

AINAVITO A9T

AINAVITO 9-Inch Car Stereo Radio Replacement for Ford F150 2009-2014 (Model A9T) User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AINAVITO 9-inch Car Stereo Radio Replacement, Model A9T, designed for Ford F150 vehicles manufactured between 2009 and 2014. Please read this manual thoroughly before using the product to ensure proper function and to maximize your user experience.

2. SAFETY INFORMATION

- Always operate the device responsibly and in accordance with local traffic laws. Distracted driving can lead to accidents.
- Do not attempt to disassemble or modify the unit. This may cause damage, electric shock, or fire, and will void the warranty.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- If you are unsure about any installation steps, consult a qualified professional.
- Keep the unit away from water and excessive moisture.

3. PACKAGE CONTENTS

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

- 1x AINAVITO 9-Inch Car Stereo Radio with Frame
- 1x Power Cable (with CANbus for compatible models)
- 1x RCA Cable
- 1x Car Microphone
- 1x GPS Antenna
- 1x Frame Removal Tool
- 1x Rear View 1080P Camera

- 2x USB Cables
- 1x Reversing Control Extension Cable (approximately 16.40 ft)
- 1x Detailed Installation Picture Guide
- 1x Product User Manual (this document)



Image: Overview of the AINAVITO 9-inch car stereo package contents, showing the main unit, frame, various cables, microphone, GPS antenna, 1080P backup camera, and installation tools.

4. PRODUCT OVERVIEW

The AINAVITO 9-inch Car Stereo Radio is an advanced multimedia system designed to upgrade your Ford F150's infotainment capabilities. It features a QLED 1280x720 HD screen, Android 12 operating system, and supports wireless CarPlay and Android Auto.

Key Features:

- **Operating System:** Android 12
- **Memory:** 2GB RAM, 32GB ROM
- **Display:** 9-inch QLED 1280x720 HD screen

- **Connectivity:** Wireless/Wired CarPlay, Android Auto, Bluetooth 5.0, 5G Wi-Fi, AUX, AM/FM
- **Audio:** Built-in DSP, 48-band EQ for customizable sound
- **Navigation:** Integrated GPS with support for online maps
- **Camera:** Includes 1080P AHD backup camera with 170° wide-angle view
- **Control:** Supports original Steering Wheel Controls (SWC)
- **Additional:** Split-screen display, phone mirroring (Airplay for iPhone), multiple UI themes



Image: The AINAVITO 9-inch car stereo main unit, shown with the included backup camera and a smartphone displaying CarPlay and Android Auto interfaces.

5. COMPATIBILITY

This car stereo radio replacement is specifically designed for:

- **Vehicle Model:** Ford F150
- **Model Years:** 2009, 2010, 2011, 2012, 2013, 2014
- **Important Note:** Compatible with vehicles equipped with **Manual AC**. Please verify your vehicle's AC type before installation.



Image: A visual comparison showing the vehicle's dashboard before and after the installation of the AINAVITO car stereo, highlighting compatibility with manual AC controls.

6. SETUP & INSTALLATION

The AINAVITO car stereo is designed for a plug-and-play installation. However, professional installation is recommended if you are not familiar with car audio systems.

Installation Steps:

1. **Preparation:** Disconnect the vehicle's battery before starting any electrical work.
2. **Remove Original Unit:** Carefully remove the factory radio and associated trim from your Ford F150 dashboard. Refer to the included detailed installation picture guide for specific instructions for your vehicle model.
3. **Connect Wiring:** Connect the provided power cables, RCA cables, GPS antenna, and microphone to the new AINAVITO head unit. Ensure all connections are secure. The wiring harness is designed to match your vehicle's factory connectors.
4. **Backup Camera Installation:** Install the 1080P AHD backup camera at the rear of your vehicle. Route the video cable and reversing control extension cable to the head unit and connect them as per the

wiring diagram.

5. **Steering Wheel Controls (SWC):** The unit supports your vehicle's original steering wheel controls. Ensure the CANbus connection (if applicable) is correctly made. Configuration may be required in the unit's settings menu after power-up.
6. **Mount New Unit:** Secure the AINAVITO head unit and frame into the dashboard opening.
7. **Test Functionality:** Reconnect the vehicle's battery. Power on the unit and test all functions, including audio, radio, GPS, Bluetooth, CarPlay/Android Auto, and the backup camera.
8. **Final Assembly:** Reinstall any removed trim pieces.

For visual guidance, please consult the included detailed installation picture guide.

7. OPERATING INSTRUCTIONS

7.1 Basic Operation

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Volume Control:** Adjust volume using the on-screen controls or your vehicle's steering wheel controls.
- **Home Screen:** Tap the Home icon to return to the main interface.

7.2 Connectivity

- **Wireless/Wired CarPlay & Android Auto:** Connect your iPhone or Android smartphone via Bluetooth for wireless connection or USB for wired connection. The system will automatically launch the respective interface. This allows access to navigation, music, calls, and messages directly from your phone.
- **Bluetooth 5.0:** Pair your phone for hands-free calling, phonebook synchronization, and audio streaming. Go to Settings > Bluetooth to enable and pair.
- **5G Wi-Fi:** Connect to a Wi-Fi hotspot (e.g., from your phone) to access online maps, streaming apps, and system updates. Go to Settings > Wi-Fi to connect.
- **Phone Mirroring (Airplay):** For iPhones, use Airplay to mirror your phone's screen onto the stereo display. For Android, use the wired mirroring function.



Image: The car stereo display showcasing the Wireless CarPlay and Android Auto interfaces, demonstrating seamless smartphone integration for navigation, music, and communication.

7.3 Navigation

The unit comes with integrated GPS. Connect to Wi-Fi to download and use online navigation applications for real-time traffic and map updates.

7.4 Audio Settings (DSP & EQ)

Access the built-in Digital Sound Processor (DSP) and 48-band Equalizer (EQ) through the audio settings menu. This allows for precise customization of sound output, including bass, treble, surround sound, and sound field adjustments to match your preferences and vehicle acoustics.

2.5D HD Screen

The third generation high-definition 1280*720 resolution screen has 921600 pixels, which is 50% clearer than the second generation 1024*600 resolution screen.



Image: The car stereo's display illustrating the Built-in DSP and 48-band Equalizer interface, providing extensive options for fine-tuning audio output.

7.5 Backup Camera

When the vehicle is shifted into reverse gear, the display will automatically switch to the 1080P AHD backup camera view, providing a clear, wide-angle image to assist with parking and maneuvering.

Built-in DSP & 48 EQ

Adjustable sound field, effects, surround sound and more, making the bass fuller, the treble smoother and the midrange richer.



Image: The car stereo display showing the clear, wide-angle view from the AHD 1080P backup camera, complete with dynamic parking guidelines.

7.6 Split Screen Display

The split-screen feature allows you to run two applications simultaneously on the display, such as navigation on one side and music playback on the other. To activate, drag an app icon to one side of the screen or use the dedicated split-screen function in the system menu.



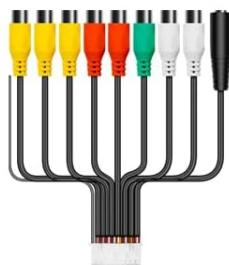
Head Unit



Frame + Head Unit



Power Cable
(Some models with CANbus)



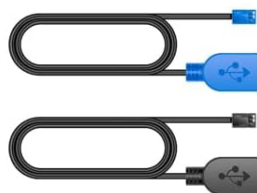
RCA Cable



Car Microphone



GPS Module



2* USB Cable



Reversing Control Cable



1080P Rear View Camera



Frame Removal Tool

Gift

Gift

* The cables of each model may be different, please refer to the actual cable received.

Image: The car stereo display demonstrating the split-screen feature, allowing two applications to be viewed and operated concurrently for enhanced multitasking.

8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. Avoid abrasive cleaners or solvents.
- **Software Updates:** Periodically check for software updates through the system settings to ensure optimal performance and access to new features.
- **Temperature:** Avoid exposing the unit to extreme temperatures, which can affect its lifespan and performance.

9. TROUBLESHOOTING

This section addresses common issues you might encounter. If the problem persists, please contact customer support.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No power/Unit does not turn on	Loose power connection, blown fuse, vehicle battery issue.	Check all power cable connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound	Volume too low, incorrect audio source, loose speaker connections, amplifier issue.	Increase volume. Select correct audio source. Check speaker wiring. Verify external amplifier (if used) is powered.
Steering Wheel Controls not working	Incorrect CANbus connection, SWC settings not configured.	Verify CANbus wiring. Access system settings to configure SWC mapping.
CarPlay/Android Auto not connecting or unstable	Bluetooth/Wi-Fi interference, incorrect phone settings, outdated app.	Ensure phone's Bluetooth/Wi-Fi is on. Restart phone and stereo. Update CarPlay/Android Auto app on phone. Try wired connection.
Backup camera not displaying	Loose camera connection, incorrect wiring for reverse trigger.	Check camera video cable and power connections. Ensure reverse trigger wire is correctly connected to the vehicle's reverse light signal.
Screen lag or unresponsiveness	Too many apps running, low system resources, software glitch.	Close unnecessary applications. Restart the unit. Perform a factory reset if necessary (note: this will erase all user data).

10. SPECIFICATIONS

Feature	Specification
Model Number	A9T
Operating System	Android 12
RAM	2GB
ROM	32GB
Display Size	9 Inches
Screen Resolution	1280x720 HD QLED
Connectivity	Bluetooth 5.0, 5G Wi-Fi, FM+AUX, Wireless/Wired CarPlay, Android Auto, Mirroring
Audio Features	Built-in DSP, 48-band EQ, Surround/Bass Boost/Bass Filter/Sound Field
Backup Camera	1080P AHD, 170° Wide-Angle, IP69 Waterproof
Voice Command	Microphone, Touchscreen

Feature	Specification
Item Weight	4.64 pounds
Package Dimensions	16.65 x 12.99 x 5.2 inches

11. WARRANTY

The AINAVITO 9-inch Car Stereo Radio (Model A9T) comes with a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by improper installation, misuse, accidents, or unauthorized modifications.

12. CUSTOMER SUPPORT

For any questions regarding product use, settings, installation, or troubleshooting that is not covered in this manual, AINAVITO provides professional engineer guidance and 24-hour after-sale service.

To contact support, please follow these steps:

1. Visit the product page on Amazon.
2. Locate the 'Sold By' section, usually displaying 'Speedroad'.
3. Click on the seller's name ('Speedroad') to visit their store or seller profile.
4. Find and click the 'Ask a Question' button to send a message to our support team.

Our engineers will reply to your inquiry within 24 hours.



Image: Visual guide on how to access customer support via the Amazon platform by navigating to the seller's page and using the 'Ask a Question' feature.