

hexahedron LYLG-7018B

hexahedron Double Din Car Stereo LYLG-7018B User Manual

Model: LYLG-7018B

1. PRODUCT OVERVIEW

The hexahedron LYLG-7018B is a versatile double din car stereo featuring a 7-inch touchscreen display. It integrates various functionalities including Bluetooth connectivity, Mirror Link, FM radio, and support for USB/TF/AUX media playback. This unit is designed to enhance your in-car entertainment and communication experience.

Key Features:

- **7-inch Touchscreen Display:** Intuitive interface for navigation and control.
- **Bluetooth 5.0 Connectivity:** For wireless audio streaming and hands-free calling.
- **Backup Camera Support:** Integrated input for a reversing camera with automatic display.
- **Multimedia Playback:** Supports MP3, WMA, AVI, and XVID audio and video formats.
- **Mirror Link Function:** Syncs smartphone content to the stereo display via USB.
- **FM Tuner:** Access to radio stations.
- **Steering Wheel Remote Control:** For convenient operation.
- **USB/TF/AUX Inputs:** Multiple options for media and charging.
- **EQ Sound Settings:** Customizable audio equalization.
- **7-Color Backlight:** Adjustable button illumination.



Image 1.1: Overview of the 7-inch Double Din Car Stereo with key feature icons.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Failure to follow these guidelines may result in injury or damage to the unit or vehicle.

- **Professional Installation Recommended:** For optimal performance and safety, professional installation is advised.
- **Power Supply:** Ensure the unit is connected to a 12V DC power supply with negative grounding.
- **Wiring:** Incorrect wiring can cause damage. Refer to the wiring diagram carefully.
- **Driving Safety:** Do not operate the unit 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.
- **Moisture:** Keep the unit away from water and excessive moisture.
- **Cleaning:** Use a soft, dry cloth for cleaning. Avoid abrasive cleaners.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Double Din Car Stereo Unit
- Backup Camera
- External Microphone
- Steering Wheel Remote Control
- Power Wiring Harness
- RCA Cables
- Mounting Brackets
- User Manual (this document)



Image 3.1: The hexahedron car stereo unit and its main accessories.

4. PRODUCT COMPONENTS AND CONTROLS

Familiarize yourself with the various parts and controls of your car stereo unit.

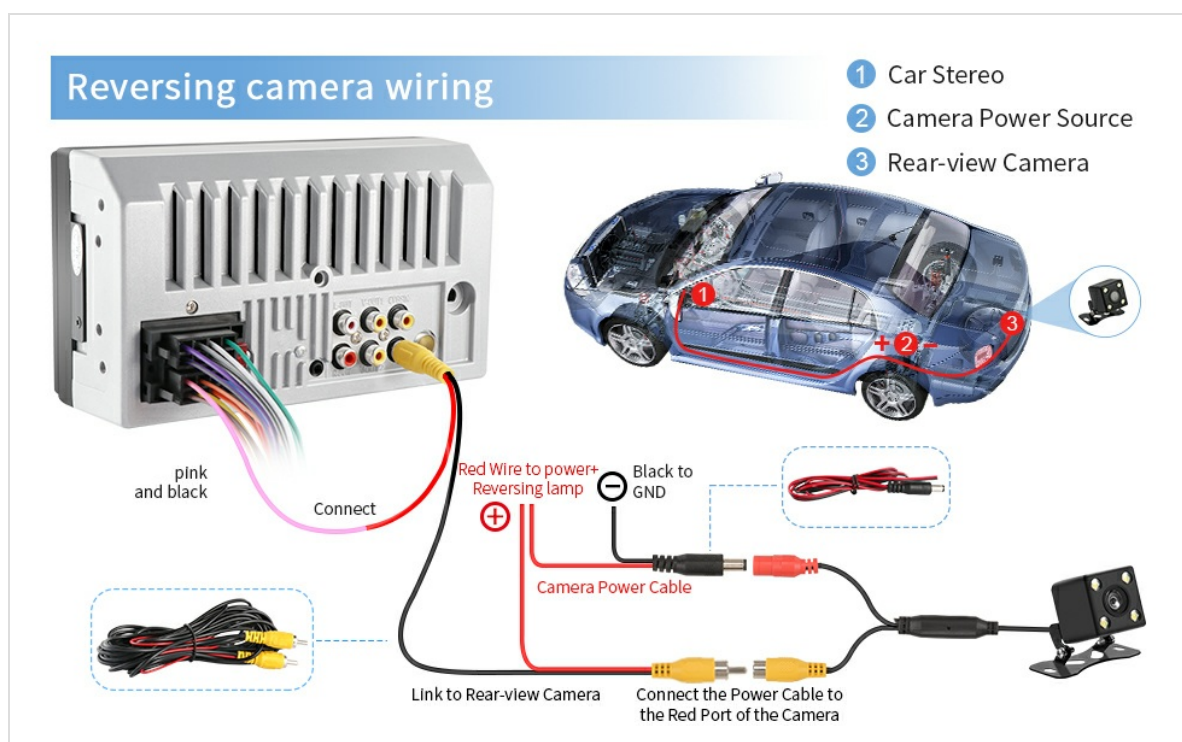


Image 4.1: Front panel controls, rear wiring connections, and included accessories.

Front Panel Controls:

- **MIC:** Built-in microphone.
- **IR:** Infrared receiver for remote control.
- **Power/Mode Button:** Press to turn on/off, short press to cycle modes.
- **Volume Knob:** Rotate to adjust volume, press to mute/unmute.
- **USB Slot:** For USB drives and Mirror Link connection.
- **TF Card Slot:** For microSD cards.
- **AUX Input:** 3.5mm audio input jack.
- **Reset Button (RES):** Small hole for factory reset (use a thin object).

5. INSTALLATION GUIDE

Proper installation is crucial for the stereo's performance. If you are unsure about any steps, consult a professional installer.

5.1 Pre-Installation Checks:

- Ensure your vehicle has a double din opening (approximately 7 inches long, 3.9 inches high).
- Disconnect the vehicle's negative battery terminal before starting any wiring.
- Verify all included accessories are present.



Radio size: 7in long, 3.9in high , Radio does not include frame kit



Please note that it will not fit if the size does not match

5.2 Wiring Instructions:

Refer to the detailed wiring diagram (Image 4.1) for all connections. Match the wires from the stereo harness to your vehicle's wiring harness.

- **Yellow Wire (+12V Constant Power Supply):** Connect to the vehicle's constant 12V power source.
- **Red Wire (+12V Accessory / Switch):** Connect to the vehicle's ignition switch (ACC).
- **Black Wire (Ground):** Connect to the vehicle's chassis ground.
- **Orange Wire (Illuminate Backlight):** Connect to the vehicle's headlight detection wire.
- **Pink Wire (Reversing Camera Control Wire):** Connect to the vehicle's reverse light positive wire.
- **Speaker Wires:** Connect the corresponding speaker wires (Green, White, Gray, Purple) to your vehicle's speakers, ensuring correct polarity (+/-).
- **Antenna:** Connect the radio antenna.
- **Audio Output (RCA):** For connecting external amplifiers.
- **Video Output:** For connecting external displays.
- **Video Input:** For connecting the backup camera.

5.3 Backup Camera Installation:

The included backup camera provides a clear view when reversing.

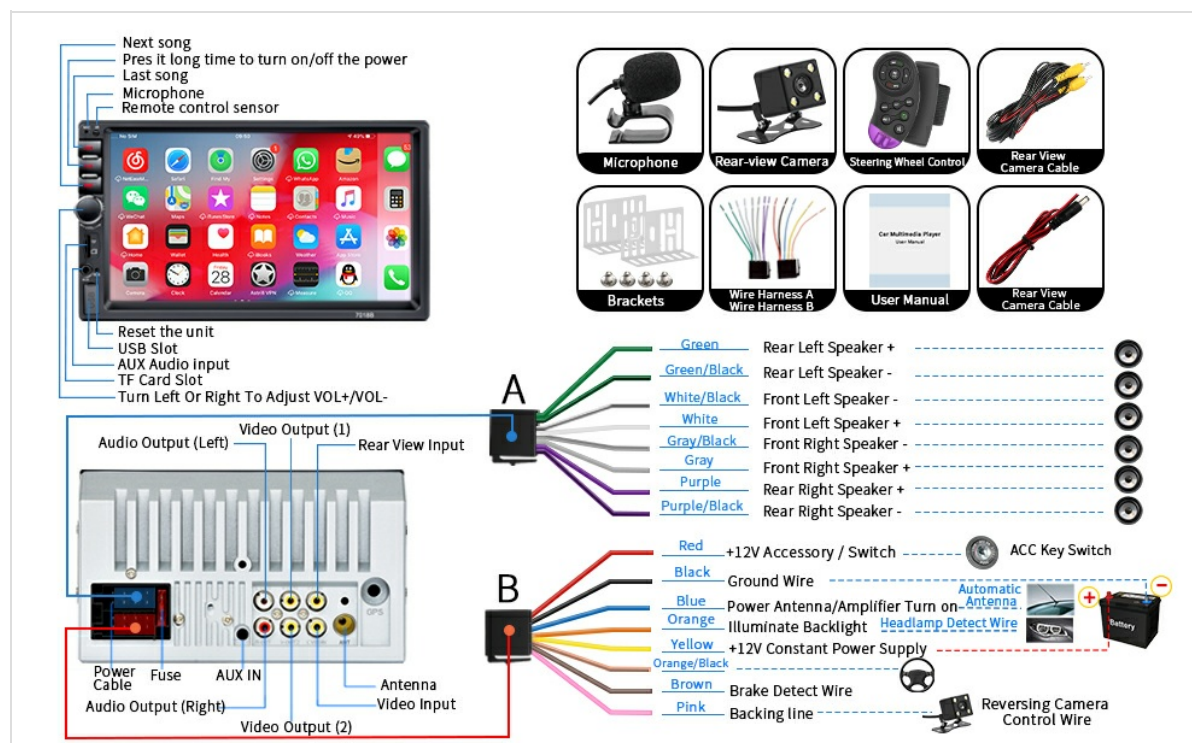


Image 5.2: Reversing camera wiring diagram.

- Mount the backup camera securely at the rear of your vehicle.
- Connect the camera's video cable to the "Video Input" (usually a yellow RCA jack) on the stereo's rear panel.
- Connect the camera's power cable (red wire) to the vehicle's reversing lamp positive wire.
- Connect the camera's ground wire (black wire) to a suitable chassis ground point.
- Connect the stereo's "Reversing Camera Control Wire" (Pink wire) to the vehicle's reverse light positive wire. This signal tells the stereo to switch to the camera view when reverse gear is

engaged.

6. BASIC OPERATION

6.1 Power On/Off:

Press the power button (usually labeled with a power icon or integrated with the mode button) to turn the unit on or off. The unit will automatically power on when the vehicle's ignition is turned on (if wired correctly).

6.2 Volume Control:

Rotate the volume knob on the front panel to increase or decrease the audio level. Press the volume knob to quickly mute or unmute the sound.

6.3 Mode Selection:

Short press the mode button (often labeled 'M' or integrated with the power button) to cycle through available audio sources such as FM Radio, Bluetooth Audio, USB, TF Card, and AUX input.

7. FEATURE OPERATION

7.1 Bluetooth Connectivity:

Connect your smartphone wirelessly for hands-free calling and audio streaming.



Image 7.1: Bluetooth hands-free calling and music streaming.

1. Enable Bluetooth on your smartphone.
2. On the stereo, select the Bluetooth mode.
3. Search for available devices on your phone and select "LYLG-7018B" (or similar name).
4. Confirm pairing if prompted.
5. Once connected, you can make/receive calls and play music through the stereo.

7.2 Mirror Link Function:

Display your smartphone's screen directly on the stereo's display.



Mirror Link

Sync cell phone content to the big screen via USB cable.

Image 7.2: Mirror Link functionality with a smartphone connected via USB.

1. Connect your smartphone to the stereo's USB port using a high-quality USB cable.
2. Follow the on-screen prompts on both your phone and the stereo to enable Mirror Link. This may involve installing a specific app on your phone.
3. Once connected, your phone's screen will be mirrored on the stereo display.

7.3 FM Radio:

Access and tune into FM radio stations.



Image 7.3: FM Radio interface.

1. Select the FM Radio mode.
2. Use the touchscreen controls to scan for stations or manually tune to a specific frequency.
3. Save your favorite stations to preset buttons for quick access.

7.4 USB/TF/AUX Input:

Play media from USB drives, TF cards, or external audio devices.

- **USB:** Insert a USB drive into the USB slot. The unit will automatically detect and play compatible media files.
- **TF Card:** Insert a TF (microSD) card into the TF card slot. The unit will automatically detect and play compatible media files.
- **AUX:** Connect an external audio device (e.g., MP3 player) to the 3.5mm AUX input using an audio cable. Select AUX mode on the stereo.

7.5 Backup Camera Display:

When the vehicle is shifted into reverse gear, the stereo will automatically display the feed from the connected backup camera.



Image 7.4: Reversing camera view with parking guidelines and key features.

7.6 Steering Wheel Control:

Use the included steering wheel remote control for convenient access to common functions.

- Ensure the steering wheel remote is properly paired or configured with the stereo (refer to the stereo's settings menu for steering wheel control setup).
- Buttons typically include volume up/down, track skip, and call answer/end.

7.7 EQ Sound Settings:

Customize the audio output to your preference using the Equalizer (EQ) settings.

- Access the EQ settings through the main menu or audio settings.
- Adjust bass, treble, balance, and fader settings.
- Select from preset EQ modes (e.g., Pop, Rock, Classic) or create a custom profile.

7.8 7-Color Backlight:

Personalize the button illumination color.

- Navigate to the system settings or display settings menu.
- Choose from the available 7 colors or set it to cycle automatically.

8. MAINTENANCE

To ensure the longevity and optimal performance of your 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-safe cleaner. Avoid harsh chemicals.
- **General Cleaning:** Keep the unit free from dust and debris. Use a soft brush or compressed air to clean around buttons and ports.
- **Avoid Liquids:** Do not spill liquids on the unit. If liquid enters the unit, disconnect power immediately and consult a professional.
- **Temperature Control:** Avoid leaving the unit in direct sunlight or extreme temperatures for extended periods, as this can affect performance and lifespan.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power	Incorrect wiring, blown fuse, loose connection.	Check power and ground connections. Verify vehicle's fuse box and stereo's fuse. Ensure ACC wire is connected.
No sound	Speaker wires incorrectly connected, volume too low, mute function active, incorrect audio source.	Check speaker wiring polarity. Increase volume. Disable mute. Select correct audio source.
Bluetooth not connecting	Bluetooth not enabled on phone/stereo, device not in pairing mode, interference.	Ensure Bluetooth is active on both devices. Put stereo in pairing mode. Delete previous pairings and try again. Move closer to the unit.
Mirror Link not working	Faulty USB cable, incompatible phone, required app not installed, incorrect settings.	Use a high-quality USB cable. Check phone compatibility. Install any necessary Mirror Link apps. Ensure USB debugging is enabled on Android phones.
Backup camera not displaying	Camera wiring incorrect, reverse trigger wire not connected, faulty camera.	Verify camera power and video connections. Ensure the pink reverse trigger wire is connected to the vehicle's reverse light.
Touchscreen unresponsive	System crash, temporary software issue.	Press the RESET button with a thin object. If issue persists, disconnect battery for a few minutes.

10. SPECIFICATIONS

Detailed technical specifications for the hexahedron LYLG-7018B car stereo:

Feature	Specification
Model Number	LYLG-7018B

Feature	Specification
Display Size	7 inches
Connectivity Technology	Bluetooth, USB, Wi-Fi (for Mirror Link functionality)
Controller Type	Touchscreen
Special Features	Built-In Bluetooth, FM Tuner, Hands-Free Calling, Screen Mirroring, Touchscreen
Compatible Devices	Smartphone, Speaker
Connector Type	3.5mm Jack, USB
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Video Encoding	XVID
Item Weight	1.78 pounds
Package Dimensions	8.15 x 5.87 x 5.04 inches
Manufacturer	hexahedron
Date First Available	October 29, 2022

11. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation provided at the time of purchase or contact the retailer/manufacturer directly. Specific warranty terms and support channels may vary.

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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

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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