

Nunoo 8 Core 4+32G

Nunoo 8 Core 4+32G Car Radio User Manual

For Toyota Corolla Models: 2009, 2010, 2011, 2012, 2013

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Nunoo 8 Core 4+32G Car Radio. This car stereo system is designed specifically for Toyota Corolla models manufactured between 2009 and 2013, offering advanced features such as wireless CarPlay, Android Auto, a 9-inch IPS touchscreen, and integrated DSP audio processing.



Figure 1.1: Overview of the Nunoo 8 Core 4+32G Car Radio features and compatibility.

2. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- Car Radio with Frame
- Rear View Camera

- Power Cable
- RCA Cable
- 4P USB Cable
- 6P USB Cable
- Rear View Input Cable
- GPS Antenna
- Cleaning Cloth
- User Manual (this document)

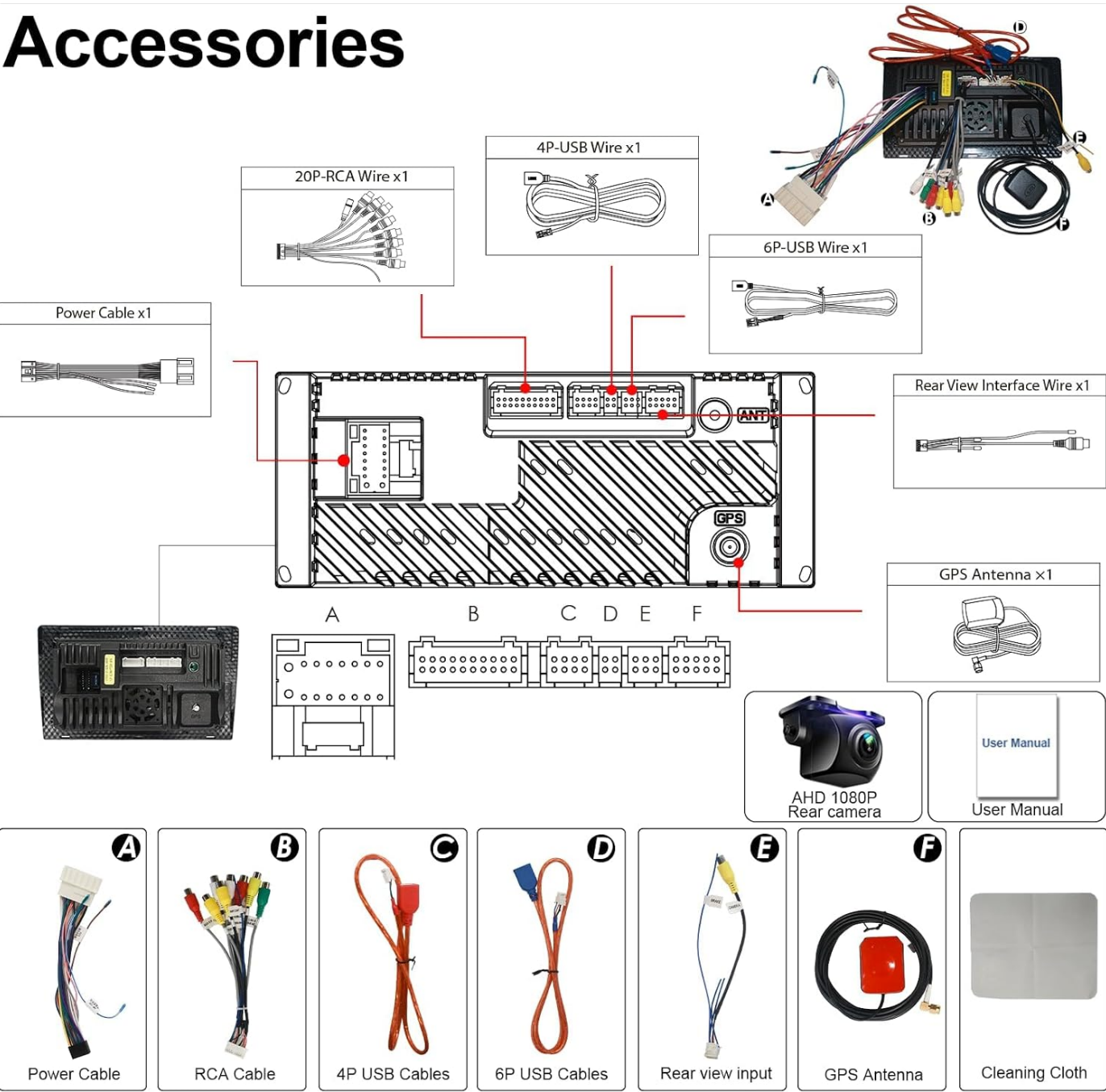


Figure 2.1: All cables and accessories included with your car radio.

3. SETUP AND INSTALLATION

3.1 Vehicle Compatibility Check

Ensure your vehicle's original equipment manufacturer (OEM) radio matches the configurations shown below for proper

fitment. If you are uncertain, consult a professional or contact support with images of your car's center console.

Make Sure Your OEM Radio Matches The Photos



Note: The car model and year are for reference only. Please confirm the shape and size of the center console before buying this car radio. If you are not sure our car radio can fit your car, you can send messages or picture to us, we will give you advice.

Figure 3.1: Verify your OEM radio matches these examples for compatibility.

3.2 Physical Installation

1. Carefully remove your existing car radio and trim panels. Refer to your vehicle's service manual for specific instructions.
2. Connect the provided wiring harness to the car radio and your vehicle's existing wiring. Ensure all connections are secure.
3. Mount the new Nunoo car radio into the dashboard opening. The frame is designed for a precise fit in compatible Toyota Corolla models.
4. Reinstall any removed trim panels.

High-end 8 Core car stereo with 4+32G For Toyota Corolla 2009-2013

8-core high-speed operation speed, larger memory and better user experience!

BEFORE

AFTER



Figure 3.2: Visual comparison of the dashboard before and after installation.

3.3 Camera Connection

The included AHD backup camera requires specific wiring for proper functionality:

- Connect the camera's video output to the "Rear View Input" on the car stereo.
- Connect the camera's red power wire to the positive lead of your vehicle's reverse light.
- Connect the camera's black ground wire to a suitable metal ground point on the vehicle chassis.

Power Cable



RCA Cable



4P USB Cables



6P USB Cables



Rear view input



Camera



GPS Antenna



Cleaning Cloth



- ① Car Stereo
- ② Camera Power Source
- ③ Rear-view Camera



Connect

Red Wire to power+
Reversing lamp

Click to

100

+

Camera Po

Power Cable

Link to B

Connect the Red



At the Power Cable Port of the Camera

able to
camera

Figure 3.3: Detailed diagram for connecting the rear view camera.

4. OPERATING INSTRUCTIONS

4.1 Basic UI Navigation

The 9-inch IPS touchscreen provides intuitive control. Swipe left or right to access different application screens. Tap icons to launch applications or settings.

A tablet device is shown, displaying the iOS home screen. The screen features a grid of app icons: Phone, Music, Maps, Messages (with a red badge showing '297'), Now Playing, Car, Podcasts, and Audiobooks. The status bar at the top shows the time as 10:12, signal strength, and battery level. The tablet has a black bezel and a visible hinge mechanism on the left side.



Figure 4.1: Examples of customizable user interface themes.

4.2 Wireless CarPlay and Android Auto

Connect your smartphone wirelessly via Bluetooth or Wi-Fi to access CarPlay or Android Auto. This allows for navigation, calls, music playback, and messaging directly from the car radio's screen.

- **Wireless Connection:** Ensure Bluetooth and Wi-Fi are enabled on your phone. Pair your phone with the car radio via Bluetooth. Follow on-screen prompts to establish the CarPlay or Android Auto connection.
- **Wired Mirror Link:** For wired mirroring, connect your phone using a USB cable. This projects your phone's screen onto the car radio display.

Your browser does not support the video tag.

Video 4.2.1: Demonstration of wired mirroring functionality.

Your browser does not support the video tag.

Video 4.2.2: Demonstration of wireless CarPlay connectivity and features.



Figure 4.2: Wireless CarPlay, Android Auto, and Mirror Link capabilities.

4.3 Bluetooth Connectivity

The car radio features Bluetooth 5.4 for stable and fast connections. Pair your smartphone to make and receive hands-free calls and stream audio.

- **Pairing:** Go to the Bluetooth settings on the car radio and your phone. Select the car radio's Bluetooth name (e.g., "Car BT 11") from your phone's available devices to pair.
- **Hands-Free Calls:** Once paired, you can dial numbers directly from the car radio's screen or answer incoming calls.
- **Audio Streaming:** Play music from your smartphone through the car radio's speakers.



Figure 4.3: Bluetooth 5.4 for hands-free calls and improved connectivity.

4.4 Radio (AM/FM/RDS)

Access AM/FM radio stations. The RDS (Radio Data System) feature displays station information where available.

- **Tuning:** Use the touchscreen controls to scan for stations or manually tune to a specific frequency.
- **Presets:** Save your favorite stations for quick access.

4.5 DSP & Equalizer Settings

Customize your audio experience with the built-in Digital Signal Processor (DSP) and 32-band equalizer. Adjust frequency bands, balance, fader, and subwoofer settings to optimize sound quality.



Figure 4.5: DSP and 32-band EQ interface for audio customization.

4.6 GPS Navigation

The car radio supports both online and offline GPS navigation. Download maps for offline use or connect to Wi-Fi for real-time traffic and updates.



Figure 4.6: GPS navigation interface and app integration.

4.7 Backup Camera Operation

When the vehicle is shifted into reverse, the car radio automatically displays the feed from the connected AHD backup camera, providing a wide 178° viewing angle for enhanced safety.



Figure 4.7: Backup camera view with wide-angle perspective.

4.8 Steering Wheel Control (SWC)

The car radio supports retaining your vehicle's original steering wheel controls, allowing you to manage audio and calls without taking your hands off the wheel. Configuration may be required in the car radio's settings menu.



Figure 4.8: Seamless integration with OEM steering wheel controls.

4.9 App Usage

After connecting to Wi-Fi, you can download and install various applications from the Play Store, including navigation apps like Waze, music streaming services like Spotify, and video platforms like YouTube and TikTok.

5. SPECIFICATIONS

Feature	Detail
Processor	8-Core CPU
RAM	4GB
ROM	32GB

Feature	Detail
Operating System	Android (version not specified, but implied by features)
Screen Size	9 inches
Screen Resolution	1280x720 IPS
Connectivity	Bluetooth 5.4, USB, Wi-Fi
Audio Features	32-band EQ, DSP, Subwoofer output, 4 Channel Surround Sound
Special Features	Wireless CarPlay & Android Auto, Mirror Link, GPS Navigation, Backup Camera (AHD), Steering Wheel Control (SWC), AM/FM/RDS
Video Encoding Support	MP4, 3GP, AVI, DVIX, FLV, MKV, WMV, RMVB, MPG
Item Weight	3.5 pounds (1.59 Kilograms)
Package Dimensions	12.64 x 9.53 x 5.59 inches

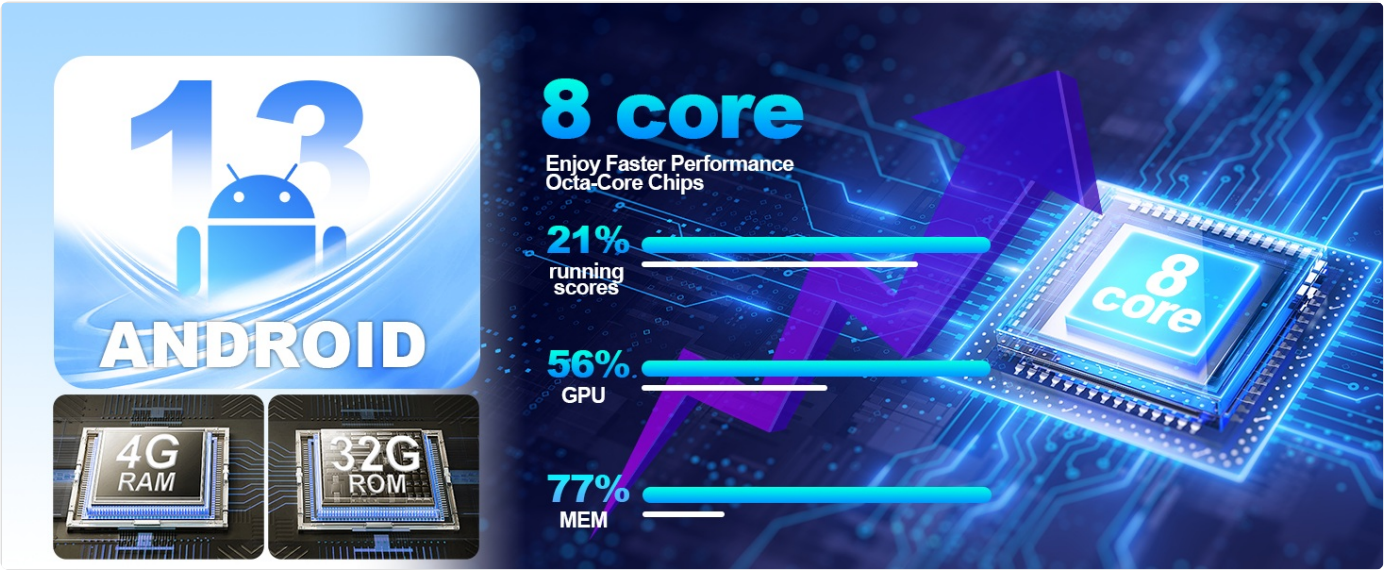


Figure 5.1: Performance overview of the 8-core processor and memory.

1280*720 IPS & MULTI-TOUCH 9 INCH SCREEN

IPS

Touch

9
Inch

4K HD

Generation	Pixel	Difference
1st:800*480	384000	
2nd:1024*600	614400	614400/384000= 1.6 times
3rd:1280*720	921600	921600/614400= 1.5 times

The 3th Generation IPS Sereen:**1280*720**



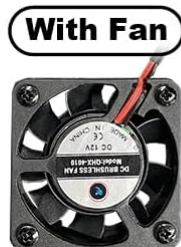
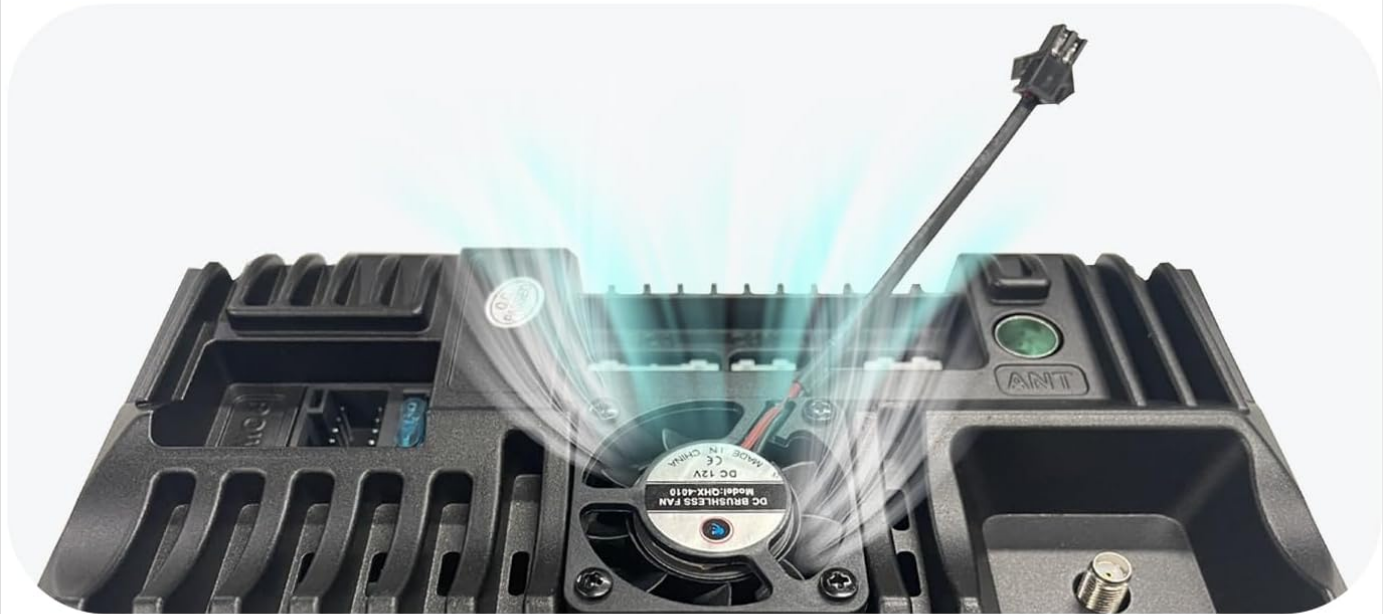
Figure 5.2: Visual comparison highlighting the clarity of the 1280x720 IPS screen.

6. MAINTENANCE

To ensure the longevity and optimal performance of your car radio:

- **Cleaning:** Use the provided cleaning cloth or a soft, dry cloth to wipe the touchscreen and unit exterior. Avoid abrasive cleaners or solvents.
- **Temperature Regulation:** The unit features a small cooling fan that automatically adjusts speed based on ambient temperature to maintain optimal operating conditions (-40°C to +65°C). Ensure the fan vents are not obstructed.
- **Software Updates:** Periodically check for software updates to improve performance and add new features.

Small Cooling Fan



With Fan

It can automatically adjust the fan speed according to the ambient temperature to achieve stepless speed regulation.

Temperature regulation:

The fan system can stabilize the operating temperature of the machine within the temperature range of -40°C to $+65^{\circ}\text{C}$.

Temperature problem during high-speed operation:

When the machine is running at high speed, the ambient temperature will be generated in the chassis, and the temperature may rise by about 20°C . Because the back shell is made of metal, the heat of the motherboard needs to be conducted away. So it is normal for the back shell to get hot, please don't worry.

Temperature limit of PCB board:

The maximum ambient temperature that the PCB board actually needs to withstand is up to $+85^{\circ}\text{C}$. If this temperature is exceeded, the PCB board may be damaged.

Compared with low-end machines on the market, it is generally not equipped with a cooling fan.

Figure 6.1: The integrated cooling fan helps regulate the unit's temperature during operation.

7. TROUBLESHOOTING

If you encounter issues, refer to the following common solutions:

- **No Power:** Check all power connections and vehicle fuses. Ensure the wiring harness is securely connected.
- **No Radio Stations / Static:** Verify the antenna connection. Ensure the antenna is properly installed and not damaged. In some cases, an antenna adapter or booster may be required.
- **Steering Wheel Controls Not Working:** Access the car radio's settings menu to configure or re-map the steering wheel controls. Ensure all SWC wires are correctly connected.
- **Poor Microphone Quality:** If the internal microphone picks up excessive noise, consider using an external microphone (if supported and available) for clearer audio during calls.
- **CarPlay/Android Auto Connection Issues:** Ensure your phone's Bluetooth and Wi-Fi are active. Try restarting both your phone and the car radio. For wired connections, ensure the USB cable is functional.

- **Unit Freezing/Unresponsive:** Perform a soft reset by pressing the reset button (if available) or by turning off the vehicle ignition and restarting.

8. WARRANTY AND SUPPORT

Your Nunoo car radio comes with a **1-year warranty**. For technical assistance, installation questions, or warranty claims, please contact Nunoo customer support.

8.1 How to Contact Support

You can typically reach support through the platform where you purchased the product:

1. Locate the seller's information on your order details.
2. Click on the seller's name (e.g., "NUNOO").
3. Select the option to "Ask a question" or similar to send a message.

Provide detailed descriptions, including pictures or videos, of any technical or installation questions you have. Support will respond as soon as possible.

How to reach us for installation & technical support?

STEP 1

In Stock

Quantity: 1

Add to Cart

Buy Now

Ships from Amazon

Sold by NUNOO

Returns Eligible for return within 30 days of receipt

Support Product support included

Step 1 Click "NUNOO"

Step 2 Click "Ask a question"

Step 3 Please send us pictures or videos of the technical or installation questions you met. Then we will get back to you as soon as possible.

STEP 2

Seller

Visit the **Seller** storefront

★★★★★ | 100% positive in the last 12 months (15 ratings)

About Seller

Seller is committed to providing each customer with the highest standard of customer service.

Have a question for Seller ?

Ask a question

Figure 8.1: Visual guide on contacting customer support.

© 2024 Nunoo. All rights reserved.

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

Open the live page

<https://manuals.plus/asin/B0DD3ZD2WY>

More documents and user manuals: <https://manuals.plus/>