Item Weight	2.39 ounces
Package Dimensions	2.91 x 2.87 x 2.05 inches
Compatible Devices	Ford vehicles with SYNC 3 (version 2.2+)
Remote Control Included?	No

**Dual USB Interface Module We Selling
For SYNC3 Only and Blue Light.**



If your original USB interface module size like this that our Apple carplay USB interface Module **will not fit to you**. As our mount hole size require bigger.

Figure 4.1: Detailed dimensions of the ALLWAY Dual USB Interface Module.

5. SETUP AND INSTALLATION

The installation of the ALLWAY Dual USB Interface Module is a direct replacement process. Prior to physical installation, ensure your Ford SYNC 3 system is updated to version 2.2 or higher. This software update is critical for

5.1. Software Update (If Necessary)

1. Visit the official Ford Owner's website.
2. Enter your Vehicle Identification Number (VIN) to check for available SYNC 3 updates.
3. Download the latest SYNC 3 software update (version 2.2 or higher) to a USB flash drive.
4. Follow the on-screen instructions in your vehicle to install the update. This process may take some time.

5.2. Physical Installation

Tools Required: A plastic pry tool or a small flat-head screwdriver (to avoid scratching surfaces).

1. **Locate the Existing Module:** The USB interface module is typically located in the center console or dashboard.
2. **Remove the Old Module:** Carefully use a plastic pry tool to gently pry out the existing USB module from its housing. Apply even pressure to release the retaining clips.
3. **Disconnect Wiring:** Once the old module is loose, disconnect the electrical connectors from its rear. These are typically 'pinch and pull' connectors.
4. **Connect the New Module:** Take the ALLWAY Dual USB Interface Module and connect the vehicle's wiring harnesses to the corresponding ports on the back of the new module. Ensure connections are secure.
5. **Insert the New Module:** Align the new module with the opening and push it firmly into place until it clicks, indicating the retaining clips have engaged.



Figure 5.1: Front view of the ALLWAY Dual USB Interface Module.



Figure 5.2: Rear view of the module, illustrating the connection points for the vehicle's wiring harnesses.



Figure 5.3: Side view of the module, showing its profile and mounting tabs.



Lnstallation display

2016 Ford Edge USB Media Hub Replacement

Figure 5.4: Example installation in a 2016 Ford Edge, showing the module being fitted into the console.

Installation display

2016 Ford F-150 USB Media Hub Replacement

Figure 5.5: Example installation in a 2016 Ford F-150, demonstrating the module in place.

5.3. Installation Videos

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Video 5.1: This video demonstrates the installation process for a CarPlay USB Media Hub Upgrade Module, similar to the ALLWAY module. It provides a visual guide to replacing the existing unit.

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Video 5.2: A demonstration of a CarPlay USB Interface Hub, showcasing its features and potential installation steps for Ford vehicles.

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Video 5.3: This video provides an overview of a Sync 3 Medium Box Hub, which is compatible with Ford and Lincoln vehicles, and may include installation guidance.

6. OPERATING INSTRUCTIONS

Once the ALLWAY Dual USB Interface Module is installed and your SYNC 3 system is updated, you can begin using Apple CarPlay or Android Auto.

1. **Connect Your Smartphone:** Use a certified USB cable to connect your Apple iPhone or Android smartphone to one of the USB ports on the newly installed module.
2. **Initial Setup:** The first time you connect your phone, your SYNC 3 system may prompt you to enable Apple CarPlay or Android Auto. Follow the on-screen instructions to grant necessary permissions.
3. **Accessing CarPlay/Android Auto:** Once enabled, the CarPlay or Android Auto interface should automatically appear on your vehicle's touchscreen. You can typically switch between the SYNC 3 interface and CarPlay/Android Auto using an icon on the screen or a dedicated button (if available).
4. **Using Features:** Navigate through your phone's compatible apps (e.g., navigation, music, messaging) directly from the vehicle's touchscreen or using voice commands.



Figure 6.1: The Apple CarPlay interface displayed on a Ford SYNC 3 screen after connecting a smartphone via the USB module.

7. MAINTENANCE

The ALLWAY Dual USB Interface Module requires minimal maintenance. To ensure optimal performance and

longevity:

- **Keep Ports Clean:** Periodically inspect the USB ports for dust, debris, or foreign objects. Use a soft, dry cloth or a small, non-metallic brush to gently clean the ports if necessary.
- **Avoid Liquid Spills:** Prevent liquids from spilling onto or into the USB module, as this can cause damage and malfunction.
- **Use Quality Cables:** Always use high-quality, certified USB cables for connecting your smartphone to ensure stable data transfer and charging.

8. TROUBLESHOOTING

If you encounter issues with your ALLWAY Dual USB Interface Module, refer to the following common troubleshooting steps:

- **CarPlay/Android Auto Not Activating:**
 - Ensure your SYNC 3 system is updated to version 2.2 or higher. This is a common reason for non-activation.
 - Verify your smartphone's operating system is up-to-date.
 - Try a different, certified USB cable. Faulty cables are a frequent cause of connectivity issues.
 - Restart your smartphone and reconnect it.
 - Check your phone's settings to ensure CarPlay/Android Auto is enabled and allowed to connect to your vehicle.
- **No Power/Charging from USB Ports:**
 - Check the vehicle's fuse box for any blown fuses related to the USB ports or infotainment system.
 - Ensure the module is correctly seated and all electrical connectors are securely attached.
- **Module Does Not Fit:**
 - Double-check the compatibility section (Section 2) to confirm your vehicle model and SYNC version are supported. This module is not universal.
 - Compare the dimensions of your original module with the provided dimensions (Figure 4.1) to ensure proper fitment.
- **Intermittent Connectivity:**
 - This can often be resolved by using a different, higher-quality USB cable.
 - Ensure the USB ports are clean and free of debris.

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your ALLWAY Dual USB Interface Module, please contact ALLWAY customer service through their official channels or the retailer from whom the product was purchased. Keep your purchase receipt and product information handy when contacting support.

