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› VIGORWORK JSD-3001 1-DIN Car Radio Instruction Manual

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VIGORWORK JSD-3001 1-DIN Car Radio Instruction Manual

Model: JSD-3001

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VIGORWORK JSD-3001 1-DIN Car Radio. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage.



Image 1.1: Front view of the VIGORWORK JSD-3001 car radio unit.

2. SAFETY INFORMATION

- Do not operate the unit in a manner that distracts you from driving. Always prioritize road safety.
- Ensure proper wiring and insulation to prevent short circuits and electrical hazards.
- Consult a professional for installation if you are unsure about any steps.
- Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Do not attempt to disassemble or modify the unit. This may void the warranty and cause damage.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x VIGORWORK JSD-3001 4.1" Car Player
- 1 x Remote Control

- 1 x ISO Connector Cable
- 1 x User Manual (this document)



Image 3.1: Contents of the VIGORWORK JSD-3001 package.

4. PRODUCT OVERVIEW

4.1 Key Features

- 4.1 Inch TFT 800 x 480 Capacitive Touch-Screen with 1080P video support.
- Bluetooth for hands-free calling and audio streaming.
- FM Radio tuner.
- USB and TF Card inputs for media playback.
- AUX IN for external audio devices.
- Mirror Link function for Android phones.
- Rear View Camera input for parking assistance.
- Electronic volume, treble, bass, balance, and fader controls.

- Last position memory for media playback.
- Digital real-time clock display.
- 4 x 60W high power output.
- ISO connector for simplified installation.
- Supports multiple languages.

4.2 Front Panel Layout



Image 4.1: The 4.1-inch capacitive touch screen and main controls.

The front panel features a 4.1-inch capacitive touch screen for intuitive control. Key physical buttons include:

- **MODE:** Switches between radio, USB, TF card, AUX, and Bluetooth modes.
- **BAND:** Selects radio bands (FM1, FM2, FM3).
- **SEL (Rotary Knob):** Adjusts volume, and when pressed, cycles through audio settings (Bass, Treble, Balance, Fader).
- **Power Button:** Turns the unit on/off.

- **USB Port:** For connecting USB storage devices.
- **TF Card Slot:** For inserting TF (MicroSD) cards.
- **AUX Input:** 3.5mm jack for external audio sources.

5. SETUP AND INSTALLATION

5.1 Wiring Diagram

The unit uses a standard ISO connector for power and speaker connections. Refer to the wiring diagram provided with your vehicle's manual or consult a professional installer. Ensure all connections are secure and properly insulated.

- **Yellow Wire:** Constant 12V (Battery Positive)
- **Red Wire:** ACC 12V (Ignition Switch Positive)
- **Black Wire:** Ground (Chassis Ground)
- **Blue Wire:** Antenna/Amplifier Remote Turn-on
- **Brown Wire:** Rear View Camera Trigger (connect to reverse light positive)
- **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).

5.2 Mounting the Unit

The JSD-3001 is a 1-DIN sized unit. Install it into your vehicle's dashboard opening using the provided mounting hardware. Ensure the unit is securely fastened to prevent movement during driving.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the power button on the front panel.
- **Volume Adjustment:** Rotate the SEL knob.
- **Mode Selection:** Press the MODE button to cycle through available sources (Radio, USB, TF, AUX, Bluetooth).
- **Audio Settings:** Press the SEL knob to enter audio settings. Rotate the knob to adjust Bass, Treble, Balance, and Fader. Press SEL again to confirm or exit.

6.2 Radio Operation

- **Band Selection:** In Radio mode, press the BAND button to switch between FM1, FM2, and FM3.
- **Automatic Scan:** Press and hold the AMS button to automatically scan and store strong stations.
- **Manual Tuning:** Use the << and >> buttons to manually tune frequencies.
- **Preset Stations:** Touch the numbered buttons (1-6) on the screen to select stored stations. To store a station, tune to the desired frequency, then press and hold a numbered button until you hear a beep.

6.3 Media Playback (USB/TF Card/AUX)

- **USB/TF Card:** Insert a USB drive or TF card into the respective slot. The unit will automatically switch to USB/TF mode and begin playback. Supported formats include RM/RMVB/MP1/MP2/DIVX/XVID/MP4/H263/H264/FLV/3GP/SWF/AVI/ASF/MJPEG for video, and MP3/M4A/WAV/OGG/AAC/MKA/MIDI/APE/FLAC/M3U/M3U8 for audio.

- **AUX Input:** Connect an external audio device (e.g., smartphone, MP3 player) to the 3.5mm AUX IN jack on the front panel. Select AUX mode using the MODE button.

Sound quality enhancement

C A R R A D I O A U T O A U D I O S T E R E O

support the adjusting of multiple sound effect models and independent outout Audio

support formats: MP3, M4A, WAV, OGG, OGA, AAC, MKA, MIDI,
APE, FLAC, M3U, M3U8



Image 6.1: Demonstrating media playback and sound quality features.

6.4 Bluetooth Operation

The unit supports Bluetooth for hands-free calling and audio streaming.

1. Pairing:

- Turn on the unit and enable Bluetooth on your mobile phone.
- Search for Bluetooth devices on your phone. The unit will appear as "JSD-3001" or similar.
- Select the unit to pair. If prompted for a PIN, enter "0000".
- Once paired, the Bluetooth icon on the unit's screen will illuminate.

2. Hands-Free Calling:

- When a call comes in, the unit will display the caller ID.
- Touch the **Answer** icon on the screen to accept the call.
- Touch the **End Call** icon to hang up.
- You can dial numbers directly from the unit's touch screen or use your phone's voice assistant if supported.

3. Bluetooth Audio Streaming:

- After pairing, select Bluetooth mode.
- Play music on your phone, and the audio will stream through the car speakers.
- Use the unit's controls for play/pause, next/previous track.



Image 6.2: Bluetooth hands-free calling feature for safe driving.

6.5 Mirror Link Function

The Mirror Link function allows you to display your Android smartphone's screen on the car radio's display. This feature supports Android phones with OS version 4.1 or higher. Compatibility may vary between phone models.

1. Connect your Android smartphone to the unit using a USB power cable.
2. On the unit, select the Mirror Link option from the main menu.
3. Follow any on-screen prompts on your phone to allow screen mirroring.
4. Once connected, your phone's screen will be mirrored on the car radio display.

mirror link

Connect smart phone to unit by your smart phone power cable, nect,you can synchronize any contents to display on car player screen.Phone mirror link only supports more than 4.1 of mobile droid version Reminder: Not all smart phones with above featu compatible with our unit.



Image 6.3: Demonstration of the Mirror Link feature, showing a phone's navigation mirrored on the car radio.

6.6 Rear View Camera

If a rear view camera is connected and properly wired (brown wire to reverse light), the unit will automatically display the camera feed when the vehicle is shifted into reverse gear.

6.7 System Settings

Access the system settings menu from the main screen to adjust various parameters:

- **Language:** Select your preferred language (Chinese, English, Polish, Russian, German, Portuguese, Spanish, Turkish, Italian, French).
- **Time:** Set the current date and time.
- **Display:** Adjust brightness, contrast, and backlight color (7 colors available: Auto/white/yellow/purple/red/green/blue/Off).
- **Audio:** Fine-tune equalizer settings, loudness, and subwoofer output if applicable.

7. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touch screen. Do not use abrasive cleaners or solvents.
- **General Cleaning:** Wipe the unit's exterior with a dry or slightly damp cloth.
- **Temperature:** Avoid leaving the unit in direct sunlight or extreme cold for extended periods, as this can affect performance and lifespan.

8. TROUBLESHOOTING

If you encounter issues with your JSD-3001 car radio, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Incorrect wiring; Blown fuse; Low battery voltage.	Check power connections (Yellow, Red, Black wires). Verify vehicle fuse and unit's fuse. Ensure battery voltage is sufficient.
No sound.	Volume too low; Mute function active; Incorrect speaker wiring; Faulty speakers.	Increase volume. Check if mute is active. Verify speaker connections. Test with different speakers if possible.
Bluetooth connection issues.	Phone not in pairing mode; Unit not discoverable; Interference.	Ensure phone Bluetooth is on and discoverable. Restart both phone and unit. Try re-pairing.
Mirror Link not working.	Incompatible phone OS version; Incorrect USB cable; Phone settings not allowing mirroring.	Ensure Android OS is 4.1 or higher. Use a high-quality USB data cable. Check phone's developer options for USB debugging or mirroring permissions.
Touch screen unresponsive.	Temporary software glitch; Screen damage.	Restart the unit by turning off the vehicle ignition and restarting. If issue persists, contact support.
Unit does not function in cold temperatures.	Extreme cold affecting electronic components.	Allow the vehicle interior to warm up before operating the unit. Performance may be affected in temperatures below -5°C.

9. SPECIFICATIONS

Feature	Specification
Model Number	JSD-3001 (AF1313)
Screen Size	4.1 Inch TFT Capacitive Touch Screen
Screen Resolution	800 x 480 pixels
Video Playback	Supports 1080P (1920x1080) video format
Supported Video Formats	RM/RMVB/MP1/MP2/DIVX/XVID/MP4/H263/H264/FLV/3GP/SWF/AVI/ASF/MJPEG etc.
Supported Audio Formats	MP3/M4A/WAV/OGG/AAC/MKA/MIDI/APE/FLAC/M3U/M3U8

Feature	Specification
Output Power	4 x 60 Watts (Max)
Audio Output Mode	Stereo
FM Frequency Range	87.5-108.0 MHZ
Connectivity	Bluetooth, USB, TF Card, AUX IN, RCA, Rear View Camera Input
Control Method	Remote, Touch
Supported Languages	Chinese, English, Polish, Russian, German, Portuguese, Spanish, Turkish, Italian, French
Parcel Dimensions	21.41 x 18.21 x 8.41 cm
Item Weight	680 g

Size

International Criteria Installation size



(178mm(length)*102mm(height)*65mm(width))

Image 9.1: Physical dimensions of the JSD-3001 unit.

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.