

Alpine INE-W970HD

Alpine INE-W970HD Audio/Video/Nav System

Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Alpine INE-W970HD Audio/Video/Nav System. This advanced in-dash unit offers seamless integration with Apple CarPlay and Android Auto, built-in navigation, and a wide array of multimedia features. Please read this manual thoroughly before using the product to ensure proper and safe operation.

2. KEY FEATURES

- **Apple CarPlay & Android Auto Compatibility:** Seamlessly integrate your smartphone for navigation, communication, and entertainment.
- **Built-in Navigation:** Advanced 3D & 2D mapping with turn-by-turn directions.
- **Multimedia Playback:** Supports DVD, AAC, MP3, DivX playback, and HDMI input.
- **Bluetooth Connectivity:** Hands-free calling and audio streaming.
- **USB Connection:** For iPod, iPhone, or USB memory devices.
- **Pre-amp Outputs:** Three 4-Volt pre-amp outputs for system expansion.

3. SETUP AND INSTALLATION

Installation of the Alpine INE-W970HD should ideally be performed by a qualified professional. Incorrect installation can lead to damage to the unit or vehicle's electrical system.

3.1. Pre-Installation Checks

- Ensure the vehicle's battery is disconnected before beginning installation.
- Verify all included components are present: main unit, wiring harness, GPS antenna, microphone, and mounting hardware.
- Consult your vehicle's specific wiring diagram for proper connections.

3.2. Wiring Connections

Connect the main wiring harness to the vehicle's power, ground, and speaker wires. Ensure proper polarity for all speaker

connections. Connect the GPS antenna to the designated port on the rear of the unit and mount it in a location with a clear view of the sky. The microphone should be positioned for optimal voice pickup during hands-free calls.

3.3. Initial Power-Up and Configuration

After installation, reconnect the vehicle battery. The unit will power on. Follow the on-screen prompts for initial setup, including language selection, time zone, and basic audio settings. Refer to the "Operating" section for detailed configuration of features like Apple CarPlay and Android Auto.

4. OPERATING INSTRUCTIONS

4.1. User Interface Overview

The INE-W970HD features a responsive touchscreen display and physical buttons on the left side for quick access to key functions like Navigation, Audio, and Home. The main screen provides access to various sources and settings.



Image: Main screen displaying the Apple CarPlay interface.



Image: All Menus screen, providing access to various audio sources and connectivity options.



Image: Second page of the All Menus screen, showing additional media and input options.

4.2. Apple CarPlay and Android Auto

Connect your compatible iPhone or Android smartphone via USB. The unit will automatically detect and launch the respective interface. Follow on-screen prompts on both the unit and your phone to complete the connection. This allows access to approved apps for navigation, music, messaging, and calls directly from the unit's display.



Image: Screen displaying the Android Auto interface.

4.3. Navigation System

Press the **NAV** button on the side panel or select the Navigation icon from the main menu to access the built-in navigation. Enter destinations using the touchscreen keyboard or voice commands (if supported by the system's current software version). The system provides visual maps and spoken turn-by-turn directions.



Image: Navigation map display with active route guidance.

4.4. Audio Settings

Access audio settings by pressing the **AUDIO** button or selecting the Audio icon. Adjust bass, mid, treble, fader, and balance settings to optimize sound quality for your vehicle's interior. The unit also supports various audio sources including Radio, SiriusXM, Disc, Bluetooth Audio, USB Music, and AUX input.



Image: Audio adjustment screen for tone, fader, and balance.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, dampen the cloth with a small amount of screen cleaner designed for electronics. Do not use abrasive cleaners or solvents.
- **Software Updates:** Periodically check the Alpine support website for firmware updates. Updates can improve performance, add features, and resolve known issues. Follow the instructions provided with the update package carefully.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture. Ensure proper ventilation around the unit.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; Vehicle battery issue.	Check power and ground connections. Inspect vehicle fuses. Ensure battery is charged.
No sound from speakers.	Speaker wires disconnected; Mute function active; Incorrect audio settings.	Verify speaker connections. Check if mute is enabled. Adjust fader/balance settings.
Navigation is slow or inaccurate.	Poor GPS signal; Outdated map data; System overload.	Ensure GPS antenna has clear view of sky. Check for map updates. Perform a system reset (if available).

Problem	Possible Cause	Solution
Apple CarPlay/Android Auto not connecting.	Faulty USB cable; Phone software issue; Unit software issue.	Use a certified USB cable. Restart phone and unit. Check for software updates for both phone and unit.
CD/DVD playback issues (e.g., skipping, not reading folders).	Dirty or scratched disc; Incompatible disc format; Unit mechanism issue.	Clean disc. Ensure disc format is supported (e.g., MP3/4 folder navigation may not be supported). Try a different disc.

If problems persist after attempting these solutions, please contact Alpine customer support or a certified service center.

7. SPECIFICATIONS

- Model:** INE-W970HD
- Brand:** Alpine
- Product Dimensions:** 12 x 12 x 12 inches
- Item Weight:** 6 pounds
- Special Features:** Touchscreen
- Wattage:** 18 watts
- Connectivity Technology:** USB
- Controller Type:** Android
- Compatible Devices:** Smartphone
- Total HDMI Ports:** 1
- Connector Type:** USB, HDMI
- Audio Output Mode:** Stereo
- Surround Sound Channel Configuration:** 4.0
- Video Encoding:** H.264, H.265/HEVC

8. WARRANTY AND SUPPORT

Alpine products are manufactured to high quality standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Alpine website. For technical support, product registration, or service inquiries, please contact Alpine customer service through their official channels. Keep your proof of purchase for warranty claims.

You can find more information and support on the [Alpine Store on Amazon](#).

