

## Norauto NS-311 BT

# Norauto NS-311 BT Car Radio User Manual

Model: NS-311 BT | Brand: Norauto

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Norauto NS-311 BT car radio. Please read this manual thoroughly before using the product to ensure correct operation and to prevent damage.



Image 1.1: Front view of the Norauto NS-311 BT car radio, showing the 7-inch touchscreen display and control buttons.

## 2. IMPORTANT SAFETY INFORMATION

- **Professional Installation:** It is highly recommended to have this product installed by a qualified

professional to ensure proper wiring and functionality.

- **Vehicle Compatibility:** Ensure the device is compatible with your vehicle's electrical system before installation.
- **Driving Safety:** Do not operate the device in a way that distracts you from driving. Always prioritize road safety.
- **Power Supply:** Connect the device only to a 12V DC negative ground power supply.
- **Temperature:** Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or high humidity.

### 3. PACKAGE CONTENTS

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Please check that all items are present in the package before proceeding with installation:

- Norauto NS-311 BT Car Radio Unit
- Power and Speaker Wiring Harness
- GPS Antenna
- Mounting Brackets and Screws
- User Manual (this document)

### 4. SETUP AND INSTALLATION

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#### 4.1. Wiring Diagram

A detailed wiring diagram is typically provided with the product packaging. Ensure all connections are made correctly according to the diagram. Incorrect wiring can cause damage to the unit or your vehicle.

- **Yellow Wire:** Connect to constant 12V power supply.
- **Red Wire:** Connect to accessory 12V power supply (switched with ignition).
- **Black Wire:** Connect to vehicle ground.
- **Orange Wire:** Connect to illumination wire (optional).
- **Speaker Wires:** Connect to corresponding vehicle speakers (e.g., White/White-Black for Front Left, Grey/Grey-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right).

#### 4.2. Mounting the Unit

Secure the unit into the vehicle's dashboard opening using the provided mounting brackets and screws. Ensure it is firmly fixed to prevent movement during driving.

#### 4.3. Initial Power On

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 or time zone settings.

### 5. OPERATING INSTRUCTIONS

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#### 5.1. Basic Controls

The NS-311 BT features a 7-inch capacitive touchscreen display and physical buttons for primary control. Common controls include:

- **Power Button:** Press to turn on/off, long press for standby.
- **Volume Knobs/Buttons:** Adjust audio output level.
- **Home Button:** Returns to the main menu.
- **Back Button:** Returns to the previous screen.
- **Touchscreen:** Tap, swipe, and drag to navigate menus and select functions.

## 5.2. Radio Operation

1. From the main menu, select the 'Radio' icon.
2. Select the desired band (FM/AM).
3. Use the 'Seek' buttons to automatically search for stations or manually tune using the frequency display.
4. To save a station, long-press one of the preset buttons (1-6) until you hear a confirmation beep.

## 5.3. USB Media Playback

1. Insert a USB flash drive into the designated USB port.
2. The unit will automatically detect the USB device and display its contents, or you may need to select the 'USB' source from the main menu.
3. Browse folders and files using the touchscreen.
4. Tap on a file to begin playback.

## 5.4. Bluetooth Connectivity

1. From the main menu, select the 'Bluetooth' icon.
2. Ensure Bluetooth is enabled on your mobile device and set to 'discoverable' mode.
3. On the NS-311 BT, tap 'Pair Device' or 'Search'.
4. Select your mobile device from the list of available devices.
5. Confirm the pairing code on both devices if prompted.
6. Once paired, you can make hands-free calls and stream audio.

## 5.5. Navigation System

The NS-311 BT supports GLONASS and GPS satellite navigation. To use the navigation function:

1. From the main menu, select the 'Navigation' icon.
2. The pre-installed navigation software will launch.
3. Follow the on-screen instructions to enter your destination and start route guidance.
4. Ensure the GPS antenna is properly installed and has a clear view of the sky for optimal signal reception.

## 6. MAINTENANCE

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- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn marks, slightly dampen the cloth with water or a screen-cleaning solution. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean around buttons and ports.
- **Firmware Updates:** Periodically check the Norauto website for any available firmware updates to ensure optimal performance and access to new features. Follow the instructions provided with the update carefully.

## 7. TROUBLESHOOTING

If you encounter issues with your NS-311 BT, refer to the table below for common problems and their solutions.

<b>Problem</b>	<b>Possible Cause / Solution</b>
Unit does not power on.	Check power wiring (yellow and red wires). Verify vehicle fuse is not blown. Ensure proper ground connection.
No sound from speakers.	Check speaker wiring connections. Ensure volume is not muted or set to minimum. Verify audio source is selected correctly.
Bluetooth device fails to pair.	Ensure Bluetooth is enabled on both devices. Make sure the NS-311 BT is in pairing mode. Delete previous pairings on both devices and try again. Ensure device is within range.
USB media not recognized.	Check if the USB drive is properly inserted. Ensure the USB drive is formatted to a compatible file system (e.g., FAT32). Verify media files are in supported formats.
Navigation signal lost or inaccurate.	Ensure the GPS antenna is correctly installed and has a clear view of the sky. Move to an open area away from tall buildings or dense foliage.
Touchscreen unresponsive.	Perform a soft reset (refer to specific instructions in the full manual if available, or disconnect power for a few minutes). Ensure the screen is clean and free of debris.

## 8. TECHNICAL SPECIFICATIONS

<b>Feature</b>	<b>Specification</b>
Brand	Norauto
Model Name	NS-311 BT
Vehicle Service Type	Car
Screen Size	7 Inch
Connectivity Technology	USB
Map Type	Street
Touchscreen Type	Capacitive
Display Type	LCD
Human Interface Input	Buttons, Touch
Control Method	Touch
Batteries Included	No

Feature	Specification
Supported Satellite Navigation System	GLONASS, GPS
GTIN	03501366983589
ASIN	B00ISJRUDA
Manufacturer	Norauto
First Available Date	December 21, 2019

## 9. WARRANTY AND CUSTOMER SUPPORT

Norauto products are designed and manufactured to the highest quality standards. This product is covered by a limited warranty against manufacturing defects. Please refer to the warranty card included with your purchase for specific terms and conditions, including the warranty period and claim procedures.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Norauto customer support through their official website or the contact information provided with your purchase documentation. Please have your model number (NS-311 BT) and proof of purchase ready when contacting support.