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› AMprime Android 15 Car Radio Stereo User Manual for Hyundai Santa Fe IX45 (2013-2018), Model 6+128G

AMprime 6+128G

AMprime Android 15 Car Radio Stereo User Manual

For Hyundai Santa Fe IX45 (2013-2018) - Model: 6+128G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMprime Android 15 Car Radio Stereo. This unit is specifically designed for Hyundai Santa Fe IX45 models manufactured between 2013 and 2018. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. COMPATIBILITY AND PACKAGE CONTENTS

2.1 Vehicle Compatibility

This car stereo is compatible with Hyundai Santa Fe IX45 models from 2013 to 2018. It is crucial to verify your vehicle's central control panel matches the compatible design shown in the image below. This product supports only Option A, which features a specific button layout and screen housing.

For Hyundai Santa Fe IX45 2013-2018



Before purchasing, please select the product based on your original car's central control panel. This product only supports Option A.



Wrong Vehicle Model



The Correct Model



Figure 2.1: Vehicle Compatibility Check. Ensure your car's central control panel matches 'The Correct Model' (Option A) on the right. The model on the left is incompatible.

2.2 Package Contents

The package includes the following components:

- Main Head Unit (9-inch touchscreen)
- Power Cable
- 4/6 Pin USB Cable
- GPS Antenna
- Rear Camera Input Cable
- RCA Cable Set
- Microphone
- Rear Camera (AHD Backup Camera)
- Installation Tools
- Mounting Parts/Brackets
- User Manual (this document)

Packing List & Size

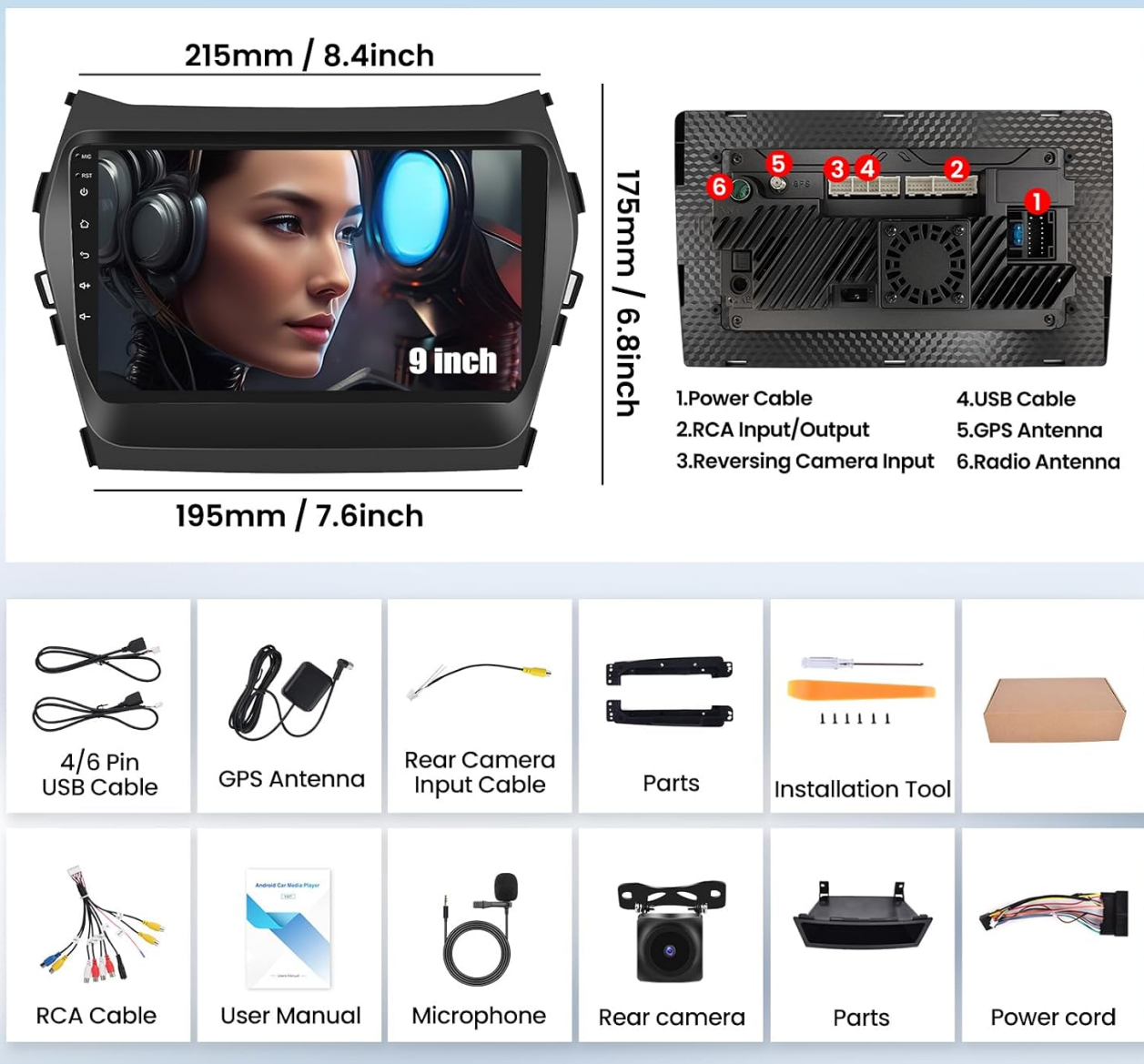


Figure 2.2: Packing List and Unit Dimensions. This image displays all included accessories and the physical dimensions of the head unit.

3. SETUP AND INSTALLATION

Professional installation is recommended for this car stereo system. Incorrect wiring or installation can damage the unit or your vehicle's electrical system. Ensure the vehicle's battery is disconnected before beginning installation.

3.1 Wiring Connections

1. **Power Cable:** Connect the main power harness to your vehicle's wiring. Ensure all connections are secure and correctly matched (e.g., constant power, accessory power, ground).
2. **USB Cables:** Connect the provided USB cables for external device connectivity.
3. **RCA Input/Output:** Use the RCA cables for connecting external amplifiers, subwoofers, or other audio/video devices.
4. **Reversing Camera Input:** Connect the dedicated cable for the AHD backup camera.
5. **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or

under the windshield, to ensure optimal signal reception.

6. **Radio Antenna:** Connect your vehicle's existing radio antenna to the unit.
7. **Microphone:** Connect the external microphone for improved call quality during hands-free operation.

3.2 Physical Installation

Carefully remove the original car radio and install the new AMprime unit using the provided mounting brackets and installation tools. Ensure all cables are routed safely and do not interfere with vehicle operation. Secure the unit firmly in the dashboard.

4. OPERATING INSTRUCTIONS

The AMprime car stereo runs on Android 15, offering a wide range of features and customization options.

4.1 Wireless CarPlay & Android Auto

This unit supports both wireless Apple CarPlay and Android Auto. To connect:

1. Ensure Bluetooth is enabled on your smartphone and the car stereo.
2. On your phone, search for and pair with the car stereo's Bluetooth name.
3. Once paired, the system should prompt you to activate CarPlay or Android Auto. Follow the on-screen instructions.

This feature allows you to access phone calls, navigation, music, and other compatible applications directly from the car stereo's display, controlled via Siri/Google Assistant.



Figure 4.1: Wireless Connectivity Options. This image shows how to connect iOS devices via CarPlay, Android devices via Android Auto, and both via Mirror Link.

4.2 Mirror Link

The unit supports Mirror Link for both iOS and Android devices. This allows you to project your phone's screen content onto the car stereo display. Connect your phone via Bluetooth and follow the Mirror Link application instructions on the head unit.

4.3 GPS Navigation & WiFi Connectivity

The car stereo has a built-in WiFi module and supports both online and offline navigation. It comes with a pre-installed offline map of North America.

- **Offline Maps:** Access the pre-installed navigation application for offline use.
- **Online Maps:** Connect the unit to a WiFi hotspot (e.g., from your smartphone) to use online navigation services and download additional map data.
- **App Installation:** You can install or delete Android applications from the Application Store, similar to a smartphone, when connected to WiFi.

8 Core Android 15 & WiFi & GPS



Figure 4.2: System Overview. This image highlights the Android 15 operating system, 8-core CPU, 6GB RAM, 128GB ROM, and GPS/WiFi capabilities.

4.4 Bluetooth & FM/RDS Radio

- **Bluetooth:** Pair your mobile phone via Bluetooth for hands-free calling and audio streaming. You can answer/hang up calls and play music directly from your phone through the car stereo.
- **FM/RDS Radio:** The built-in FM tuner with RDS (Radio Data System) provides clear radio reception. Scan for stations and enjoy broadcast information where available.



Figure 4.3: Audio and Communication Features. This image details the FM/RDS radio interface, DSP sound customization, and Bluetooth hands-free calling and music streaming.

4.5 DSP & HiFi Audio

Utilize the integrated DSP (Digital Signal Processor) tuning software to customize your audio experience. You can adjust frequency, AE (Acoustic Environment), 36-band equalization, and sound type selections to optimize sound quality and compensate for original car speaker characteristics.

4.6 Steering Wheel Control (SWC)

The unit supports your vehicle's steering wheel controls. After installation, you may need to configure the SWC settings in the unit's menu. This allows you to control functions like switching songs, adjusting volume, and answering calls without taking your hands off the steering wheel.

4.7 AHD Backup Camera & 360° Panoramic Imaging

- **AHD Backup Camera:** The included AHD rear view camera provides high-definition images, is waterproof, offers excellent night vision, and a wide field of view for safer reversing.
- **360° Panoramic Imaging:** The system supports 360° panoramic imaging to eliminate blind spots. **Note:** This

feature requires dedicated cameras which are not included with the unit.



Figure 4.4: Safety and Control Features. This image demonstrates the AHD backup camera's clear view and the interface for programming steering wheel controls.

5. MAINTENANCE

- **Screen Cleaning:** Use a soft, lint-free cloth to clean the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **Software Updates:** Periodically check for software updates via the unit's settings menu when connected to WiFi to ensure optimal performance and access to new features.
- **General Care:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods. Ensure all connections remain secure.

6. TROUBLESHOOTING

If you encounter issues with your AMprime car stereo, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Incorrect power wiring; Blown fuse; Loose connection	Check all power connections. Verify vehicle fuses. Ensure the main power cable is securely connected.
No sound	Volume too low; Mute activated; Speaker wiring issue; DSP settings	Increase volume. Check if mute is active. Verify speaker connections. Reset DSP settings to default if recently changed.
Steering Wheel Controls not working	Incorrect wiring; Not programmed	Ensure SWC wires are correctly connected. Access the SWC learning interface in the unit's settings and program each button.
GPS signal weak or lost	GPS antenna placement; Obstruction	Ensure GPS antenna is mounted in a clear location with an unobstructed view of the sky. Check antenna connection.
Touchscreen unresponsive in cold weather	Extreme low temperatures affecting capacitive screen	Allow the vehicle interior to warm up. The screen should regain responsiveness as temperatures rise.
Backup camera not displaying	Incorrect camera wiring; Faulty camera; Loose connection	Check the reversing camera input cable connection. Ensure the camera is receiving power. Verify camera functionality.
CarPlay/Android Auto not connecting	Bluetooth not paired; App issues; Phone compatibility	Ensure Bluetooth is on and paired. Restart phone and car stereo. Check for app updates on your phone.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Specification
Operating System	Android 15
Display Size	9 Inches
Display Resolution	1280*720
Processor	8-Core CPU
RAM	6GB
Internal Storage (ROM)	128GB
Connectivity	Bluetooth, WiFi
Navigation	GPS (Online/Offline Maps)

Feature	Specification
Audio Features	DSP, HiFi, 36-band Equalization
Radio Tuner	FM/RDS
Special Features	Wireless CarPlay, Android Auto, Mirror Link, Steering Wheel Control (SWC), AHD Backup Camera Support, 360° Panoramic Imaging Support (requires additional cameras)
Parcel Dimensions	24 x 22 x 9 cm; 1.3 kg
Manufacturer	AMprime
Country of Origin	China

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This AMprime car stereo unit comes with a **1-year warranty** from the date of purchase. The warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact AMprime customer support through the retailer where the product was purchased. Provide your product model number (6+128G) and purchase details for efficient service.