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› Philosin 13.3 Inch Universal Double DIN Rotatable Android Car Stereo User Manual

Philosin B09PTJLRQG

Philosin 13.3 Inch Universal Double DIN Rotatable Android Car Stereo User Manual

Model: B09PTJLRQG

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Philosin 13.3 Inch Universal Double DIN Rotatable Android Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage. Keep this manual for future reference.



Image 1.1: Front view of the Philosin 13.3 Inch Universal Double DIN Rotatable Android Car Stereo.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the device:

- Do not attempt to disassemble or modify the unit. Unauthorized modifications can lead to electric shock, fire, or other hazards.
- Ensure all wiring connections are secure and correctly insulated to prevent short circuits.
- Avoid operating the device in a manner that distracts you from driving. Always prioritize road safety.
- Do not expose the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Before performing any installation or wiring, disconnect the vehicle's battery to prevent electrical damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

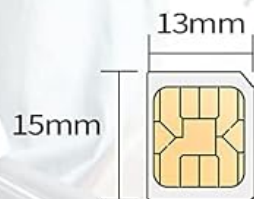
- Philosin 13.3 Inch Android Car Stereo Head Unit
- Power Cable

- RCA Preout Cables (Front, Rear, Subwoofer output)
- SPDIF Digital Coaxial Output Cable
- GPS Antenna
- 4G USB Cable
- 4P/6P USB Cable
- External Microphone
- Camera Input Cable

5GHZ WIFI & 4G MODULE

* Support 5GHz WIFI: Provide higher-speed WiFi network, allowing you to experience the joy of high-speed Internet access

* Built-in 4G module: the host has a built-in card module, inserting a Micro-SIM card can use the mobile network



Micro-SIM(3FF)

*SIM Card is not included

HARNESS LIST



Camera Input Cable



Rear/RCA output Cable



Power Cable



AV output Cable



Image 3.1: Included harness cables and a close-up of the Micro-SIM card slot.

4. SETUP AND INSTALLATION

4.1 Pre-Installation Notes

- Before installation, disconnect the car battery power by opening the car hood. Ensure the ACC power is off before removing the existing head unit.
- After connecting the GPS antenna to the head unit, do not place it in the center console, as this may affect the GPS signal. Position the GPS receiver at the car's A-Pillar or another location with a clear view of the sky.
- The head unit is designed for a standard 7-inch double DIN opening (length $\geq 178\text{mm}$, width $\geq 100\text{mm}$) to accommodate the 13.3-inch screen.

4.2 Physical Installation

The Philosin car stereo utilizes an industry-standard double DIN chassis with a removable screen. This design allows for flexible installation in most double DIN applications.



13.3"
Double Din
Android Radio

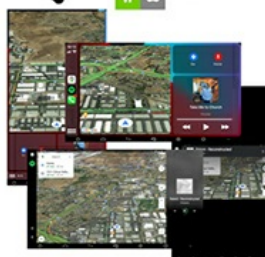
5 dollars Google Play Store Credit

Use our factory home screen UI or use your 5 dollars Google Play Store credit to customize your home screen with your favorite app launcher.



Industry Standard Double Din

Built using an industry standard Double Din chassis w/ removable screen for compatible install on most double din applications.



- 13.3" IPS Android Screen
- Motorized Screen Rotation
- A55 64GB/4GB 8 Core Processor
- Android 10.0
- Industry Standard Double Din Chassis
- Google Play Store
- Web Browser
- WiFi Ready
- 3 RCA Preouts
- SPDIF Coax
- SPDIF TOSLYNK
- Bluetooth handsfree calling w/Music streaming
- Steering Wheel Control Compatible
- Auxiliary Input
- Apple/Android PhoneLink
- USB Video and Music Playback
- Navigation
 - Google Maps
 - Play Store Navigation Apps
 - Or Optional Built-In iGO Navigation

Image 4.1: Example of the car stereo installed in a vehicle dashboard.

4.3 Wiring Connections

Connect the provided harness cables to the corresponding ports on the head unit and your vehicle's wiring system. Refer to your vehicle's wiring diagram for specific connections. Ensure all connections are secure.

- **Power Cable:** Connect to the vehicle's power supply (ACC, B+, Ground).
- **Speaker Wires:** Connect to your vehicle's speakers.
- **GPS Antenna:** Connect and route to a location with clear sky visibility.
- **USB Cables:** Connect for USB devices or 4G module.
- **External Microphone:** Connect for improved call quality.
- **Camera Input Cable:** Connect for a reverse camera (camera not included).

4.4 Initial Power On

After completing all connections, reconnect the car battery. Turn on your vehicle's ignition. The stereo should power on and display the initial setup screen. Follow the on-screen prompts to configure basic settings.

5. OPERATING INSTRUCTIONS

5.1 System Overview

The unit runs on Android 10.0 with an A55 Octa-Core Processor (1.8GHz, 2*ARM Cortex A75 + 6*ARM Cortex A55), 4GB RAM, and 64GB ROM. This configuration provides a responsive user experience for various applications.



Image 5.1: System specifications including Android version, processor, RAM, and ROM.

5.2 Screen Rotation

The 13.3-inch IPS touch screen features motorized rotation. You can switch between vertical and horizontal display modes with a single click, adapting to your preferred viewing orientation.

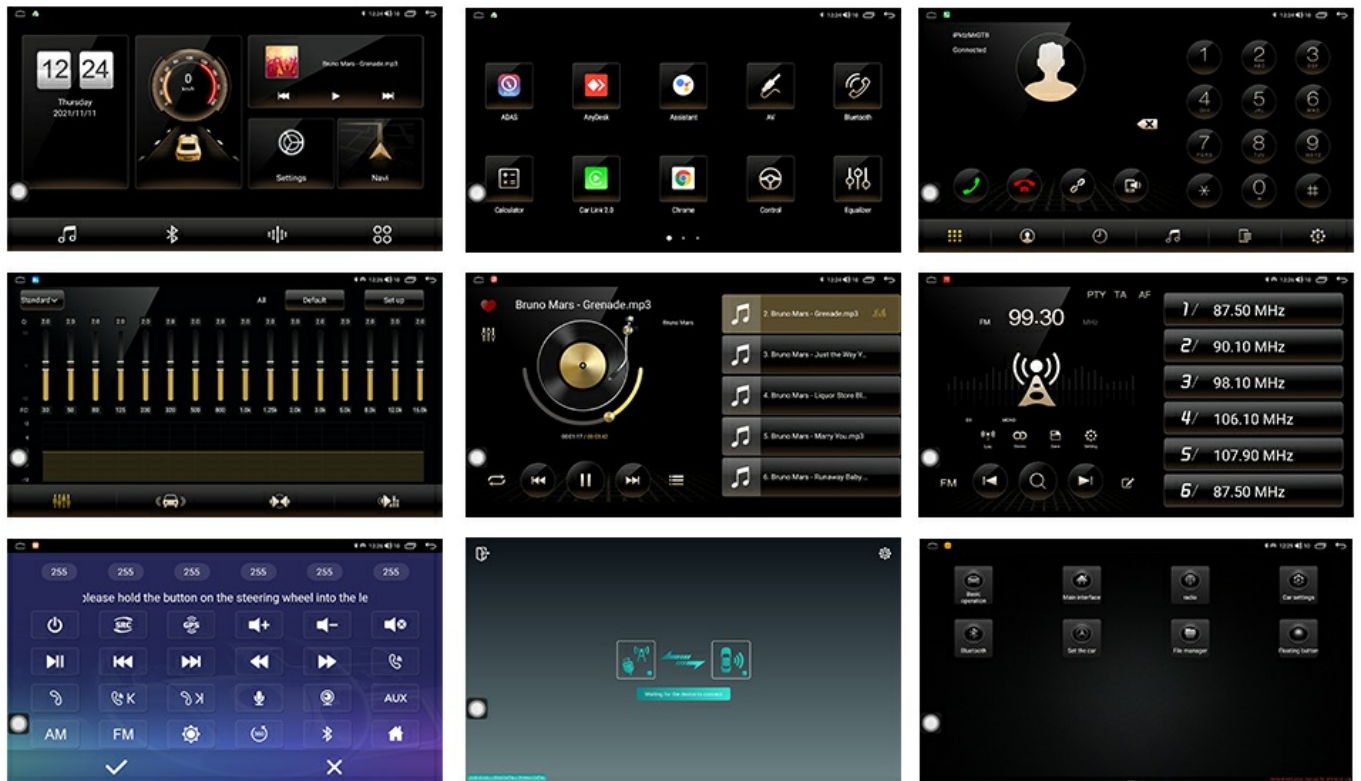


Image 5.2: The car stereo screen rotated to a vertical orientation.

5.3 Connectivity (4G Module, Bluetooth 5.0, Wi-Fi)

- **4G Module:** Insert a Micro-SIM card (not included) into the designated slot to access the internet. This module supports data access but not calling or texting directly from the unit.
- **Bluetooth 5.0:** Connect your smartphone via Bluetooth for hands-free calling, Bluetooth music playback, and syncing phonebooks. This feature is designed to minimize distractions while driving.
- **Wi-Fi:** The unit supports 2.4G/5G Hz Wi-Fi connections, allowing you to browse the internet, stream videos, and download apps.

5.4 Navigation (GPS)

The built-in GPS functionality allows for precise navigation. You can use pre-installed navigation apps or download your preferred navigation software from the Google Play Store. Ensure the GPS antenna is properly installed for optimal signal reception.

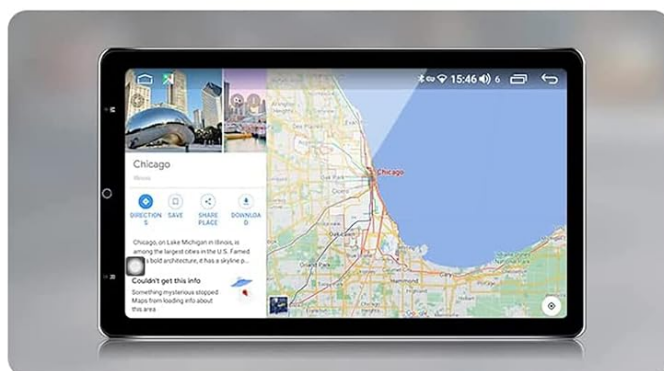
WiFi Connection

Support 2.4G/5G Hz Wifi, YouTube to watch videos or browser to surf the Internet



GPS Navigation

Take your family on a pleasant trip using online maps or Google Maps



Reverse Camera Input

Automatically switch to back up camera mode when you reverse the car



Picture in Picture

You could move the video position and zoom in or out



Image 5.3: GPS navigation interface and Wi-Fi connection options.

5.5 Apple CarPlay / Android Auto

The stereo is compatible with both Wireless Apple CarPlay and Android Auto (Car Link 2.0). Connect your smartphone to access navigation, music, messages, and other apps directly on the stereo display.



Image 5.4: Display showing compatibility with Android 10.0, CarPlay, Android Auto, and various entertainment apps.

5.6 Audio Features (AM/FM Radio, DSP, EQ)

- **AM/FM Radio:** Tune into your favorite radio stations for music and news broadcasts.
- **Built-in DSP & 16 Band EQ:** The digital sound processor (DSP) and 16-band equalizer allow for precise audio customization. Adjust sound frequencies and utilize speaker time alignment for an optimized listening experience.

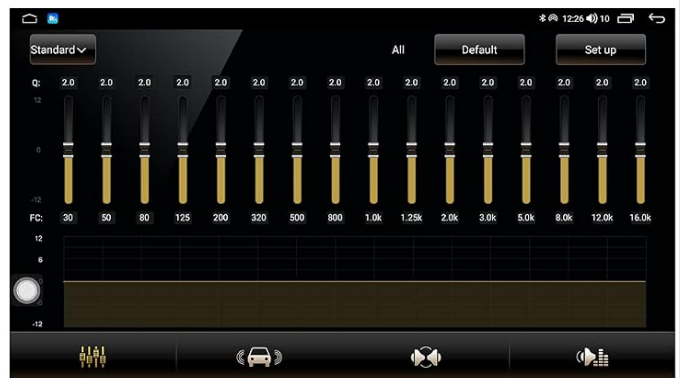
AM/FM Radio

Listen to music station, news broadcasts



Built-in DSP

Up to 2*16 EQ Adjustment



Steering Wheel Controls

Safely switch songs and adjust volume and make call by steering wheel



Bluetooth

Free Your Hands to Keep Safe

Support hands-free call/Bluetooth music

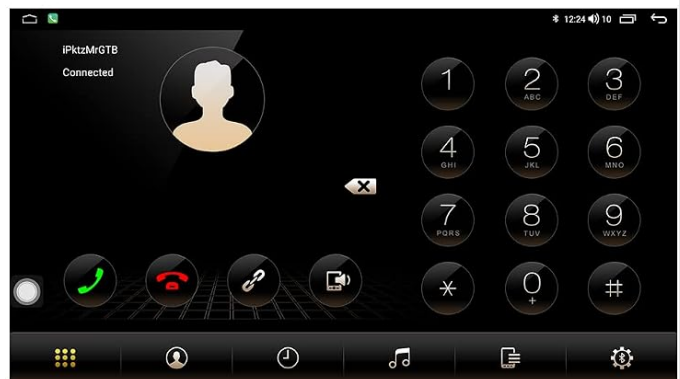


Image 5.5: Radio interface, equalizer settings, and Bluetooth phone screen.

5.7 Steering Wheel Controls

The unit supports steering wheel controls, allowing you to safely switch songs, adjust volume, and manage calls without taking your hands off the wheel. Configuration may be required in the system settings.

5.8 Reverse Camera Input

When a compatible reverse camera (not included) is connected, the stereo automatically switches to the backup camera mode when the vehicle is put into reverse, providing a clear view of the area behind your car.



Image 5.6: Reverse camera display on the car stereo.

5.9 Picture-in-Picture (PIP)

The Picture-in-Picture feature allows you to view a video in a small window while using other applications. You can adjust the position and size of the video window.

5.10 App Installation

Access the Google Play Store to download and install a wide variety of applications, enhancing the functionality of your car stereo.

6. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the screen. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaner. Avoid harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean vents and ports.
- **Software Updates:** Periodically check for system software updates to ensure optimal performance and access to new features.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring, blown fuse, vehicle battery issue.	Check power connections, inspect fuses, verify vehicle battery charge.
No sound.	Volume too low, incorrect speaker wiring, audio settings.	Increase volume, check speaker connections, adjust audio output settings.

Problem	Possible Cause	Solution
GPS signal is weak or inaccurate.	GPS antenna improperly placed or obstructed.	Relocate the GPS antenna to a position with a clear view of the sky (e.g., A-Pillar).
Bluetooth connection issues.	Device not in pairing mode, interference, incorrect settings.	Ensure both devices are in pairing mode, try re-pairing, check Bluetooth settings on the stereo and phone.
Screen is unresponsive or frozen.	Software glitch.	Perform a soft reset (refer to the device's reset button location, if available, or power cycle the vehicle).

Custom Settings Passcode: The passcode for accessing custom settings on the device is**3368**.

8. SPECIFICATIONS

Feature	Specification
Display Size	13.3 Inches
Operating System	Android 10.0
Processor	A55 Octa-Core Processor, 1.8GHz (2*ARM Cortex A75 + 6*ARM Cortex A55)
RAM	4GB
ROM	64GB
Display Resolution	1920×1080 IPS
Bluetooth Version	5.0
Connectivity	Bluetooth, USB, Wi-Fi, 4G LTE (SIM card not included)
Special Features	Rotatable Screen, Wireless CarPlay, Android Auto, GPS Navigation, AM/FM Radio, Built-in DSP, 16 Band EQ, Steering Wheel Control Support, Reverse Camera Input, Picture-in-Picture
Audio Output Mode	Stereo (3 RCA Preouts: Front, Rear, Subwoofer output)
Digital Output	SPDIF Digital Coaxial Output
Mounting Type	Dashboard Mount (Double DIN)
Product Dimensions	12.8 x 7.7 x 6.5 inches

Feature	Specification
Item Weight	6.14 pounds

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Philosin product comes with a **1-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or any questions regarding your Philosin car stereo, please contact our customer service team. We are committed to providing support to ensure your satisfaction.



Image 9.1: Philosin customer service team.

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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