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> BOOMBOOST JSD520 Car MP3 Stereo Player User Manual

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Model: JSD520

1. INTRODUCTION

Thank you for purchasing the BOOMBOOST JSD520 Car MP3 Stereo Player. This manual provides detailed instructions for installation, operation, and maintenance of your new car audio system. Please read this manual thoroughly before use to ensure proper functionality and safety.



Image 1.1: Front view of the BOOMBOOST JSD520 Car MP3 Stereo Player, showing the display, control knob, and USB/AUX ports.

2. KEY FEATURES

- **Smart Bluetooth Calls:** Integrated Bluetooth for hands-free calling, enhancing driving safety and convenience.
- **Power-Off Memory Function:** Retains frequency, track, and volume settings after power-off, resuming playback from the last point.
- **Folder Playback Support:** Organize and play songs from different folders on your memory card (SD/USB).
- **High-Quality LED Display:** Bright yet soft car-gauge LED screen for clear visibility without glare.

- **FM Radio Tuner:** Built-in FM radio with automatic search and 18 preset stations (87.5 ~ 108 MHz).
- **Versatile Media Playback:** Supports MP3/WMA audio formats via USB, SD card, and AUX input.
- **Electronic Audio Control:** Adjustable treble, bass, balance, and fader.
- **Four-Channel Output:** Provides robust audio output for a comprehensive sound experience.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all items listed below are present and in good condition:

- 1 x BOOMBOOST JSD520 Car MP3 Stereo Player
- 1 x Remote Control (battery not included)
- 2 x Wiring Harnesses
- 2 x Installation Tool Sets
- 1 x User Manual



Image 3.1: Contents of the BOOMBOOST JSD520 package, showing the main unit, remote control, wiring harnesses, and user manual.

4. SETUP AND INSTALLATION

Professional installation is recommended for optimal performance and safety. Ensure the vehicle's power is

disconnected before beginning installation.

4.1 Wiring Diagram


Connect the provided wiring harnesses according to your vehicle's wiring specifications. Refer to the detailed wiring diagram in the included paper manual for specific connections (power, ground, speaker outputs, antenna, etc.).

4.2 Mounting the Unit

1. Insert the metal mounting sleeve into the vehicle's dashboard opening.
2. Bend the tabs on the sleeve outwards to secure it in place.
3. Slide the JSD520 unit into the mounting sleeve until it clicks into position.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Volume Control

- Press the **Power** button (usually marked with ) to turn the unit on or off.
- Rotate the large **Volume Knob** to adjust the audio level.

5.2 Mode Selection

Press the **MODE** button to cycle through available audio sources: FM Radio, Bluetooth, USB, SD, and AUX.

5.3 FM Radio Function

- In FM mode, press the **BAND** button to switch between FM bands (FM1, FM2, FM3).
- Press the **Seek** buttons (<< / >>) to automatically search for the next strong station.
- Press and hold the **Seek** buttons for manual tuning.
- To save a station, tune to the desired frequency, then press and hold one of the preset number buttons (1-6) until you hear a beep.

FM RADIO FUNCTION

FM RADIO WITH HIGH-QUALITY DIGITAL STEREO, WHICH CAN SEARCH CHANNELS IN FULL-AUTOMATIC WAY, SEMIAUTOMATIC WAY AND ACCURATE ADJUSTMENT WAY.

FREQUENCY RANGE : 87.5-108.0 MHZ



Image 5.1: Illustration of the FM Radio function, highlighting the frequency range and automatic search capability.

5.4 Bluetooth Operation

- Switch the unit to **BT** mode. The display will show "BT" or a Bluetooth icon.
- On your mobile device, enable Bluetooth and search for available devices. Select "JSD520" to pair.
- Once paired, you can play audio from your device or make/receive hands-free calls.
- Use the **Answer/End Call** buttons on the unit or remote for call management.

SUPPORT BLUE TOOTH FUNCTION

The MP3 Player comes equipped with built-in BT capability to enable hands-free mobile phone operation. So you can keep your hands on the steering wheel where they belong and concentrate on the road ahead.



Open the mobile phone Blue tooth and connect it with the player
Call-in notification and Receive and Refuse buttons on the panel
make it more convenient to receive calls

Image 5.2: Visual representation of the Bluetooth function, emphasizing hands-free mobile phone operation for safe driving.

5.5 USB/SD Card Playback

- Insert a USB drive into the USB port or an SD card into the SD card slot. The unit will automatically switch to USB/SD mode and begin playback.
- Use the **Next/Previous Track** buttons to navigate songs.
- Press the **Folder** button (if available) to browse folders on the storage device.

5.6 AUX Input

- Connect an external audio device (e.g., smartphone, MP3 player) to the 3.5mm AUX input jack on the front panel using an audio cable.
- Switch the unit to **AUX** mode. Audio from the connected device will now play through the car speakers.

AUX AUDIO INPUT

Support external AUX (3.5MM plug) input audio, such as navigation, MPS, mobile phone audio and so on, through the front-end AUX audio input, and output sound from the car's high-power speaker.



Image 5.3: Demonstration of AUX audio input, allowing external devices to play sound through the car's high-power speakers.

5.7 Remote Control Operation

The included remote control provides convenient access to most functions. Ensure the battery is inserted correctly (CR2025, not included).

Remote control quick operation

SD or USB mode. Use the remote control to switch the volume and music.



Image 5.4: Quick operation using the remote control for volume and music selection in SD or USB mode.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the unit's surface. Do not use abrasive cleaners or solvents.
- **Temperature:** Avoid exposing the unit to extreme temperatures or direct sunlight for prolonged periods.
- **Moisture:** Keep the unit dry. Moisture can damage internal components.
- **Fuse Replacement:** If the unit does not power on, check the fuse located at the rear of the unit. Replace with a fuse of the same rating if necessary.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Blown fuse; Incorrect wiring; Vehicle battery low	Check/replace fuse; Verify wiring connections; Charge vehicle battery
No sound	Volume too low; Mute activated; Speaker wires disconnected	Increase volume; Deactivate mute; Check speaker connections

Problem	Possible Cause	Solution
Bluetooth not connecting	Bluetooth not enabled on device; Unit not in BT mode; Device too far	Enable Bluetooth on device; Switch unit to BT mode; Move device closer
USB/SD not playing	Unsupported file format; Corrupted files; Improperly inserted device	Ensure MP3/WMA format; Reformat/check files; Reinsert USB/SD card
Poor FM reception	Antenna not connected; Weak signal area; Interference	Check antenna connection; Move to stronger signal area; Reduce interference sources

8. SPECIFICATIONS

Feature	Specification
Model Name	JSD520
Voltage	24 Volt
Screen Size	2.5 inches
Resolution	240 x 320 pixels
Material Type	Metal + Plastic
Item Weight	0.43 kg (380 g)
Product Dimensions	18.3 x 8 x 5.8 cm (5.8 x 8 x 5.8 cm)
Output Power	4 x 60W (240W total)
Audio Output Mode	Stereo
Surround Sound Channel Configuration	4.0
Supported Media Formats	MP3, WMA
Connectivity Technology	USB, Auxiliary, Bluetooth
FM Frequency Range	87.5 - 108 MHz



Image 8.1: Product dimensions, indicating length, width, and height in centimeters.

9. WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the BOOMBOOST customer service department. Keep your purchase receipt as proof of purchase.