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UNITOPSCI N2042

UNITOPSCI N2042 Single DIN Car Stereo User Manual

Model: N2042

1. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these instructions may result in product damage, property damage, or personal injury. Keep this manual for future reference.

- **Professional Installation Recommended:** Due to the complexity of car electrical systems, professional installation is highly recommended.
- **Power Supply:** This unit is designed for a 12V DC power supply with a negative ground system.
- **Avoid Distractions:** Do not operate the unit or view videos while driving, as this can lead to accidents.
- **Volume Control:** Keep the volume at a level that allows you to hear outside traffic sounds.
- **Wiring:** Ensure all wiring is correctly connected to prevent short circuits or damage. Insulate unused wires.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.

2. PACKAGE CONTENTS

Verify that all items are present in the package before proceeding with installation.

Connection Reference & Wiring Diagram



- 1.Horn interface
- 2.Power interface
- 3.MIC interface
- 4.L-Audio output
- 5.R-Audio output
- 6.Video output 1
- 7.Video output 2
- 8.Video input
- 9.Rear view input
- 10.Antenna interface
- 11.USB interface

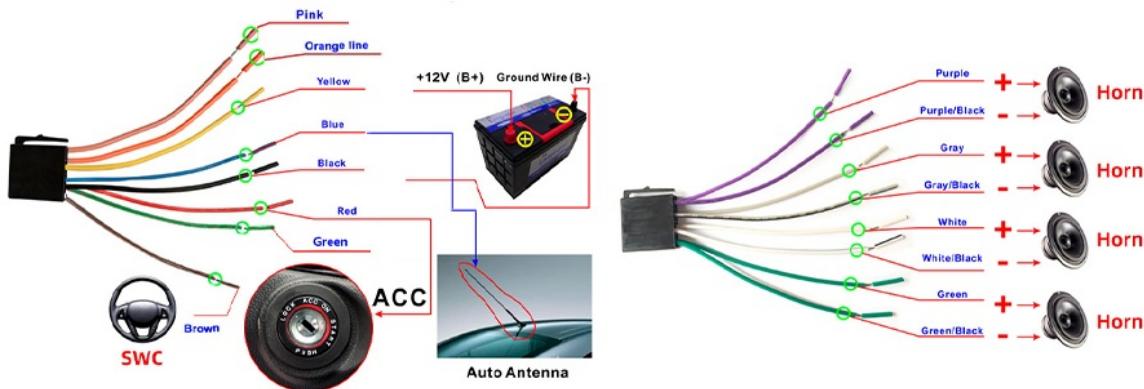


Image: Overview of the items included in the product package.

- 1 x UNITOPSCI N2042 Car MP5 Player
- 1 x Power Cable
- 1 x Horn Cable
- 1 x Remote Control (Batteries not included)
- 1 x Mounting Bracket
- 1 x User Manual
- 1 x 12 LEDs Backup Camera

3. PRODUCT OVERVIEW

The UNITOPSCI N2042 is a single DIN car stereo featuring a 5-inch IPS touchscreen, designed to enhance your in-car entertainment and connectivity. It supports wireless CarPlay and Android Auto for seamless smartphone integration.



Image: Front view of the car stereo unit along with the backup camera, remote control, and smartphone icons representing CarPlay and Android Auto.

Key Features:

- **5-inch IPS HD Touchscreen:** Provides a clear and responsive interface with a resolution of 1280*720.
- **Wireless CarPlay & Android Auto:** Integrates your smartphone for navigation, calls, messages, and music.
- **Bluetooth 5.1:** For hands-free calling and wireless audio streaming.
- **Mirror Link:** Supports screen mirroring for both iOS and Android devices.
- **FM/AM/RDS Radio:** Access to radio stations with automatic search and memory functions.
- **EQ Sound:** Customizable audio equalization settings.
- **Multiple Connectivity:** Dual USB, Type-C, and AUX-in ports.
- **Rear View Camera Input:** Automatic display of the rear camera feed when reversing.
- **Steering Wheel Control (SWC):** Compatible with existing steering wheel controls for convenience.
- **7-Color Backlight:** Customizable button illumination.

Wireless/Wired Carplay Android Auto & Mirrorlink

Carplay



Bluetooth



USB



Android Auto



Bluetooth



USB



Mirror Link



Wifi



USB



Image: Illustrates the responsive 5-inch IPS touchscreen, the customizable 7-color backlighting for buttons, and the unit's ability to play high-definition video.

4. INSTALLATION GUIDE

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional installer.

4.1 Wiring Diagram

Refer to the following diagram for correct wiring connections. Ensure all connections are secure and insulated.

Rear View Wiring



Trigger wire, label "back" or "reverse" on power cable



Reversing light positive

Backup light power

- RED : + 12V (in)
- Black : GND (in)



Image: Detailed diagram showing the rear interfaces of the car stereo and the corresponding wiring harness connections for power, speakers, and accessories.

1. **Horn Interface:** Connect to vehicle's speaker wires.
2. **Power Interface:** Connect to vehicle's power supply (ACC, B+, GND).
3. **MIC Interface:** For external microphone (if applicable).
4. **L-Audio Output:** Left channel audio output.
5. **R-Audio Output:** Right channel audio output.
6. **Video Output 1 & 2:** For connecting external displays.
7. **Video Input:** For external video sources.
8. **Rear View Input:** Connect to the backup camera's video signal.
9. **Antenna Interface:** Connect to the car's radio antenna.
10. **USB Interface:** For USB devices.

4.2 Rear View Camera Wiring

Connect the included backup camera according to the diagram below. The unit will automatically display the rear view when the vehicle is in reverse gear.



Image: Diagram illustrating how to connect the backup camera to the car stereo and the vehicle's reversing light for automatic activation.

- Connect the camera's video cable to the 'Rear View Input' on the stereo.
- Connect the camera's power cable (red wire) to the vehicle's reversing light positive (+12V).
- Connect the camera's ground wire (black wire) to a suitable ground point on the vehicle.
- Connect the trigger wire (labeled 'back' or 'reverse' on the power cable) to the reversing light positive.

5. SETUP AND INITIAL CONFIGURATION

5.1 Wireless CarPlay & Android Auto

This unit supports wireless connection for both Apple CarPlay and Android Auto. After the initial setup, your phone will automatically connect when you start the car.



Image: Visual representation of CarPlay, Android Auto, and Mirror Link functionalities, indicating connection methods like Bluetooth, USB, and WiFi.

1. Ensure your phone's Bluetooth and Wi-Fi are enabled.
2. On the car stereo, navigate to the CarPlay or Android Auto application.
3. Search for the car stereo's Bluetooth name (e.g., 'SWL-BT') on your phone and pair.
4. Confirm the pairing on both devices. The system will then establish a Wi-Fi connection for wireless CarPlay/Android Auto.
5. Follow any on-screen prompts to grant necessary permissions.

5.2 Bluetooth 5.1 Pairing

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

1. Enable Bluetooth on your mobile phone.
2. On the car stereo, select the Bluetooth icon to enter the Bluetooth interface.
3. Search for available devices on your phone and select 'SWL-BT'.
4. Confirm the pairing code if prompted.
5. Once connected, you can make/receive calls and play music wirelessly.

5.3 Mirror Link

Mirror your smartphone's screen onto the car stereo display.

1. On the car stereo, select the 'Mirror Link' or 'PhoneLink' application.
2. Follow the on-screen instructions for iOS or Android devices. This typically involves connecting via Wi-Fi or USB and granting permissions on your phone.

6. OPERATING INSTRUCTIONS

6.1 Basic Controls

The unit features physical buttons and rotary knobs for common functions, in addition to the touchscreen interface.

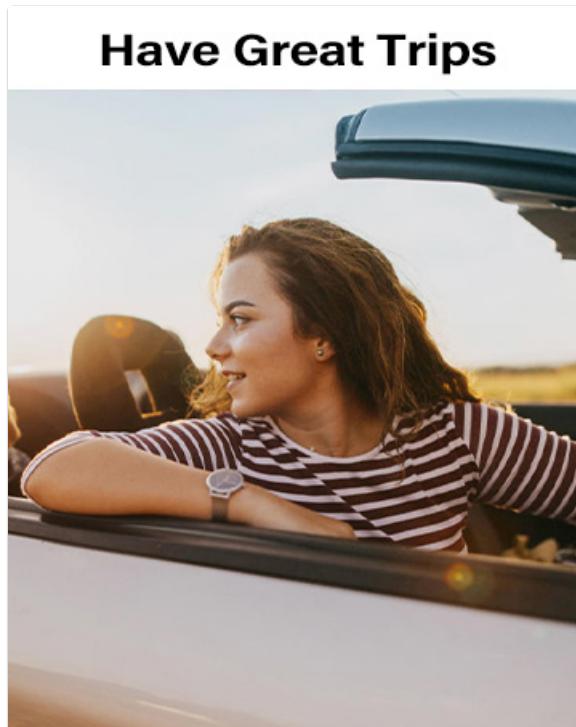


Image: Highlights the multi-function USB and AUX inputs, USB charging capability, and the intuitive button and knob design for easy control.

- **Volume Knobs:** Rotate to adjust volume. Press to mute/unmute or select options.
- **MODE Button:** Switches between different audio sources (Radio, USB, AUX, Bluetooth, CarPlay/Android Auto).
- **BAND Button:** In radio mode, switches between FM/AM bands.
- **MUTE Button:** Mutes or unmutes audio.
- **PAUSE Button:** Pauses or resumes media playback.
- **SET Button:** Accesses system settings.
- **MENU Button:** Accesses the main menu or specific function menus.

6.2 Radio (FM/AM/RDS)

The unit supports FM, AM, and RDS functions.

Bluetooth 5.1 Handsfree



Hey mom

I'm driving

Is little John at home?

I'll be home later

See you later



FM/AM/RDS Radio



EQ Adjustable



Image: Displays the Bluetooth dialing interface, the FM/AM radio tuner with station storage and automatic search options, and the graphic equalizer settings.

1. Select 'Radio' from the main menu or press the MODE button until 'Radio' is selected.
2. Use the 'BAND' button to switch between FM1, FM2, FM3, AM1, AM2.
3. **Automatic Search:** Press and hold the 'SEEK' button or the corresponding touchscreen icon to automatically search for and save strong stations.
4. **Manual Tuning:** Briefly press the 'SEEK' button or use the touchscreen arrows for manual tuning.
5. **RDS:** When available, RDS (Radio Data System) will display station information like program type or song title.

6.3 EQ Sound Settings

Customize your audio experience with the built-in equalizer.

1. From the main menu or during audio playback, access the 'EQ' or 'Sound Settings' option.
2. Choose from preset EQ modes (e.g., Jazz, Classic, Pop, Rock, User) or manually adjust frequency bands to your preference.

6.4 Media Playback (USB/Type-C/AUX-in)

Play audio and video files from external storage devices or auxiliary input.

1. Insert a USB drive into one of the USB ports or connect a device via the Type-C or AUX-in port.
2. The unit will automatically detect the device and switch to the corresponding input, or you can select it manually via the MODE button.
3. Browse and select your desired media files using the touchscreen.

6.5 Steering Wheel Control (SWC)

If your vehicle supports it, you can configure the unit to work with your existing steering wheel controls.

Steering Wheel Control & Rear View Camera



Image: Shows the menu for configuring steering wheel controls and a simulated view of the rear camera display with parking guidelines.

1. Access the 'Steering Wheel Control' settings in the system menu.
2. Follow the on-screen instructions to program each button on your steering wheel to the desired function on the stereo.

6.6 Rear View Camera Operation

When the vehicle is shifted into reverse gear, the unit will automatically display the feed from the connected rear view camera.

- Ensure the camera is correctly installed and wired as per Section 4.2.
- The display will revert to the previous screen when the vehicle is taken out of reverse.

6.7 Colorful Backlights

Customize the color of the unit's button backlighting.

- Navigate to the 'Display' or 'Backlight' settings in the system menu.
- Choose from the seven available color options to personalize the unit's appearance.

7. MAINTENANCE

To ensure the longevity and optimal performance of your UNITOPSCI N2042 car stereo, follow these maintenance guidelines:

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. For stubborn smudges, slightly dampen the cloth with water or a screen-cleaning solution. Avoid harsh chemicals or abrasive materials.
- **General Cleaning:** Use a dry, soft cloth to clean the unit's body and buttons. Do not use liquid cleaners directly on the unit.

- **Avoid Extreme Conditions:** Protect the unit from direct sunlight, excessive heat, and moisture.
- **Firmware Updates:** Periodically check the UNITOPSCI website for any available firmware updates to improve performance and add new features. Follow update instructions carefully.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle battery issue.	Check power and ground connections. Inspect vehicle fuses. Ensure battery is charged.
No sound	Speaker wires disconnected; Volume too low; Mute function active; Incorrect audio source.	Verify speaker connections. Increase volume. Disable mute. Select correct audio source.
Bluetooth not connecting	Bluetooth not enabled on phone/stereo; Incorrect pairing process; Interference.	Ensure Bluetooth is on. Delete previous pairings and re-pair. Move phone closer to unit.
CarPlay/Android Auto not working	Phone not compatible; Wi-Fi/Bluetooth issues; App permissions not granted.	Check phone compatibility. Ensure Wi-Fi and Bluetooth are active. Grant all necessary app permissions. Restart phone and stereo.
Rear camera not displaying	Incorrect camera wiring; Camera faulty; Trigger wire not connected.	Verify all camera connections (power, video, trigger). Test camera functionality.
Touchscreen unresponsive	System freeze; Dirt on screen.	Restart the unit (turn off car ignition and restart). Clean the screen.

If the problem persists after trying these solutions, please contact UNITOPSCI customer support.

9. SPECIFICATIONS

Feature	Specification
Model	N2042
Screen Size	5.0 inches
Screen Resolution	1280*720 IPS
Voltage	12V
Working Temperature	-20°C ~ 60°C
Audio Amplifier	7388
Radio Range	FM 87.5~108.0MHz, AM

Feature	Specification
Bluetooth Version	5.1 (BT Name: SWL-BT)
Output Power	4*60W
USB Interface	USB2.0 (Dual USB, Type-C)
Reversing Input	CVBS
External Microphone	Support
Marquee Colorful Lights	Support (7 colors)
Audio Format	MP3/WMA/WAV/APE/FLAC
Video Format	MKV/AVI/TS/TP/MP4/M4V (Max Bit Rate 50Mbps-80Mbps)
Languages	English, French, Spanish, Russian, Italian, Portuguese, German, Polish, Chinese (simplified), Turkish, Arabic, Hebrew
Product Dimensions	8.61 x 17.6 x 7.9 cm
Item Weight	740 g

10. WARRANTY AND SUPPORT

UNITOPSCI is committed to providing high-quality products and customer satisfaction.

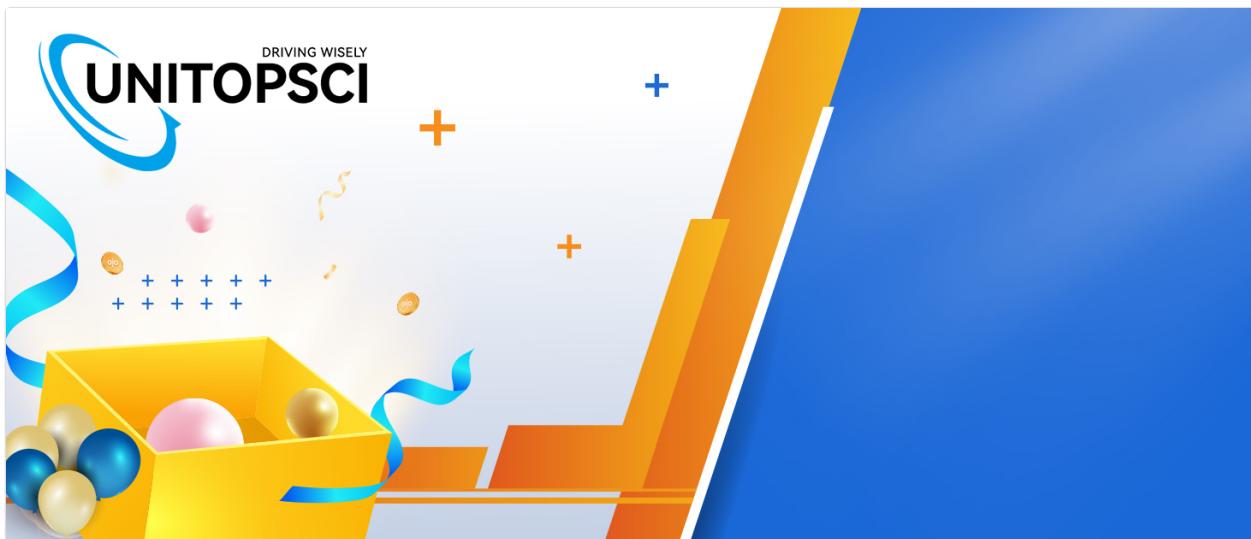


Image: UNITOPSCI brand banner.

- **Replacement Policy:** Replacement available within 24 months of purchase.
- **Return Policy:** 60-day no-worry return period.
- **After-Sales Support:** Lifetime after-sales consultation and technical support.
- **Quick Response:** Customer inquiries typically receive a response within 16 hours.

For any technical assistance, warranty claims, or product inquiries, please contact us:

Email: UNITOPSCI@126.com

Related Documents - N2042

 <p>MPS car multimedia player Carplay - Android Auto Function manual</p>	<p>MP5 Car Multimedia Player: Android Auto and CarPlay Function Manual</p> <p>A comprehensive manual for the MP5 car multimedia player, detailing the setup and usage of Android Auto and CarPlay functions. Learn how to connect your smartphone for enhanced in-car entertainment and navigation.</p>
	<p>UNITOPSCI 1 Din Car Stereo MP5 Player Instruction Manual</p> <p>Instruction manual for the UNITOPSCI 1 Din Car Stereo MP5 Player with FM Radio, Bluetooth, USB/Micro SD reader, and Rear View camera support. Includes installation, troubleshooting, and operation details.</p>
	<p>MP5 & FM Receiver 7.0 inch TFT LCD Instruction Manual</p> <p>Instruction manual for the MP5 & FM Receiver with a 7.0 inch TFT LCD, covering installation, precautions, wiring diagrams, specifications, features, and troubleshooting.</p>
 <p>MPS car multimedia player Carplay - Android Auto Function manual</p>	<p>MP5 Car Multimedia Player: Android Auto and CarPlay Function Manual</p> <p>A comprehensive manual for the MP5 car multimedia player, detailing the setup and usage of Android Auto and CarPlay functions. Learn how to connect your smartphone for enhanced in-car entertainment and navigation.</p>
	<p>Android Car Media Player Instructions - HC</p> <p>Comprehensive instructions for the HC Android Car Media Player, covering intelligent voice control, mirror link, offline maps, supported devices, wiring diagrams, and technical parameters.</p>
	<p>RF Exposure Evaluation Report for MP5 Double Din/Single Din Car Stereo (Model A3262, FCC ID: 2BPER-A3262)</p> <p>This RF Exposure Evaluation Report details the compliance of the MP5 Double Din/Single Din Car Stereo (Model A3262, FCC ID: 2BPER-A3262) with FCC regulations for radio frequency radiation, performed by Shenzhen Most Technology Service Co., Ltd.</p>