

XTRONS IA82A3ALS

XTRONS IA82A3ALS GPS Car Radio User Manual

Model: IA82A3ALS | Brand: XTRONS

PRODUCT OVERVIEW

The XTRONS IA82A3ALS is an advanced 8-inch HD GPS car radio system engineered for a seamless fit in Audi A3 vehicles manufactured between 2003 and 2012. Running on Android 13 with an Octa-Core processor, 4GB RAM, and 64GB ROM, this unit offers robust performance for navigation, entertainment, and connectivity. It integrates modern features such as wireless Apple CarPlay, Android Auto, and 4G internet access, enhancing the in-car experience.

KEY FEATURES

- **Operating System:** Android 13
- **Processor:** Octa-Core Cortex A75
- **Memory:** 4GB RAM, 64GB ROM
- **Display:** 8-inch HD (1280x720) IPS Touchscreen
- **Smartphone Integration:** Integrated Wireless Apple CarPlay and Android Auto
- **Audio Processing:** Built-in DSP (Digital Signal Processor)
- **Radio:** RDS Radio Functionality
- **Amplifier:** High Power Amplifier
- **Navigation:** GPS, BDS, GLONASS Support
- **Connectivity:** Wi-Fi and 4G (SIM card reader included)
- **Bluetooth:** For hands-free calling and audio streaming
- **USB:** Playback up to 128GB
- **Screen Mirroring:** Wireless mirroring from compatible smartphones
- **Vehicle Integration:** Steering Wheel Control Support, Dual-channel Canbus Integration (maintains on-board display information)
- **Expandability:** DAB+ Ready (DAB box sold separately), OBD2 Diagnostic Ready (OBD box sold separately), TPMS Ready (TPMS kit sold separately)
- **Audio Output:** Coaxial Audio Output

PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged. The standard package for the XTRONS IA82A3ALS typically includes the following items:

- XTRONS IA82A3ALS Head Unit
- Main Power Harness
- CANbus Decoder
- GPS Antenna
- 4G Antenna
- USB Cables
- RCA Output Cables
- External Microphone (if included in specific bundle)
- Installation Brackets and Screws
- User Manual



Figure 1: Complete package contents of the XTRONS IA82A3ALS car radio system.

INSTALLATION GUIDE (SETUP)

This section provides general guidance for installing the XTRONS IA82A3ALS unit in your Audi A3 (2003-2012). Professional installation is recommended.



Figure 2: XTRONS IA82A3ALS installed in an Audi A3 dashboard.

Pre-Installation Checklist

- **Vehicle Compatibility:** Confirm your Audi A3 model is within the 2003-2012 range.
- **Safety First:** Disconnect the vehicle's negative battery terminal before beginning any electrical work.
- **Tools:** Gather necessary tools including trim removal tools, screwdrivers, and wire cutters/strippers.
- **Dimensions:** Refer to the unit's dimensions to ensure proper fitment.



Figure 3: Dimensions of the XTRONS IA82A3ALS unit.

Wiring Connections

1. **Remove Existing Unit:** Carefully remove the factory car radio and any associated trim.
2. **Connect Main Harness:** Connect the provided main power harness and CANbus decoder to the vehicle's wiring. Ensure all connections are secure.
3. **Antennas:** Connect the GPS antenna and 4G antenna. Position the GPS antenna in a location with a clear view of the sky (e.g., dashboard).
4. **USB & Aux:** Route the USB cables and any auxiliary input/output cables to desired locations (e.g., glove compartment).
5. **External Microphone:** If using an external microphone, connect it to the designated port and route it to a suitable location for clear voice pickup.
6. **Optional Connections:** Connect any optional accessories such as DAB+ box, OBD2 dongle, TPMS kit, or reverse camera (sold separately).

Mounting the Unit

1. Carefully slide the XTRONS unit into the dashboard opening, ensuring no wires are pinched.
2. Secure the unit using the provided installation brackets and screws.
3. Reinstall any removed trim pieces.
4. Reconnect the vehicle's negative battery terminal.
5. Test the unit's functionality before fully reassembling the dashboard.

OPERATING INSTRUCTIONS

Basic Operation

- **Power On/Off:** Press and hold the power button located on the unit's front panel to turn the unit on or off.
- **Touchscreen Navigation:** The unit features an intuitive touchscreen interface. Tap icons to open applications, swipe left or right to navigate between home screens.
- **Volume Control:** Adjust audio volume using the physical volume buttons or the on-screen controls.



Figure 4: Main application menu screen.

Radio Function

Access the 'Radio' application from the main menu. You can manually tune to frequencies, perform an automatic scan for available stations, and save your favorite stations as presets. The unit supports RDS (Radio Data System) for displaying station information.



Figure 5: Radio interface.

Navigation (GPS)

Open the 'Navigation' application. Ensure the GPS antenna is properly connected and positioned for optimal signal reception. The unit supports various navigation software (pre-installed or downloadable) and utilizes GPS, BDS, and GLONASS for accurate positioning.



Figure 6: Navigation map display.

Bluetooth Connectivity

To pair your mobile device, go to 'Settings' > 'Bluetooth'. Enable Bluetooth on your phone and search for the XTRONS unit. Once paired, you can make/receive hands-free calls and stream audio directly to the unit.

Apple CarPlay & Android Auto

The unit supports both wireless Apple CarPlay and wired/wireless Android Auto. Connect your compatible smartphone to access navigation, music, messages, and more directly on the unit's screen, optimized for in-car use.



Figure 7: Smartphone connection options (CarPlay, Android Auto, Screen Mirroring).

Screen Mirroring

Utilize the Screen Mirroring function to display your smartphone's screen content directly onto the XTRONS unit via Wi-Fi connection. This allows for viewing apps, videos, and photos from your phone on the larger display.

Internet Connection (Wi-Fi & 4G)

Connect the unit to the internet via Wi-Fi by tethering to a mobile hotspot or a home network. Alternatively, insert a 4G SIM card into the designated slot (if available on your model) for direct cellular data access.

MAINTENANCE

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the screen and the unit's exterior. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the display or finish.
- **Software Updates:** Periodically check for and install system software updates. These updates can improve performance, add new features, and resolve potential issues. Updates are typically available via Wi-Fi or USB.
- **Anti-Overheating:** The unit is equipped with an anti-overheating device. Ensure that the ventilation openings are not blocked to allow for proper heat dissipation, especially during prolonged use or in hot environments.
- **Environmental Conditions:** Avoid exposing the unit to extreme temperatures, direct sunlight for extended periods, or excessive moisture.

TROUBLESHOOTING

This section addresses common issues you might encounter and provides potential solutions.

Problem	Possible Cause	Solution
Unit does not power on	Loose power connection; Blown fuse; Vehicle battery low.	Check all power cables and connections. Inspect vehicle fuses. Ensure vehicle battery is charged.
No sound from speakers	Incorrect speaker wiring; Volume too low; Mute function active.	Verify speaker connections. Increase volume. Check if unit is muted.
GPS signal weak or lost	GPS antenna not connected; Antenna placed in poor location; Environmental interference.	Ensure GPS antenna is securely connected. Relocate antenna to a position with clear view of the sky.
Bluetooth pairing issues	Device not in pairing mode; Interference; Unit's Bluetooth off.	Ensure your mobile device is in pairing mode. Restart both devices. Check Bluetooth settings on the unit.
Apple CarPlay/Android Auto not working	Incorrect USB cable; Phone software outdated; Unit firmware outdated.	Use a certified USB cable (for wired connection). Update your phone's OS. Check for unit firmware updates.
Touchscreen unresponsive	Temporary software glitch; Screen damage.	Restart the unit. If issue persists, contact support.

TECHNICAL SPECIFICATIONS

Detailed specifications for the XTRONS IA82A3ALS unit:

Feature	Detail
Brand	XTRONS
Model Number	IA82A3ALS
Screen Size	8 Inches
Screen Resolution	1280x720 HD
Operating System	Android 13
Processor	Octa-Core Cortex A75
RAM	4GB
ROM	64GB
Connectivity	Bluetooth, USB, Wi-Fi, 4G

Feature	Detail
Special Features	Android Auto, Apple CarPlay, Built-in DSP, RDS, IPS Screen, High Power Amplifier
GPS Support	GPS, BDS, GLONASS
Control Method	Touch
Audio Output Type	Bluetooth, USB, HDMI
Number of Channels	5
HDMI Ports	1
Manufacturer	XTRONS
Date of First Availability	January 24, 2024

WARRANTY AND SUPPORT

Information regarding the specific warranty period for the XTRONS IA82A3ALS is not provided in this manual. For detailed warranty terms and conditions, please refer to the warranty card included with your product, visit the official XTRONS website, or contact your authorized retailer.

For technical support, troubleshooting assistance beyond this manual, or inquiries about spare parts, please contact XTRONS customer service or your point of purchase. When contacting support, please have your product model number (IA82A3ALS) and purchase date readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question