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› [CUSP](#) /

› CUSP CV-F632 12.1-inch Android Car Stereo Radio GPS Instruction Manual for Ford Mustang (2010-2014)

CUSP CV-F632

CUSP CV-F632 12.1-inch Android Car Stereo Radio GPS Instruction Manual

For Ford Mustang (2010-2014)

1. PRODUCT OVERVIEW

The CUSP CV-F632 is a 12.1-inch IPS 2K HD touchscreen Android car stereo and GPS navigation system designed specifically for Ford Mustang models from 2010 to 2014. This multimedia unit integrates advanced features such as GPS navigation, Bluetooth connectivity, Wi-Fi, Mirror Link, and support for Car Play and Android Auto, enhancing your vehicle's infotainment capabilities.



Figure 1.1: CUSP 12.1-inch Android Car Stereo installed in a Ford Mustang dashboard, displaying the main interface with radio, navigation, and vehicle information.

2. KEY FEATURES

- **Display:** 12.1-inch IPS HD 2K Capacitive Touch Screen (1024*768 resolution), supporting 4K video playback.
- **Processor & Memory:** PX3 Quad-core Rockchip CPU, 2GB RAM, 32GB ROM for efficient performance.
- **Navigation:** Built-in GPS with support for online and offline maps (e.g., Google Maps, iGo, Waze), including 2D/3D map views and dual-zone function.
- **Connectivity:** Integrated WiFi, Bluetooth for hands-free calling and music streaming (A2DP), and Mirror Link functionality.
- **Smartphone Integration:** Supports wired Car Play and wired Android Auto.
- **Audio/Video:** Audio and video input/output via RCA, subwoofer connector, and support for aftermarket amplifiers.
- **Vehicle Integration:** Plug-and-play installation with OEM harness, supports steering wheel controls, and integrated climate control via touchscreen.
- **App Support:** Pre-installed Google, YouTube, and Play Store for downloading additional applications.

3. PACKAGE CONTENTS

Verify that all components are present in the package before proceeding with installation.

- CUSP 12.1-inch Android Car Stereo Unit
- Power Cable (OEM Harness)
- USB Cable
- Video Cable
- GPS Antenna
- RCA Cable
- OBD Adapter
- WiFi Antenna
- Radio Antenna



Figure 3.1: Included components of the CUSP Android Car Stereo system.

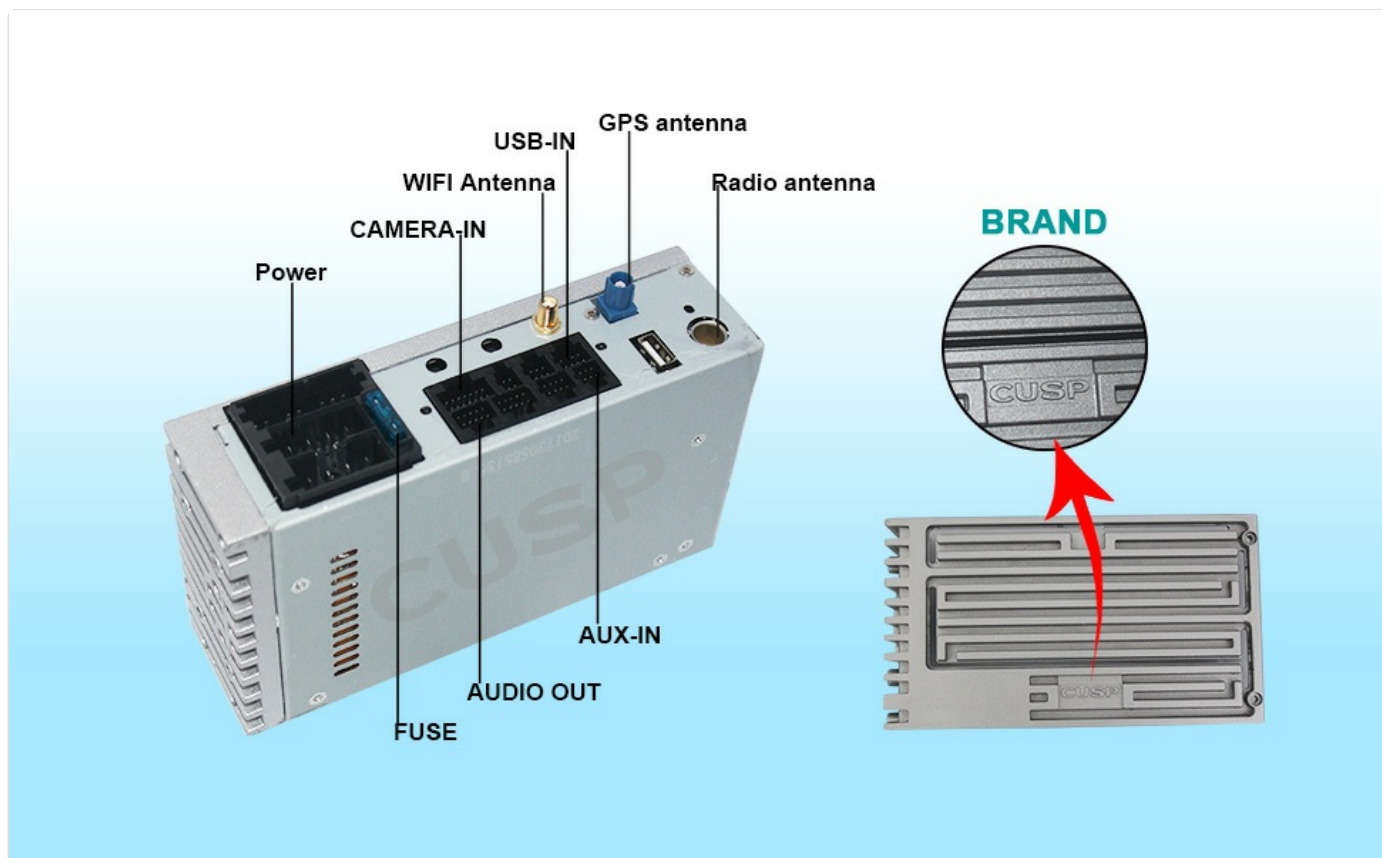


Figure 3.2: Rear connection ports on the CUSP Android Car Stereo unit.

4. INSTALLATION

The CUSP CV-F632 unit is designed for plug-and-play installation using the provided OEM harness. While installation is generally straightforward, professional installation is recommended to ensure proper functionality and avoid damage to your vehicle or the unit.

4.1 Pre-Installation Steps

1. Ensure the vehicle's battery is disconnected before starting any electrical work.
2. Carefully remove the existing factory radio and dashboard trim. Refer to your vehicle's service manual for specific instructions on trim removal.
3. Identify all factory wiring harnesses and connections.

4.2 Connecting the Unit

1. Connect the provided OEM harness to the vehicle's factory wiring.
2. Attach the GPS antenna, WiFi antenna, and radio antenna to their respective ports on the CUSP unit (refer to Figure 3.2). Position the GPS antenna in a location with a clear view of the sky for optimal signal reception.
3. If installing a backup camera, connect its video output to the 'CAMERA-IN' port on the unit.
4. Connect any additional accessories such as USB devices, external amplifiers (via RCA), or OBD adapters.
5. Carefully route all cables to prevent pinching or interference.

4.3 Mounting the Unit

1. Secure the CUSP unit into the dashboard opening, ensuring it fits snugly and is properly aligned.
2. Reinstall the dashboard trim and any other removed components.
3. Reconnect the vehicle's battery.



Figure 4.1: Before and after installation views of the CUSP Android Car Stereo in a Ford Mustang, demonstrating seamless integration.

5. OPERATING INSTRUCTIONS

This section details the primary functions and operations of your CUSP Android Car Stereo.

5.1 Power On/Off

The unit powers on automatically with the vehicle's ignition. To manually power off or restart, use the power button icon on the touchscreen interface.

5.2 Home Screen Navigation

The home screen provides quick access to key functions like Navigation, Radio, Music, Climate, Video, Bluetooth, and PhoneLink. Swipe left or right to access additional app pages.

5.3 Radio Operation

Tap the 'Radio' icon to access the FM/AM tuner. You can scan for stations, save presets, and adjust settings directly from the touchscreen.



Figure 5.1: Radio interface on the CUSP Android Car Stereo.

5.4 GPS Navigation

Select the 'Navigation' icon to launch the GPS application. The unit supports various navigation apps (e.g., Google Maps, iGo, Waze) and offers both online and offline map capabilities. Utilize the dual-zone function to enjoy other media while navigating.



Figure 5.2: GPS Navigation interface.

5.5 Bluetooth Functionality

Pair your smartphone via Bluetooth for hands-free calling and audio streaming. Access your phonebook, dial calls, and play music directly from your device through the stereo.



Figure 5.3: Bluetooth calling interface.



Figure 5.4: Bluetooth music streaming interface.

5.6 Car Play & Android Auto

Connect your iPhone or Android phone via USB to activate Car Play or Android Auto, respectively. This allows seamless integration of your smartphone's features, including navigation, music, messages, and more, directly on the stereo display.

CAR PLAY & ANDROID AUTO (OPTION)

Car play support Iphone via wire and wireless, and Android auto support android phone via wire.

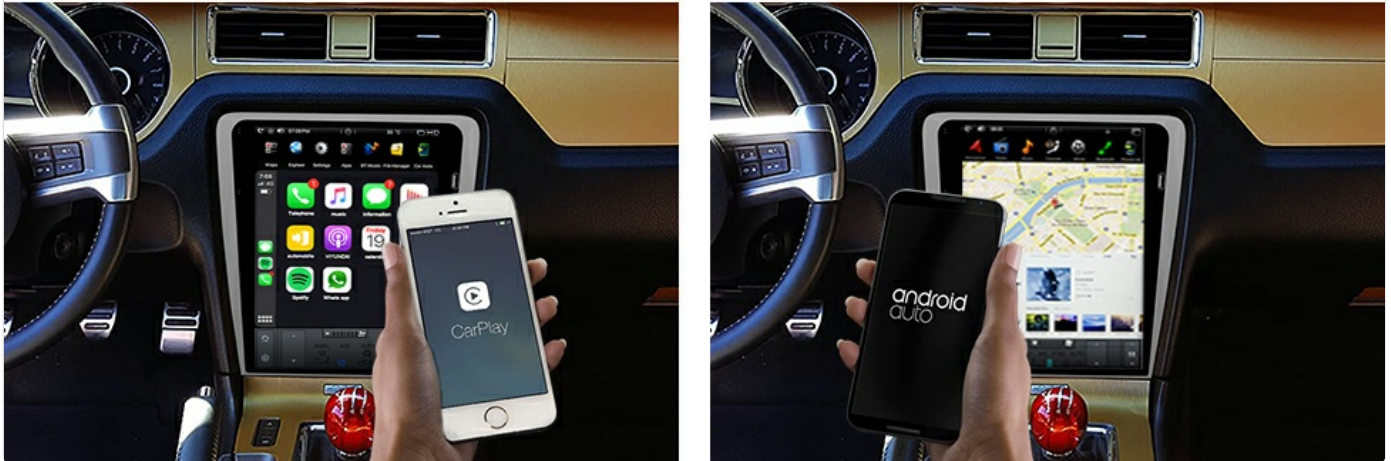


Figure 5.5: Car Play and Android Auto interfaces.

5.7 Video Playback

The unit supports various video formats (MKV, MP4, 3GP, AVI, etc.). You can play videos from USB drives or other connected sources. The Picture-in-Picture (PIP) function allows you to watch videos while using other applications like navigation.



Figure 5.6: Video player interface.

5.8 Climate Control

The unit integrates with your vehicle's climate control system. Adjust temperature, fan speed, and air direction directly from the touchscreen interface. This feature supports both automatic and manual A/C systems.

5.9 Voice Control

Utilize voice commands for hands-free operation of various functions, such as changing radio stations, adjusting volume, initiating navigation, or making calls.



Figure 5.7: Voice control interface.

5.10 Backup Camera

If a backup camera is connected, the display will automatically switch to the camera feed when the vehicle is put into reverse, providing a clear view of the area behind your vehicle.

5.11 App Management

Access the Play Store to download and install additional Android applications. Manage installed apps through the 'App list' or 'File Manager' icons.

Video 5.1: Demonstration of CUSP 12.1-inch Android Car Stereo features, including radio, navigation, app access, Car Play, Android Auto, video playback, and backup camera display.

6. SPECIFICATIONS

Feature	Detail
Model Number	CV-F632
Operating System	Android
Screen Size	12.1 Inches
Display Type	IPS HD 2K Capacitive Touch Screen
Resolution	1024*768
CPU	PX3 Quad-core Rockchip
RAM	2GB
ROM	32GB
Connectivity	Bluetooth, Wi-Fi

Feature	Detail
Special Features	GPS Navigation, Car Play, Android Auto, Mirror Link, Voice Control
Audio Output Mode	Stereo
Mounting Type	Dashboard Mount
Item Weight	7.39 pounds
Package Dimensions	14 x 13 x 8.5 inches

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your CUSP car stereo.

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or harsh chemicals.
- **Software Updates:** Periodically check for and install system software updates to ensure the latest features and bug fixes. Updates can typically be found through the system settings or the manufacturer's website.
- **Cable Connections:** Ensure all cables are securely connected and free from damage. Loose connections can lead to intermittent issues.
- **Temperature Control:** Avoid exposing the unit to extreme temperatures for extended periods.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your CUSP Android Car Stereo.

8.1 No Audio Output

- **Check Connections:** Verify that all audio cables (e.g., RCA, speaker wires) are correctly and securely connected to the unit and the vehicle's audio system.
- **Volume Levels:** Ensure the volume on the stereo and any connected devices (e.g., smartphone) is not muted or set to a very low level.
- **Source Selection:** Confirm that the correct audio source (e.g., Radio, Bluetooth, USB) is selected on the unit.
- **Amplifier Check:** If an external amplifier is used, ensure it is powered on and functioning correctly.

8.2 Climate Control Issues

- **Wiring:** Double-check the wiring connections related to the vehicle's A/C system during installation. Incorrect wiring can lead to improper control.
- **Software Glitch:** If climate control becomes unresponsive, try restarting the unit. If the issue persists, a factory reset might be necessary (note: this will erase user data).
- **Compatibility:** Ensure your specific vehicle model and A/C type (auto or manual) are compatible with the unit's climate control integration.

8.3 Incorrect Time/Date

- **GPS Sync:** Ensure the GPS antenna is properly connected and receiving a signal. The unit often syncs time and date via GPS.
- **Manual Adjustment:** Access the system settings to manually set the date, time, and time zone.
- **Network Time:** If connected to Wi-Fi, ensure the option to synchronize time with the network is enabled in settings.

8.4 Unit Not Powering On

- **Power Connection:** Verify that the main power harness is securely connected.
- **Vehicle Fuse:** Check the vehicle's fuse box for any blown fuses related to the radio or accessory power.
- **Unit Fuse:** Inspect the fuse located on the back of the CUSP unit (refer to Figure 3.2). Replace if blown.

8.5 Steering Wheel Controls Not Working

- **Wiring:** Ensure the steering wheel control wires are correctly connected to the unit's harness.
- **Settings:** Access the unit's settings menu to configure or re-learn the steering wheel controls.

9. WARRANTY AND SUPPORT

The CUSP CV-F632 unit comes with a **1-year warranty** from the date of purchase, covering manufacturing defects.

For technical assistance, troubleshooting, or warranty claims, please contact CUSP Manufacturer Direct customer support. Refer to your purchase documentation or the CUSP brand store on Amazon for the most current contact information.

When contacting support, please have your product model number (CV-F632) and proof of purchase readily available.