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MISONDA BX-563-K05-128G

MISONDA Android 14 Car Radio User Manual

Model: BX-563-K05-128G

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your MISONDA Android 14 Car Radio. This advanced multimedia system is designed to enhance your driving experience with features such as integrated 4G, DAB+, DSP, Wireless CarPlay, Android Auto, HDMI output, GPS navigation, and a high-resolution IPS touchscreen.

Compatibility: This unit is specifically designed for Nissan X-Trail/T32/Qashqai/J11/T31/J10 models manufactured between 2013 and 2017.



Image 1.1: Front view of the MISONDA Android 14 Car Radio, showcasing its 10-inch IPS display and key integrated features like HDMI, 4G, DAB+, and memory configuration (6GB RAM + 128GB ROM).

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of automotive electrical systems, professional installation is strongly advised to prevent damage to the unit or your vehicle.
- **Driving Safety:** Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply with negative grounding. Incorrect voltage can cause damage.
- **Avoid Moisture:** Do not expose the unit to water or excessive moisture.
- **Temperature:** Operate the unit within the specified temperature range (-20°C to 70°C).

3. PACKAGE CONTENTS

Please check the package contents against the list below. If any items are missing or damaged, contact your retailer.

- MISONDA Android 14 Car Radio Unit
- Power Socket Cable
- RCA Output Cables (various)
- Canbus Decoder

- GPS Antenna
- USB Cables (multiple)
- Installation Brackets
- DAB Antenna
- External Microphone
- Rear View Camera
- User Instructions (this manual)



Image 3.1: Overview of all components included in the product package, such as wiring harnesses, antennas, and external accessories.

4. PRODUCT OVERVIEW AND FEATURES

The MISONDA Android 14 Car Radio is equipped with advanced hardware and software to provide a seamless in-car entertainment and navigation experience.

Key Features:

- **Operating System:** Latest Android 14 with an 8-core 64-bit processor (Cortex A53, up to 2.5GHz).

- **Memory:** 6GB RAM + 128GB ROM for smooth operation and ample storage.
- **Display:** 10-inch IPS HD touchscreen with 1280x800 resolution, 500 nits brightness, 178° viewing angle, and 1200:1 contrast ratio.
- **Connectivity:** Built-in 4G module (SIM card required) and WiFi for internet access.
- **Audio:** Built-in DAB+ for high-quality digital radio, DSP (AKM7739) for advanced sound optimization, and TDA7808 power amplifier chip.
- **Navigation:** Integrated GPS with support for offline and online maps.
- **Smartphone Integration:** Wireless CarPlay and Android Auto, Mirrorlink function.
- **Control:** Steering Wheel Control (SWC) compatibility, Bluetooth 5.0 for hands-free calling and audio streaming.
- **Output:** HDMI output for connecting external displays.

Built-in 4G/WiFi

After inserting the Sim Card into the radio, you can share the radio's high-speed 4G network to every passenger in the car.



IPS Screen



500 nits



IPS



178°View



1200 : 1



Cooling Fan



DSP AKM7739

There are of 64 adjustment levers, which means that more detail parameter adjustment can be made to the sound. Ultra-high sound quality.

Audio technology and equipped with DTS5.1 panoramic sound effect + sound field correction system, reproduce a natural, comfortable, and immersive acoustic experience



HDMI Output

HDMI is a full digital image and sound-sending interface that can send uncompressed audio and video signals, audio and video can be output synchronously, no need to adjust manually.



Image 4.1: Details of the Android system, TDA 7808 amplifier chip, and memory configuration (6GB RAM + 128GB ROM).



Image 4.2: Visual representation of built-in 4G/WiFi, IPS screen technology, integrated cooling fan, DSP capabilities, and HDMI output functionality.

5. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance and longevity of your car radio. It is highly recommended to have the unit installed by a qualified professional.

5.1 Pre-Installation Check

- Verify vehicle compatibility (Nissan X-Trail/Qashqai 2013-2017).
- Ensure all package contents are present and undamaged.
- Disconnect the vehicle's battery before starting installation to prevent electrical shorts.

5.2 Physical Installation

1. Carefully remove the original car radio and dashboard trim. Refer to your vehicle's service manual for specific instructions.

2. Attach the provided installation brackets to the MISONDA unit.
3. Connect the main power harness, RCA cables, USB cables, GPS antenna, DAB antenna, and external microphone to the corresponding ports on the unit.
4. If installing the rear view camera, route the camera cable to the rear of the vehicle and connect it to the unit's camera input.
5. Insert the 4G SIM card (if applicable) into the designated slot.
6. Carefully slide the unit into the dashboard opening and secure it with the brackets.
7. Reinstall the dashboard trim.

Android

- 4nm process technology
- Big core frequency up to 2.5GHz
- Small core frequency up to 2.0GHz



TDA 7808



flagship Storage
LPDDR4

flagship Memory
UFS 3.0

6GB + 128GB

Big Memory

Big Satisfaction

Image 5.1: Comparison showing the vehicle's dashboard before and after the installation of the MISONDA car radio, demonstrating a seamless fit.

5.3 Initial Power-On and Configuration

1. Reconnect the vehicle's battery.
2. Turn on the vehicle's ignition. The unit should power on automatically.

3. Follow the on-screen prompts for initial setup, including language selection, time zone, and network configuration.
4. Test all functions: radio, navigation, Bluetooth, and steering wheel controls to ensure proper operation.

6. OPERATING INSTRUCTIONS

This section details the operation of the main functions of your MISONDA car radio.

6.1 Basic Operation

- **Power On/Off:** Press and hold the power button on the unit or use the vehicle's ignition.
- **Volume Control:** Adjust volume using the physical buttons on the unit, steering wheel controls, or the on-screen interface.
- **Touchscreen:** Navigate the interface by tapping, swiping, and pinching on the IPS display.

6.2 GPS Navigation

The unit supports both offline and online navigation. Pre-loaded offline maps are available, and online maps can be used with an internet connection.

- Tap the 'Navigation' icon on the home screen to launch the GPS application.
- Enter your destination using the on-screen keyboard.
- Select your preferred route and start guidance.

6.3 Radio (FM/AM/DAB+)

Access various radio bands for local and digital broadcasts.

- Tap the 'Radio' or 'DAB+' icon.
- Use the scan function to find available stations.
- Save your favorite stations as presets for quick access.

6.4 Bluetooth 5.0

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

- Go to 'Settings' > 'Bluetooth' and enable Bluetooth.
- On your phone, search for available devices and select the car radio (e.g., 'MISONDA Car Radio').
- Confirm the pairing code on both devices.
- Once paired, you can make/receive calls and play music through the car speakers.

6.5 Wireless CarPlay & Android Auto

Integrate your smartphone's interface directly onto the car radio display.

- Ensure your phone's Wi-Fi and Bluetooth are enabled.
- For CarPlay/Android Auto, open the respective app on the car radio.
- Follow the on-screen instructions to connect your phone wirelessly.
- Once connected, you can access navigation, music, messages, and calls via the car radio interface.

6.6 Mirrorlink

Mirror your Android phone's screen onto the car radio display for two-way control.

- Open the 'Mirrorlink' application on the car radio.
- Connect your Android phone via USB or Wi-Fi (follow app instructions).

- Grant necessary permissions on your phone to enable screen mirroring and control.

6.7 DSP (Digital Sound Processor)

Customize your audio experience with the built-in DSP.

- Access the 'DSP' or 'Equalizer' settings from the main menu.
- Adjust equalizer bands, sound field, balance, and fader settings to optimize audio output.

6.8 Steering Wheel Control (SWC)

Program your vehicle's steering wheel buttons to control the car radio.

- Go to 'Settings' > 'Steering Wheel Control'.
- Follow the on-screen instructions to map each steering wheel button to a specific function (e.g., volume up/down, track skip, mode).

6.9 4G/WiFi Connectivity

Connect to the internet for online services, app downloads, and real-time traffic updates.

- **4G:** Insert a valid SIM card into the designated slot. The unit will automatically connect to the 4G network.
- **WiFi:** Go to 'Settings' > 'WiFi', enable WiFi, and connect to an available hotspot.

6.10 HDMI Output

Connect external displays (e.g., headrest monitors) to mirror the car radio's screen content.

- Connect an HDMI cable from the unit's HDMI output to the external display.
- The audio and video signals will be transmitted synchronously.

6.11 Optional 360 Bird View Camera

If an optional 360-degree panoramic camera system is installed, it provides a comprehensive view around the vehicle for safer driving and parking. This system typically integrates with the car radio display, automatically activating when reversing or manually selected.



Image 6.1: Visual representation of key operational features including Steering Wheel Control, Bluetooth 5.0, Mirrorlink, GPS Navigation, and Built-in DAB+ radio.

360 Bird View Camera (Optional)

HD 3D 360 panoramid recorder to make you get a safer driving and easier reversing.



Image 6.2: Screenshots demonstrating the user interfaces for Wireless CarPlay and Android Auto, highlighting their seamless integration with smartphones.

7. MAINTENANCE

7.1 Cleaning the Unit

- Use a soft, dry cloth to wipe the screen and unit exterior.
- For stubborn marks, lightly dampen the cloth with water or a screen cleaner. Avoid harsh chemicals.
- Do not spray cleaning liquids directly onto the unit.

7.2 Software Updates

Periodically check for software updates to ensure optimal performance and access to new features.

- Connect the unit to a stable internet connection (WiFi or 4G).
- Go to 'Settings' > 'About device' > 'System updates'.
- Follow the on-screen instructions to download and install any available updates.

8. TROUBLESHOOTING

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

- **No Power:**
Solution: Check all power connections and fuses. Ensure the vehicle's ignition is on.
- **No Sound:**
Solution: Check volume settings, speaker connections, and audio source. Ensure the mute function is not active.
- **GPS Signal Lost/Weak:**
Solution: Ensure the GPS antenna is properly connected and has a clear view of the sky. Move the vehicle to an open area.
- **Bluetooth Connection Issues:**
Solution: Ensure Bluetooth is enabled on both the unit and your phone. Delete previous pairings and try reconnecting. Restart both devices.
- **Touchscreen Unresponsive:**
Solution: Restart the unit. If the problem persists, a factory reset might be necessary (note: this will erase all user data).
- **Unit Freezes/Crashes:**
Solution: Perform a soft reset by pressing the 'RST' (Reset) button with a thin object (e.g., a paperclip). If issues continue, check for software updates.

9. SPECIFICATIONS

Feature	Specification
Brand	MISONDA
Model Number	BX-563-K05-128G
Operating System	Android 14
Processor	8-core Cortex A53, up to 2.5 GHz
RAM	6 GB
ROM	128 GB

Screen Size	10 inches (IPS Touchscreen)
Screen Resolution	1280 x 800
Radio Chip	TDA7786
Power Amplifier Chip	TDA7808
Output Power	4 * 45W
Bluetooth Version	5.0 (A2DP, Hands-free)
Connectivity	Built-in 4G, WiFi, GPS
Special Features	DAB+, DSP, Wireless CarPlay, Android Auto, HDMI Output, Mirrorlink, Steering Wheel Control, RDS, Equalizer
Operating Temperature	-20°C to 70°C
Compatible Devices	Smartphone
Color	Black

10. WARRANTY AND SUPPORT

10.1 Product Warranty

This MISONDA car radio comes with a **1-year manufacturer's warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or normal wear and tear.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your MISONDA car radio, please contact your original retailer or the MISONDA customer support team. Please have your model number (BX-563-K05-128G) and proof of purchase ready when contacting support.

For the most up-to-date support information, please visit the official MISONDA website or refer to the contact details provided with your purchase documentation.

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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

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