UNITOPSCI UT-4022D

UNITOPSCI Multimedia Car Stereo User Manual

Model: UT-4022D

Introduction

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your UNITOPSCI UT-4022D Multimedia Car Stereo. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

Safety Information

- Do not operate the device in a manner that distracts you from driving. Always prioritize road safety.
- Ensure all wiring is correctly connected before powering on the unit to prevent damage or fire.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Do not attempt to disassemble or modify the unit. Refer all servicing to qualified personnel.
- Keep the volume at a level that allows you to hear external traffic sounds.

Package Contents

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

- 1 x UNITOPSCI Car Stereo (UT-4022D)
- 1 x Backup Camera
- 1 x Power Cable
- 1 x Audio Cable
- 1 x Steering Wheel Control (Battery Not included)
- 1 x User Manual



Figure 1: Product and Package List. This image displays the main car stereo unit along with all included accessories such as the backup camera, steering wheel control, and various cables, providing a visual confirmation of the package contents.

Product Overview

The UNITOPSCI UT-4022D is a single DIN multimedia car stereo designed for enhanced in-car entertainment and convenience. It features a 4.1-inch digital screen, Bluetooth connectivity, FM radio, and support for various media formats via USB and TF card.

Front Panel Controls and Ports



Figure 2: Front Panel Layout and Functions. This diagram highlights the key controls and ports on the front of the car stereo, such as the volume knob, USB port, AUX input, TF card slot, and various buttons for navigation and mode selection.

Familiarize yourself with the following main components:

- **Power/Mode Button:** Press to turn on/off, short press to switch modes (FM/AUX/USB/TF/BT).
- **Volume Knob:** Rotate to adjust volume. Press to mute/unmute.
- **USB Port:** For connecting USB flash drives for media playback.
- **TF Card Slot:** For inserting TF (microSD) cards for media playback.
- **AUX Input:** 3.5mm jack for connecting external audio devices.
- **MIC:** Built-in microphone for hands-free calling.
- **IR:** Infrared receiver for remote control.
- **Display Screen:** 4.1-inch digital TFT screen for displaying information and video.

Setup and Installation

Proper installation is crucial for the performance and longevity of your car stereo. If you are unsure about any steps, it is recommended to seek professional assistance.

Pre-installation Checks

- Ensure your vehicle's electrical system is 12V DC.
- Disconnect the vehicle's negative battery terminal before starting installation to prevent short circuits.
- Test the car stereo for basic functionality (power on) by connecting only the power cables (Red to ACC+, Yellow to battery positive, Black to battery negative) before full installation.

Wiring Diagram

Follow the wiring diagram carefully. Incorrect wiring can cause damage to the unit or vehicle.

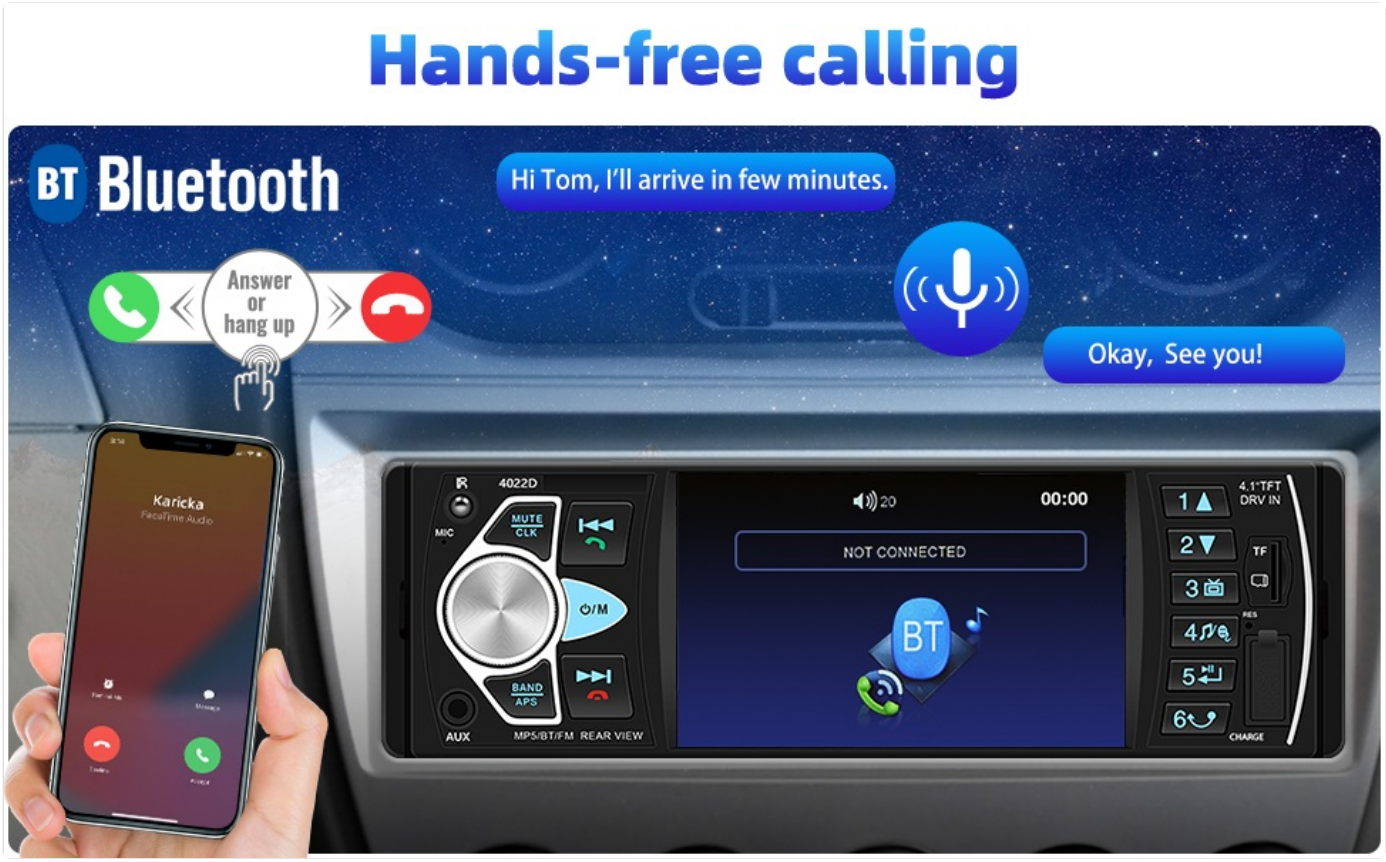


Figure 3: Main Wiring Diagram. This diagram illustrates the necessary electrical connections for the car stereo, including power supply, speaker outputs, antenna input, and dedicated inputs for the reverse camera and video/audio outputs.

- **Yellow Wire (B+):** Connect to the constant 12V power supply from the car battery.
- **Red Wire (ACC):** Connect to the ignition switch (ACC) 12V power supply.
- **Black Wire (GND):** Connect to a good chassis ground point in the vehicle.
- **Blue Wire (ANT):** Connect to the auto antenna control wire (if applicable).
- **Orange Wire (ILL):** Connect to the vehicle's illumination wire.
- **Brown Wire (BACK):** Connect to the reverse light positive wire for automatic camera display.
- **Speaker Wires:** Connect to your vehicle's speakers (e.g., White/White-Black for Front Left, Gray/Gray-Black for Front Right, Green/Green-Black for Rear Left, Purple/Purple-Black for Rear Right). Ensure correct polarity.
- **Video Input (CAM IN):** Connect the video cable from the backup camera.
- **Video Output (V-OUT):** For connecting to an external monitor.
- **Audio Output (L/R):** For connecting to an external amplifier.

Rear View Camera Installation

The included 12 LED rear view camera provides a wide-angle view for safer reversing.

1. Mount the camera securely at the rear of your vehicle, typically near the license plate light.
2. Connect the camera's power cable to the vehicle's reverse light power supply (positive and negative). This ensures the camera powers on when reverse gear is engaged.
3. Route the video cable from the camera to the car stereo's "CAM IN" port.
4. Connect the brown "BACK" wire from the stereo's wiring harness to the reverse light positive wire.

Steering Wheel Control Installation

The included steering wheel control allows for convenient operation without taking your hands off the wheel. The remote requires batteries (not included).



Figure 4: Steering Wheel Control Mounting. This image provides a visual guide on how to attach the steering wheel control remote to your vehicle's steering wheel for easy access to functions.

1. Insert the required batteries into the steering wheel control remote.
2. Attach the remote to your steering wheel using the provided strap or mounting mechanism, ensuring it is secure and does not obstruct driving.
3. The steering wheel control communicates with the stereo via infrared. Ensure the remote has a clear line of sight to the stereo's IR receiver.

Operating Instructions

Power On/Off and Mode Selection

- **Power On:** Turn on your vehicle's ignition. The stereo should power on automatically. If not, press the **Power/Mode** button.
- **Power Off:** Turn off your vehicle's ignition. The stereo will power off. Alternatively, press and hold the **Power/Mode** button.
- **Mode Selection:** Short press the **Power/Mode** button to cycle through available modes: FM Radio, AUX Input, USB Playback, TF Card Playback, Bluetooth Audio.

Volume Control

- Rotate the **Volume Knob** clockwise to increase volume, counter-clockwise to decrease.
- Press the **Volume Knob** to mute or unmute the audio.

FM Radio Operation



Figure 5: FM Radio Interface. This image displays the car stereo's screen while in FM radio mode, showing the current frequency and options for saving preset stations. The steering wheel control is also visible, indicating its use for radio functions.

- Switch to FM mode using the **Power/Mode** button.
- **Auto Scan:** Press the **BAND/APS** button to automatically scan and save strong stations to presets.
- **Manual Tuning:** Use the **Previous/Next Track** buttons to fine-tune the frequency.
- **Preset Selection:** Use the numbered buttons (1-6) to select saved radio stations.

Media Playback (USB/TF Card)



Figure 6: HD Video Playback. This image demonstrates the car stereo's ability to play high-definition video files from a USB drive or TF card, showcasing the visual quality on its 4.1-inch screen.

- Insert a USB flash drive into the **USB Port** or a TF card into the **TF Card Slot**. The unit will automatically switch to the corresponding mode and begin playback.
- **Play/Pause:** Press the **Play/Pause** button.
- **Next/Previous Track:** Use the **Next/Previous Track** buttons.
- **Fast Forward/Rewind:** Press and hold the **Next/Previous Track** buttons.
- Supported video formats include AVI, MP4, MKV, RM, RMVB.

Bluetooth Connectivity and Hands-Free Calling



Figure 7: Bluetooth Hands-Free Calling. This image demonstrates the Bluetooth functionality, allowing users to connect their mobile phones for hands-free communication, with visual cues on the stereo screen for connection status.

- **Pairing:** Switch the stereo to Bluetooth mode. On your mobile device, search for Bluetooth devices and select "CAR-BT". Enter "0000" if a PIN is required.
- **Hands-Free Calling:** Once paired, you can answer incoming calls by pressing the **Answer** button on the stereo or steering wheel control. Press the **Hang Up** button to end a call.
- **Bluetooth Audio:** Play music from your paired device directly through the car stereo. Use the stereo's controls or your phone to manage playback.
- *Note: This unit does not support dialing phone numbers directly from the radio.*

Rear View Camera Function



Figure 8: HD Reverse Image Display. This image illustrates how the car stereo automatically displays the rear view camera feed when the vehicle is shifted into reverse, providing a clear visual aid for parking and maneuvering.

- When the vehicle is shifted into reverse gear, the stereo display will automatically switch to the rear view camera feed.
- Parking guidelines will appear on the screen to assist with parking maneuvers.
- The display will return to the previous mode once reverse gear is disengaged.

Maintenance

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel and screen. For stubborn dirt, dampen the cloth slightly with water. Do not use abrasive cleaners or solvents.
- **Preventing Damage:** Avoid dropping the unit or subjecting it to strong impacts. Do not block ventilation openings.
- **Temperature:** Operate the unit within the specified temperature range (-10°C to 60°C).

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; Loose connection	Check power (Yellow, Red, Black) wire connections. Verify fuse. Ensure secure connections.
No sound	Volume too low/muted; Incorrect speaker wiring; Incorrect audio source	Increase volume, check mute. Verify speaker wire polarity and connections. Select correct audio source.
Bluetooth not connecting	Not in pairing mode; Device not discoverable; Interference	Ensure stereo is in BT mode. Make sure phone's Bluetooth is on and discoverable. Try restarting both devices.
Rear camera not displaying	Camera power issue; Video cable loose; Reverse trigger wire not connected	Check camera power supply. Ensure video cable is securely connected to CAM IN. Verify brown BACK wire connection.
USB/TF card not recognized	Unsupported format; Corrupted media; Card/drive not inserted correctly	Ensure media is formatted correctly (FAT32). Check for corrupted files. Reinsert card/drive. Try a different media device.

SPECIFICATIONS

Feature	Specification
Model Number	UT-4022D
Screen Size	4.1 inches Digital TFT
Screen Resolution	854*480
Product Dimensions	7.4 x 2.48 x 2.28 inches (188 x 63 x 58 mm)
Item Weight	1.87 pounds
Power Output	60W (Max)
Operating Voltage	DC 12V
Operating Temperature	-10℃ to 60℃
Wireless Communication	Bluetooth 2.0 (Bluetooth name: CAR-BT)
Connectivity Technologies	Auxiliary, USB, TF Card
Supported Video Formats	AVI, MP4, MKV, RM, RMVB
Audio Encoding	Stereo
Audio Output Mode	Stereo
Surround Sound Channel Config	4.1
Controller Type	Push Button
Compatible Devices	Speaker

Feature	Specification
Connector Type	3.5mm Jack, USB

Warranty and Support

UNITOPSCI is committed to providing high-quality products and satisfactory services.

- **Replacement:** Replacement is available within 24 months from the date of purchase.
- **Returns:** Enjoy a 60-day no-worry return policy.
- **Technical Support:** Lifetime after-sales consultation and technical support are provided.

For any technical issues or support inquiries, please contact us:

- **Email Support:** UNITOPSCI@126.com (Expect a reply within 24 hours)
- **Amazon Seller Central:** Contact us directly through Amazon Seller Central for assistance.

© 2024 UNITOPSCI. All rights reserved.

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