

Inefala 8 Cores 4+64G

Inefala Android 15 Radio for Opel Astra (2004-2010) User Manual

Model: 8 Cores 4+64G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Inefala Android 15 Radio for Opel Astra (2004-2010). Please read this manual thoroughly before using the product to ensure proper function and safety.

2. SAFETY INFORMATION

- Ensure the vehicle is turned off and the battery is disconnected before installation to prevent electrical shorts or damage.
- Professional installation is recommended for optimal performance and safety.
- Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Use only specified power cables and accessories.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Inefala Android 15 Radio Unit
- Power Cable
- Canbus Box
- RCA Cable
- GPS Antenna
- Rear View Camera Input Cable
- AHD Emergency Camera

- External Microphone
- 2 USB Cables
- Mounting Bracket
- Installation Tool

4. SETUP AND INSTALLATION

This section outlines the general steps for installing your Inefala Android 15 Radio. Specific vehicle disassembly instructions are not included and may vary.

4.1 Pre-Installation Check

Before beginning, ensure your Opel Astra (2004-2010) dashboard is compatible with the 9-inch screen unit. The image below illustrates the visual transformation after installation.



Image: Comparison of the Opel Astra dashboard before and after the Inefala Android Radio installation, showing the integrated 9-inch display.

4.2 Wiring Connections

1. **Power Cable:** Connect the main power harness to the vehicle's wiring and the radio unit. Ensure correct polarity.
2. **Canbus Box:** Integrate the Canbus box as per the vehicle's wiring diagram to enable steering wheel controls and other vehicle data communication.
3. **RCA Cables:** Connect RCA cables for external amplifiers or additional audio/video inputs/outputs if desired.
4. **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield. Connect it to the radio unit.
5. **Rear View Camera:** Connect the AHD Emergency Camera and its input cable to the designated port on the radio. Ensure the reverse trigger wire is connected to automatically display the camera feed when reversing.
6. **External Microphone:** Connect the external microphone for improved call quality. Position it near the driver for optimal voice pickup.
7. **USB Cables:** Connect the two USB cables for data transfer, charging, and connecting external devices. Route them to an accessible location.

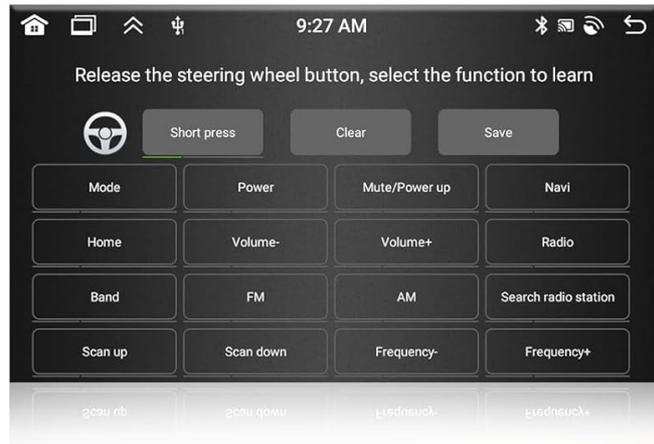
4.3 Steering Wheel Control (SWC) Learning Function

After installation, configure the steering wheel controls:

1. Navigate to the 'Steering Wheel Control' settings menu on the radio.
2. Follow the on-screen instructions to assign functions to each button on your steering wheel. Typically, this involves pressing a button on the steering wheel and then selecting the corresponding function on the radio's screen.
3. Save the settings once all desired buttons are configured.

Steering Wheel Control

Control the desired function with the steering wheel button function



AHD Reversing Image

View the video on the radio screen while reversing



Image: Top panel shows the interface for configuring steering wheel controls. Bottom panel shows the display of the AHD reversing camera feed on the radio screen.

5. OPERATING INSTRUCTIONS

5.1 Basic Navigation and User Interface

The unit features a 9-inch high-resolution screen with 59 desktop themes and 19 wallpaper options for personalization. Navigate through menus by tapping icons on the touchscreen.

19 Wallpaper Options



59 Desktop Themes



Image: Top panel displays various wallpaper options. Bottom panel showcases different desktop themes available for customization on the radio unit.

5.2 Wireless CarPlay / Android Auto / Mirror Link

Connect your smartphone to the radio unit for seamless integration:

- **Wireless CarPlay/Android Auto:** Connect your iPhone or Android phone wirelessly via Bluetooth and Wi-Fi hotspot. This allows access to navigation, music, calls, and messages directly from the radio screen.
- **Mirror Link:** Mirror your phone's screen onto the radio display via USB cable or Wi-Fi, enabling you to view and control your phone's content.

Wireless Carplay / Android Auto / Mirror Link

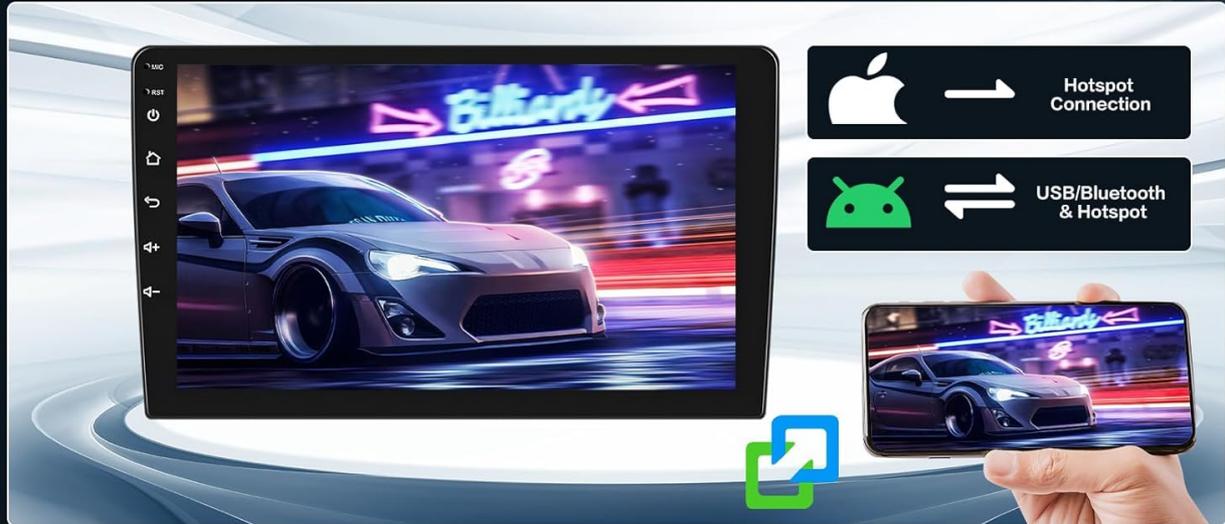


Image: Demonstrates the connectivity options including Wireless CarPlay, Android Auto, and Mirror Link, showing phone screen content displayed on the car radio.

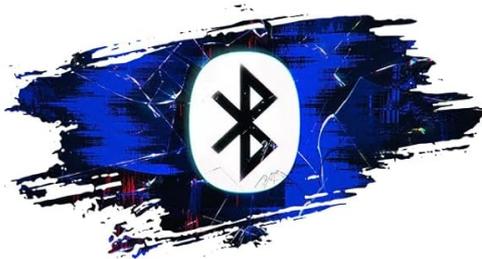
5.3 Bluetooth 5.0

The unit supports Bluetooth 5.0 for hands-free calling and audio streaming.

- **Pairing:** Enable Bluetooth on your smartphone and search for the radio unit. Select the unit to pair.
- **Hands-free Calling:** Make and receive calls directly from the radio screen. Access your phonebook and call history.
- **Bluetooth Music:** Stream audio from your phone to the car speakers.

Hands-free Bluetooth

Supports hands-free calling, phonebook downloads and music playback



- BT Call
- BT Music
- Phonebook



FM/RDS Radio

Channel broadcasts, weather forecasts and real-time traffic conditions are available



Image: Top panel shows the hands-free Bluetooth interface for calls and music. Bottom panel displays the FM/RDS radio tuning interface with station presets.

5.4 FM/RDS Radio

Access local radio stations with FM and RDS (Radio Data System) functionality.

- **Tuning:** Use the touchscreen to scan for stations or manually tune to a specific frequency.
- **Presets:** Save your favorite stations for quick access.
- **RDS:** View station information, program type, and real-time traffic conditions where available.

5.5 GPS Navigation and WiFi

The unit supports GPS navigation and Wi-Fi connectivity.

- **GPS Navigation:** Utilize pre-installed offline maps or download online navigation apps via Wi-Fi. The unit is compatible with popular navigation software like Waze.
- **WiFi Connectivity:** Connect to a Wi-Fi hotspot to download apps from the Play Store, stream music/videos, and browse the internet.

GPS Navigation

Navigation software such as Waze and free offline maps can be used



WiFi or Hotspot

Download apps from the Play Store such as YouTube, Tiktok, etc



Image: Top panel illustrates GPS navigation with map display and route information. Bottom panel shows the interface for connecting to Wi-Fi or a hotspot and downloading various applications.

5.6 DSP Sound Settings

The integrated 32-band EQ DSP (Digital Signal Processor) allows for advanced audio customization.

- Access the DSP settings menu to adjust equalizer bands, balance, fader, and other sound effects to optimize your audio experience.

5.7 AHD Rear View Camera

The included AHD camera provides a clear view of the area behind your vehicle.

- When the vehicle is shifted into reverse gear, the radio screen will automatically display the camera feed.
- The camera is waterproof and designed for clear visibility day and night.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the screen and unit. For stubborn marks, a slightly damp cloth with a mild cleaning solution can be used, ensuring no liquid enters the unit.

- **Software Updates:** Periodically check for software updates via the system settings menu to ensure optimal performance and access to new features. Updates can typically be downloaded via Wi-Fi.
- **Data Backup:** Regularly back up important data or settings if available, especially before major software updates.

7. TROUBLESHOOTING

- **No Power:** Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:** Verify speaker connections. Check volume levels and DSP settings. Ensure no audio source is muted.
- **GPS Signal Loss:** Ensure the GPS antenna is properly connected and has a clear view of the sky. Move the vehicle to an open area if necessary.
- **Bluetooth Pairing Issues:** Ensure Bluetooth is enabled on both the radio and your smartphone. Delete previous pairings and try again.
- **Steering Wheel Controls Not Working:** Re-perform the SWC learning function as described in Section 4.3. Check Canbus box connection.
- **Rear Camera Not Displaying:** Check the camera's power and video input cable connections. Ensure the reverse trigger wire is correctly connected.
- **Unit Freezes/Unresponsive:** Perform a soft reset by pressing the reset button (if available) or by turning off the vehicle's ignition and restarting.

8. SPECIFICATIONS

Feature	Description
Model	Inefala-A7362A3453H1MI2IT53-C490
Operating System	Android 15 (as per product title)
Processor	8 Core
RAM	4GB
Internal Storage	64GB
Screen Size	9 Inch
Screen Resolution	1280 x 720
Connectivity	Bluetooth 5.0, USB, Wi-Fi
Special Features	Wireless CarPlay, Android Auto, Mirror Link, FM RDS Radio, 32EQ DSP, GPS, SWC, AHD Rear View Camera Support
Audio Output Mode	MP4/WMA/WAV/APE/FLAC
Speaker Surround Sound	4 Channel

Output Power	45 Watts
Compatible Devices	Smartphone
Item Weight	1.75 Kilograms

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Inefala customer service. Keep your proof of purchase for warranty claims.