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› MISONDA 10-inch IPS Car Radio User Manual - Model BX-5Q31-H05

MISONDA BX-5Q31-H05

MISONDA 10-inch IPS Car Radio User Manual

Model: BX-5Q31-H05 | Brand: MISONDA

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your MISONDA 10-inch IPS Car Radio. Please read this manual thoroughly before using the product to ensure proper function and safety. This car radio is designed for specific vehicle models including Renault Master, Vauxhall Movano, and Nissan NV400.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended to prevent damage to the unit or your vehicle.
- **Power Supply:** Ensure the car radio is connected to a 12V DC power supply with negative grounding. Incorrect voltage can cause damage.
- **Wiring:** Do not short-circuit any wires. Insulate all unused wires.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Cleaning:** Use a soft, dry cloth for cleaning. Avoid abrasive cleaners or solvents.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:



Image: Various cables and connectors including power socket and RCA output sockets.

- Main Car Radio Unit
- Power Socket Cable
- RCA Output Socket A Cable
- RCA Output Socket B Cable
- RCA Output Socket C Cable
- GPS Antenna
- USB Cable (Dual USB interface)
- User Manual (Instructions)
- Canbus Decoder (if applicable for your vehicle model)

4. SPECIFICATIONS

Feature	Specification
System	Android (4-core CPU)
Screen Size	10-inch IPS Touch Screen
Memory	2GB RAM + 32GB ROM
Screen Resolution	1024 x 600
Radio Chip	TDA7786
Output Power	4 x 45W (180 Watts total)
Operating Temperature	-40 to 80 degrees Celsius
Bluetooth Version	5.0 (with A2DP)
Navigation	Supports offline and online maps
USB Interface	Dual USB
Integrated Features	Wireless CarPlay, Android Auto, Wi-Fi, Steering Wheel Control
Connectivity Technology	Bluetooth, Wi-Fi, USB, RCA
Audio Output Mode	Stereo
Compatible Vehicles	Renault Master, Vauxhall Movano, Nissan NV400
Model Number	BX-5Q31-H05
Item Weight	4 kg
Manufacturer	HUIZHOU BOXINLIYE TECHNOLOGY CO LTD

5. SETUP AND INSTALLATION

This section provides general guidelines for installing your car radio. For detailed vehicle-specific instructions, consult a professional installer or your vehicle's service manual.

5.1 Pre-Installation Checks

- Ensure the vehicle's ignition is off and the battery is disconnected before starting installation.
- Confirm compatibility with your vehicle model (Renault Master, Vauxhall Movano, Nissan NV400).
- Verify all package contents are present.

5.2 Wiring Connections

Connect the provided cables to the corresponding ports on the car radio and your vehicle's wiring harness. Refer to the wiring diagram provided with your specific unit for precise connections.

1. **Power Connection:** Connect the power socket cable to the vehicle's power supply (12V DC, negative ground). Ensure ACC, B+, and Ground wires are correctly matched.
2. **Speaker Connections:** Connect the speaker output wires to your vehicle's speakers. Pay attention to positive and negative terminals for each speaker.
3. **RCA Output:** Connect RCA output cables (A, B, C) for external amplifiers or subwoofers if desired.

4. **GPS Antenna:** Mount the GPS antenna in a location with a clear view of the sky, typically on the dashboard or under the windshield. Connect the antenna cable to the GPS port on the radio.
5. **USB Cables:** Route the dual USB cables to an accessible location, such as the glove compartment or center console, for connecting USB devices.
6. **Canbus Decoder:** If your vehicle requires a Canbus decoder for steering wheel controls or other vehicle data integration, connect it according to the specific instructions.
7. **Optional Connections:** Connect any optional accessories such as a reverse camera, DVR, or external microphone to their respective ports.

5.3 Mounting the Unit

Carefully slide the car radio into the dashboard opening. Secure it using the mounting brackets and screws provided, ensuring a snug fit. Reconnect the vehicle battery and test the unit before fully reassembling the dashboard.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the power button to turn the unit on or off.
- **Volume Control:** Adjust the volume using the on-screen controls or steering wheel controls.
- **Touchscreen:** Navigate the interface by tapping, swiping, and pinching on the IPS touchscreen.

6.2 IPS Screen Features



Image: The IPS screen supports 1080P video playback and has a resolution of 1024x600 pixels, offering wide viewing angles.

The 10-inch IPS display provides a clear and vibrant viewing experience with wide angles. It supports 1080P video playback and has a resolution of 1024x600 pixels.

6.3 Wireless CarPlay and Android Auto

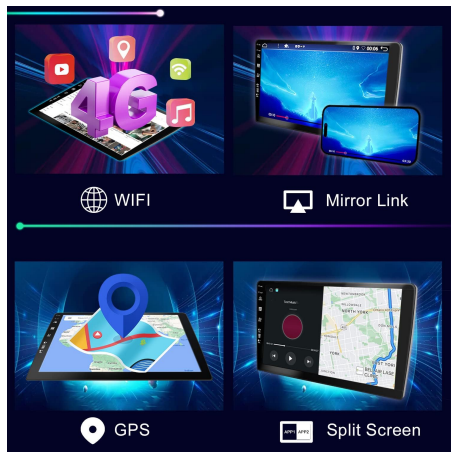


Image: Displays the user interfaces for Android Auto and Apple CarPlay, showing phone integration features.

Connect your smartphone wirelessly via Bluetooth to access CarPlay (for iPhone) or Android Auto (for Android phones). This allows you to use voice commands for navigation, make calls, send/receive messages, and enjoy music directly from your phone on the car radio display.

6.4 Bluetooth 5.0 Connectivity

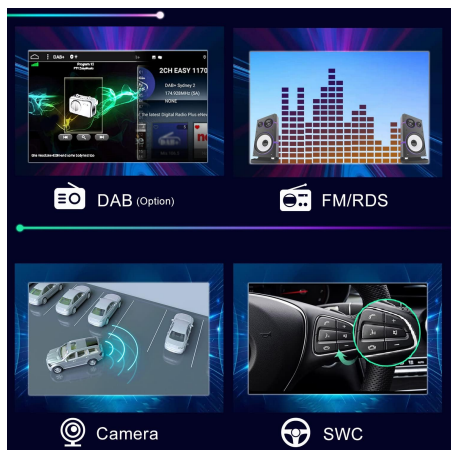


Image: Icons representing Bluetooth 5.0, hands-free calling, Bluetooth music, and phone book synchronization.

The unit features Bluetooth 5.0 for stable and fast wireless connections. It supports A2DP for high-quality audio streaming, hands-free calling, phone book download, and call logs, enhancing driving safety and convenience.

6.5 GPS Navigation

The integrated GPS module supports both offline and online maps. Pre-loaded maps allow navigation without an internet connection, while online maps provide real-time traffic updates and optimized routes when connected to Wi-Fi.

6.6 Wi-Fi Connectivity

Connect the car radio to a Wi-Fi hotspot (e.g., from your smartphone) to access online features. This enables downloading applications, streaming online videos, browsing the web, and receiving real-time map updates.

6.7 Mirror Link

Mirror Link functionality allows you to display your smartphone's screen on the car radio. For Android phones, it supports two-way control, meaning you can control your phone from the car radio's touchscreen.

6.8 Steering Wheel Control (SWC)

If your vehicle supports steering wheel controls, you can configure them to operate the car radio. This allows for easy and safe control of functions like changing songs, answering calls, and adjusting volume without taking your hands off the steering wheel.

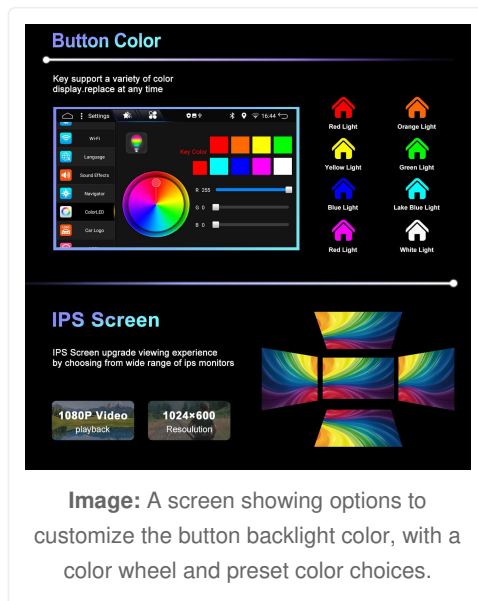
6.9 Radio (FM/RDS)

The car radio includes an FM/AM tuner with RDS (Radio Data System) support. You can save up to 18 preset stations for quick access to your favorite radio programs.

6.10 Split Screen Functionality

The split-screen feature allows you to run two applications simultaneously on the display, such as navigation on one side and music playback on the other.

6.11 Button Color Customization



Personalize the appearance of your car radio by adjusting the button backlight color. Choose from a variety of colors to match your vehicle's interior lighting or your personal preference.

6.12 Optional Features

The unit supports various optional accessories for enhanced functionality:

- **OBD (On-Board Diagnostics):** Connect an OBD dongle to monitor vehicle data.
- **DAB (Digital Audio Broadcasting):** For digital radio reception (requires external DAB module).
- **DVR (Digital Video Recorder):** Connect a dash camera for recording driving footage.
- **TPMS (Tire Pressure Monitoring System):** Monitor tire pressure and temperature (requires external TPMS sensors).
- **360 Camera:** Integrate a 360-degree camera system for a comprehensive view around your vehicle.
- **3G/4G Dongle:** For mobile internet connectivity (requires external dongle and SIM card).
- **Parking Sensor:** Connect to a parking sensor system for assistance with parking maneuvers.
- **Digital TV Box:** For receiving digital television broadcasts.

7. 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.
- **Software Updates:** Periodically check for software updates from the manufacturer's website or through the device's settings to ensure optimal performance and access to new features.
- **General Care:** Avoid spilling liquids on the unit. Do not attempt to open or repair the unit yourself, as this will void the warranty.

8. TROUBLESHOOTING

This section addresses common issues you might encounter. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Unit does not power on	Incorrect wiring, blown fuse, vehicle battery issue	Check power connections, inspect vehicle fuses, ensure battery is charged.
No sound	Volume too low, incorrect speaker wiring, mute activated	Increase volume, check speaker connections, ensure unit is not muted.
GPS signal lost or inaccurate	GPS antenna obstructed or disconnected	Ensure GPS antenna has a clear view of the sky and is securely connected.
Bluetooth not connecting	Bluetooth off on phone or radio, device not in pairing mode	Enable Bluetooth on both devices, put radio in pairing mode, delete previous pairings and try again.
Touchscreen unresponsive	Software glitch, screen damage	Restart the unit. If issue persists, contact support.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. If you require technical assistance or have questions about your MISONDA car radio, please reach out to MISONDA customer support through their official channels.