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Alpine iLX-F509, KTX-NS01

Alpine iLX-F509 Halo9 Multimedia Receiver and KTX-NS01 Navigation Module Instruction Manual

INTRODUCTION

This manual provides instructions for the Alpine iLX-F509 Halo9 Multimedia Receiver and the Alpine KTX-NS01 USB Plug-In GPS Navigation Module. The iLX-F509 is a 9-inch floating HD touchscreen display designed for in-dash vehicle integration, offering advanced multimedia features. The KTX-NS01 is a compact module that enhances the receiver with dedicated GPS navigation capabilities, including off-road navigation.

SETUP

1. Unpacking and Inspection

Carefully unpack all components and verify that all items are present. Inspect for any signs of damage during transit. If any items are missing or damaged, contact your dealer immediately.

2. Installation of iLX-F509 Halo9 Multimedia Receiver

The Alpine iLX-F509 features an adjustable floating style display with a 1-DIN chassis. Professional installation is highly recommended for car electronics to ensure proper wiring and vehicle integration. Refer to the detailed installation guide provided separately with the product for specific wiring diagrams and mounting instructions.



Image: Front view of the Alpine iLX-F509 Halo9 Multimedia Receiver, showcasing its 9-inch floating HD touchscreen display.

3. Connecting the KTX-NS01 Navigation Module

The KTX-NS01 navigation module plugs into a compatible USB port on the Alpine iLX-F509 receiver via an included 10cm cable. It utilizes the Alpine radio antenna and a GPS Satellite connection for navigation functionality. Ensure a secure connection for reliable performance.



Image: The Alpine KTX-NS01 USB Plug-In GPS Navigation Module, a compact device designed to add navigation capabilities.

4. Initial Power-On and Configuration

After installation, power on the vehicle and the receiver. Follow the on-screen prompts for initial setup, including language selection and basic audio settings. The KTX-NS01 module will automatically initialize upon

connection.

5. Smartphone Integration

- **Apple CarPlay (Wired & Wireless):** Connect your iPhone via USB or wirelessly through Bluetooth and Wi-Fi. Follow the prompts on the receiver and your iPhone to enable CarPlay.
- **Android Auto (Wired & Wireless):** Connect your Android phone via USB or wirelessly. Ensure Android Auto is installed on your phone and follow the on-screen instructions.
- **Bluetooth Pairing:** For hands-free calling and audio streaming, navigate to the Bluetooth settings on the iLX-F509 and pair your smartphone.

OPERATING INSTRUCTIONS

1. iLX-F509 Halo9 Multimedia Receiver Functions

- **Touchscreen Interface:** The 9-inch HD touchscreen allows for intuitive control of all functions. Swipe, tap, and pinch-to-zoom for navigation and media control.
- **Audio Playback:** Supports Hi-Res Audio Playback (96kHz / 24bit). Access various audio sources including radio (HD Radio built-in, SiriusXM-Ready), USB media, and Bluetooth audio streaming.
- **Sound Customization:** Utilize the on-board 13-band parametric EQ per channel for continuous frequency control to fine-tune your audio experience.
- **Apple CarPlay & Android Auto:** Once connected, access smartphone features like music, messages, phone calls, and maps directly from the receiver's display using touch or voice commands via the included external microphone.
- **Bluetooth Hands-Free:** Make and receive calls safely while driving.



Image: The Alpine iLX-F509 display showing the Apple CarPlay interface with various app icons.

2. KTX-NS01 Navigation Module Functions

- **iGo Primo Nextgen Software:** The module uses iGo Primo Nextgen navigation software for detailed mapping and routing.
- **Off-Road Navigation:** Includes a FunTreks trailhead POI database for off-road adventures.
- **Turn-by-Turn Directions:** Voice prompts guide you with turn-by-turn directions.
- **Map Interface:** Use the pinch-to-zoom gesture on the receiver's touchscreen to adjust the map view.
- **Status LED:** The module features a Status LED Loop to signal on/off status and updates.
- **Important Note:** The KTX-NS01 navigation module cannot be used in conjunction with Apple CarPlay or Android Auto simultaneously. You must switch between these modes as needed.

MAINTENANCE

1. Screen Cleaning

To clean the touchscreen, gently wipe it with a soft, dry, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals, abrasive materials, or excessive moisture.

2. General Care

- Keep the unit free from dust and debris.
- Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- Ensure all connections remain secure.

3. Software Updates

Periodically check the Alpine website for firmware updates for both the iLX-F509 receiver and the KTX-NS01 navigation module to ensure optimal performance and access to new features.

TROUBLESHOOTING

No Power / Unit Not Turning On

- Check all power connections and fuses.
- Ensure the vehicle's ignition is on.

No Audio Output

- Verify speaker connections.
- Check volume levels and mute settings.
- Ensure the correct audio source is selected.

Navigation Module Not Functioning

- Ensure the KTX-NS01 module is securely plugged into the USB port.
- Check the module's Status LED for activity.
- Confirm that Apple CarPlay or Android Auto are not active, as the navigation module cannot operate simultaneously with them.
- Ensure the vehicle has a clear view of the sky for GPS satellite reception.

Apple CarPlay / Android Auto Not Connecting

- Ensure your smartphone is compatible and has the latest operating system updates.
- For wired connection, try a different USB cable.
- For wireless connection, verify Bluetooth and Wi-Fi are enabled on your phone and paired with the receiver.
- Restart both the receiver and your smartphone.

General Issues

- If the unit behaves erratically, try resetting it to factory defaults (refer to the iLX-F509 user manual for specific instructions).
- For persistent issues, contact Alpine customer support or your authorized dealer.

SPECIFICATIONS

Feature	Specification
Product Dimensions (iLX-F509)	19 x 9 x 15 inches (19"D x 9"W x 15"H)
Item Weight (iLX-F509)	9 pounds
Item Model Number	AlpineBDL220406-11
Brand	Alpine
Connectivity Technology	Wi-Fi
Controller Type	Android
Special Feature	Touchscreen
Compatible Devices	Smartphone
Supported Internet Services	SiriusXM
Control Method	Voice
Audio Output Type	Speakers
KTX-NS01 Dimensions	3.25" x 1" x 1"
KTX-NS01 Navigation Software	iGo Primo Nextgen
KTX-NS01 Off-Road Feature	FunTreks trailhead POI database

WARRANTY INFORMATION

For detailed warranty information regarding your Alpine iLX-F509 Halo9 Multimedia Receiver and KTX-NS01 Navigation Module, please refer to the warranty card included with your product or visit the official Alpine website. Warranty terms and conditions may vary by region and product.

CUSTOMER SUPPORT

If you require further assistance, technical support, or have questions not covered in this manual, please

contact Alpine customer support. You can find contact information and additional resources on the official Alpine website: www.alpine-usa.com.