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› MekedeTech Android Car Radio Stereo Navigation User Manual

MekedeTech 4-Core 2+32G (ASIN: B0DNT2MZ5C)

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Model: 4-Core 2+32G (ASIN: B0DNT2MZ5C)

1. PRODUCT OVERVIEW

The MekedeTech Android Car Radio Stereo Navigation system is designed as a direct replacement and upgrade for the Nissan NV200 models from 2014 to 2020. This head unit features a 9-inch IPS touch screen, an Android 12 operating system, and integrated wireless CarPlay/Android Auto functionality. It enhances your vehicle's infotainment capabilities with modern navigation, multimedia playback, and connectivity options.



QUAD CORE, 2+32GB

Android
System

2GB
RAM

32GB
ROM





Support Cooling fan

The cooling fan can deal with and solve the abnormal operation caused by high temperature in summer and long-term use of the machine, such as restart, abnormal touch, abnormal function, etc....

There is no cooling fan



cpu_thermal_zone 91.0°C
 gpu_thermal_zone 89.0°C

High temperature

With cooling fan



cpu_thermal_zone 57.0°C
 gpu_thermal_zone 57.0°C

Normal temperature

Setup steps:

1. 

connect

2. Settings -- Device -- Sound



3. Device -- AMP ON



4. The cooling fan starts working

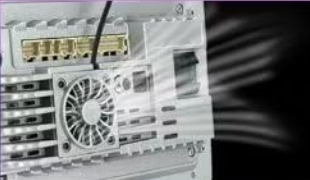


Figure 1.1: Front view of the MekedeTech Android Car Radio Stereo Navigation unit, showcasing its 9-inch display and integrated design.

Key Features:

- **Compatibility:** Specifically designed for Nissan NV200 (2014-2020).
- **Operating System:** Android 12 OS.
- **Processor & Memory:** 4-Core A53 1.7GHz CPU, 2GB RAM, 32GB ROM.
- **Display:** 9-inch IPS touch screen with 1024x600 resolution.
- **Connectivity:** Built-in Wireless CarPlay, Wired Android Auto, Bluetooth 5.0, Wi-Fi.
- **Navigation:** Integrated GPS with support for various map applications.
- **Multimedia:** Supports 1080P video playback, various audio/video formats.
- **Control:** Supports original steering wheel controls.
- **Audio Output:** 4*50W power output.

2. PACKAGE CONTENTS

Before beginning installation, please verify that all components are present in the package:

- MekedeTech Android Head Unit (9-inch display)
- Vehicle-specific Dash Kit for Nissan NV200 (2014-2020)
- Power Cable Harness
- RCA Cable Set
- Reversing Camera Cable
- USB Cables (for data and charging)
- GPS Antenna
- User Manual (this document)

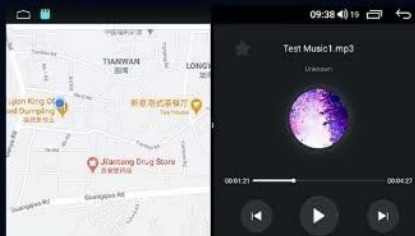
3. SPECIFICATIONS

Feature	Specification
Operating System	Android 12
CPU	4-Core A53 1.7GHz
RAM	2GB
ROM	32GB
Display Size	9 Inches
Display Resolution	1024x600
Power Output	4*50W
Bluetooth Version	5.0
Connectivity	Wireless (Wi-Fi, Bluetooth), Wireless CarPlay, Wired Android Auto
Supported Audio Formats	APE/FLAC/WAV/MP3/WMA etc.
Supported Video Formats	MKV/RMVB/AVI/MP4/MDV etc.
Supported Picture Formats	PNG/JPEG/JPG/GIF/WBMP/BNP etc.

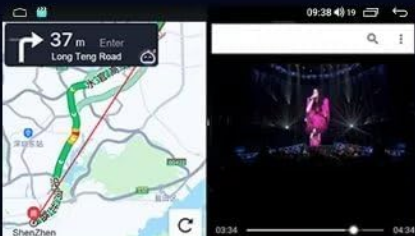
Support split screen

Support for two applications to be displayed on the screen at the same time, which makes the operation more convenient and faster

FM/AM Radio +MAP



MAP + Music



MAP + Online video

GPS NAVIGATION

Built-in global positioning system, omni-directional map display, synchronous display real-time traffic conditions, rapid and accurate positioning

GPS

BDS

GLONASS

The following maps are supported



For Navitel



For iGO



For Yandex



For Google

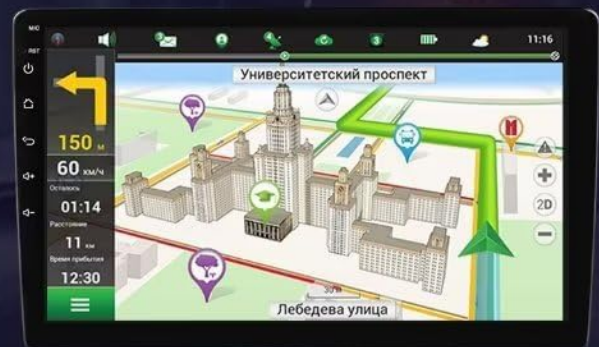


Figure 3.1: Internal specifications and cooling fan design of the MekedeTech head unit.

4. SETUP AND INSTALLATION

This section provides instructions for installing the MekedeTech Android Car Radio Stereo Navigation unit into your Nissan NV200. Professional installation is recommended.

4.1 Compatibility Check

Ensure your vehicle's dashboard matches the compatible models. This unit is designed for Nissan NV200 models from 2014 to 2020.

For Nissan NV200 2014-2020



For Nissan NV200 2009-2013

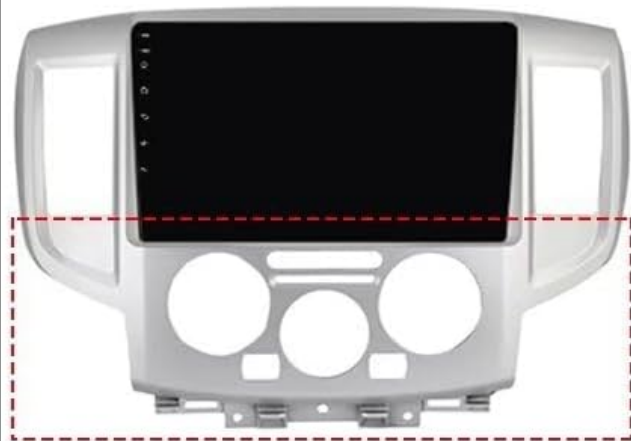


Figure 4.1: Dashboard compatibility comparison for Nissan NV200 models.

4.2 Pre-Installation Steps

1. **Disconnect Battery:** Before starting any electrical work, disconnect the negative terminal of your vehicle's battery to prevent short circuits.
2. **Remove Old Head Unit:** Carefully remove the existing factory radio from your dashboard. Refer to your vehicle's service manual for specific instructions on dash panel removal.
3. **Inspect Wiring:** Familiarize yourself with the vehicle's existing wiring harness.

4.3 Wiring Connections

Connect the provided power cable harness, RCA cables, reversing camera cable, and USB cables to the corresponding ports on the new head unit. Ensure all connections are secure.

Built-in Car-Play + Auto

car dvd player comes with car-play function, no need to purchase additional accessories.





Wireless Car-Play(ios system)

Connection steps:

1. Connect **BT**
2. Click on "Car Link" and wait for connection
(Car-Play can also be connected via USB Cable)



Wireless Auto(Android system)

Connection steps:

1. Connect **BT**
2. Click on "Car Link" and wait for connection
(Auto can also be connected via USB Cable)

Figure 4.2: Rear view of the head unit displaying connection ports.

- **Power Harness:** Connect the main power harness to the vehicle's wiring.
- **RCA Cables:** Connect for external amplifiers, subwoofers, or auxiliary video inputs/outputs.
- **USB Cables:** Route the USB cables to a convenient location for connecting USB drives or charging devices.
- **GPS Antenna:** Connect the GPS antenna and mount it in a location with a clear view of the sky (e.g., dashboard, under windshield).
- **Reverse Camera:** If installing a backup camera, connect its video and power cables to the designated inputs.

4.4 Physical Installation

1. **Mount Head Unit:** Secure the new MekedeTech head unit into the dashboard opening using the provided dash kit and mounting brackets.
2. **Reassemble Dash:** Carefully reassemble the dashboard panels, ensuring no wires are pinched.
3. **Reconnect Battery:** Reconnect the negative terminal of your vehicle's battery.



Figure 4.3: Visual comparison of the dashboard before and after installation of the new head unit.

4.5 Initial Power-On and Setup

After installation, turn on your vehicle's ignition. The unit should power on automatically. Follow any on-screen prompts for initial setup, such as language selection and time zone.

5. OPERATING INSTRUCTIONS

This section covers the basic operation of your MekedeTech Android Car Radio Stereo Navigation system.

5.1 Touch Screen Navigation

The unit features a responsive touch screen. Tap icons to open applications, swipe to navigate menus, and use pinch-to-zoom gestures where supported (e.g., maps).



Figure 5.1: Main interface of the head unit, displaying various application icons.

5.2 Wireless CarPlay and Android Auto

The unit supports both wireless CarPlay (for iOS devices) and wired Android Auto (for Android devices).

For Wireless CarPlay (iOS):

1. Ensure Bluetooth is enabled on your iPhone.
2. On the head unit, go to the Bluetooth settings and pair with your iPhone.
3. Once paired, select the "Car Link" or "CarPlay" application on the head unit.
4. Follow the on-screen prompts to establish the wireless CarPlay connection.

For Wired Android Auto (Android):

1. Ensure Android Auto app is installed on your Android phone.
2. Connect your Android phone to the head unit using one of the provided USB cables.
3. On the head unit, select the "Car Link" or "Android Auto" application.
4. Follow the on-screen prompts to establish the wired Android Auto connection.

5.3 Bluetooth Connectivity

Connect your smartphone via Bluetooth for hands-free calling and audio streaming.

1. On the head unit, open the "Bluetooth" application.
2. Enable Bluetooth on your phone and search for available devices.
3. Select "MekedeTech" (or similar device name) from the list on your phone.

4. Confirm the pairing code on both devices.

5.4 GPS Navigation

The unit comes with built-in GPS and supports various navigation applications. Ensure the GPS antenna is properly installed for optimal signal reception.

- Open the pre-installed navigation app (e.g., Google Maps, iGO).
- Enter your destination and follow the on-screen directions.
- The system supports GPS, BDS, and GLONASS for accurate positioning.

5.5 Split Screen Function

The split-screen feature allows you to run two applications simultaneously, such as navigation and music playback.

1. Open the first application you wish to use.
2. Press and hold the recent apps button (usually a square icon) or swipe up from the bottom and hold (depending on Android version).
3. Drag the first app to one side of the screen.
4. Select the second application from the recent apps list or app drawer to fill the other half of the screen.

5.6 Steering Wheel Control

The unit retains your original steering wheel control functions, allowing you to safely manage audio and calls without taking your hands off the wheel. Configuration may be required in the unit's settings menu under "Steering Wheel Control" or "SWC".

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your MekedeTech head unit.

- **Screen Cleaning:** Use a soft, lint-free cloth slightly dampened with water or a screen cleaner specifically designed for electronics. Do not use harsh chemicals or abrasive materials.
- **Software Updates:** Periodically check for software updates provided by MekedeTech to ensure you have the latest features and bug fixes. Updates can typically be found in the system settings or on the manufacturer's website.
- **Avoid Extreme Temperatures:** Do not expose the unit to extreme hot or cold temperatures for prolonged periods, as this can affect performance and lifespan.
- **Ventilation:** Ensure the unit's ventilation areas are not blocked to allow for proper heat dissipation, especially with the integrated cooling fan.

7. TROUBLESHOOTING

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

7.1 No Power

- **Check Fuses:** Verify the vehicle's fuse box and the unit's inline fuse (if present) are intact.
- **Wiring Connection:** Ensure the power cable harness is securely connected to both the unit and the vehicle's power source.
- **Battery Connection:** Confirm the vehicle's battery terminals are clean and securely connected.

7.2 No Sound

- **Volume Level:** Check if the volume is turned up and not muted.
- **Speaker Connections:** Verify that speaker wires are correctly connected to the unit and not shorted.
- **Audio Source:** Ensure the correct audio source (e.g., FM, Bluetooth, CarPlay) is selected.
- **Amplifier:** If an external amplifier is used, check its power and connections.

7.3 GPS Signal Loss or Inaccuracy

- **Antenna Placement:** Ensure the GPS antenna is mounted in a location with a clear view of the sky, away from obstructions.
- **Antenna Connection:** Check that the GPS antenna is securely connected to the unit.
- **Software:** Ensure your navigation app and system software are up to date.

7.4 CarPlay/Android Auto Not Connecting

- **Bluetooth/USB Connection:** For wireless CarPlay, ensure Bluetooth is paired. For wired Android Auto, ensure the USB cable is functional and properly connected.
- **Phone Settings:** Check your phone's settings to ensure CarPlay/Android Auto is enabled and permissions are granted.
- **App Updates:** Ensure the CarPlay/Android Auto app on your phone is updated to the latest version.
- **Restart Devices:** Try restarting both the head unit and your smartphone.

7.5 Touch Screen Unresponsive

- **Restart Unit:** Perform a soft reset by turning off the vehicle's ignition and restarting.
- **Clean Screen:** Ensure the screen is clean and free of debris or moisture.
- **Firmware:** Check if a firmware update is available that addresses touch screen issues.

8. WARRANTY AND SUPPORT

MekedeTech products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official MekedeTech website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact MekedeTech customer support through the contact information provided on their official website or through the retailer where the product was purchased.

