

SANPTENT 7023

SANPTENT Double Din Car Stereo User Manual

Model: 7023

1. INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your SANPTENT Double Din Car Stereo. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent injury or damage to the device:

- Ensure proper wiring connections to prevent short circuits or damage.
- Do not operate the device in a manner that distracts from driving.
- Consult a professional for installation if you are unsure about the process.
- Keep the device away from water and excessive heat.
- Only use accessories specified by the manufacturer.
- This unit is designed for 12V DC power systems only.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Car Stereo Unit
- Wire Harness Pack
- Backup Camera (12 LED)
- Mounting Bracket Set
- Remote Control
- User Manual (this document)
- Camera Cable A
- Camera Cable B

How to check if this unit fits for your vehicle?

The audio stereo is compatible with most brands of cars.
Commonly used Double Din sizes for car series: 7.1*4.0*2.3inch (178*100*58mm)
The frame dimension that comes with this car stereo is: 7.4*4.6in (188*117mm).
Due to different design of the car console, some can fit perfectly, but some needs to purchase an extra dash kit. Please check the size of car stereo to your car center console outline before purchase.

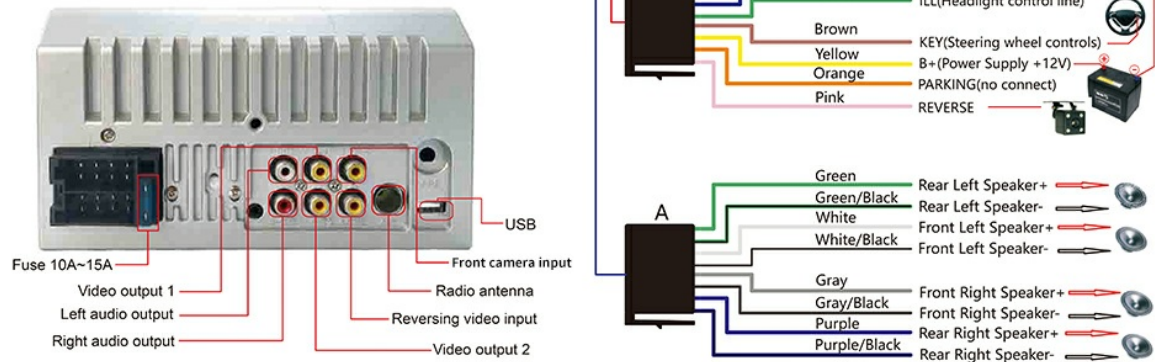


Image: Contents of the SANPTENT Double Din Car Stereo package, showing the main unit, wiring harnesses, backup camera, mounting brackets, remote control, and user manual.

4. PRODUCT OVERVIEW

The SANPTENT Double Din Car Stereo features a 7-inch touchscreen and various connectivity options. Familiarize yourself with the main components and controls:



Image: Front view of the car stereo unit, showing the touchscreen interface, physical buttons on the left side (MIC, RES, volume up/down), SD card slot, AUX input, and USB port. Also pictured are two smartphones connected via USB, demonstrating wired CarPlay/Android Auto, and a backup camera.

Front Panel Controls and Ports:

- **MIC:** Microphone input for hands-free calling.
- **RES:** Reset button (use a thin object to press).
- **Volume +/-:** Adjust audio volume.
- **SD Card Slot:** Insert SD card for media playback.
- **AUX Input:** 3.5mm audio input for external devices.
- **USB Port:** Connect USB devices for media playback, Apple CarPlay, or Android Auto.

5. INSTALLATION GUIDE (SETUP)

Proper installation is crucial for the performance and safety of your car stereo. If you are not confident with the installation process, it is recommended to seek professional assistance.

5.1 Wiring Diagram

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

malfunctions.



Image: Comprehensive wiring diagram illustrating connections for power (ACC, GND, B+), antenna, steering wheel controls, parking brake, reverse signal, and speaker outputs (front/rear left/right).

Wiring Connections:

- **Red (ACC):** Connect to ignition switch (+12V).
- **Black (GND):** Connect to ground wire (-).
- **Blue (ANT):** Connect to auto antenna power.
- **Green (ILL):** Connect to headlight control line.
- **Brown (KEY):** Connect to steering wheel controls (if applicable).
- **Yellow (B+):** Connect to power supply (+12V).
- **Orange (PARKING):** Connect to parking brake signal.
- **Pink (REVERSE):** Connect to reverse light signal for backup camera activation.
- **Speaker Wires:** Connect to corresponding vehicle speakers (e.g., Green/Green-Black for Rear Left Speaker).

5.2 Physical Installation

The unit is designed for standard double DIN size. Ensure your vehicle's dashboard opening is compatible.

1. Remove the existing car stereo from your vehicle's dashboard.
2. Connect the wiring harness from the new stereo to the vehicle's wiring, following the diagram.
3. Install the backup camera (if included) and route its cable to the stereo unit, connecting it to the 'REVERSING VIDEO INPUT' port.
4. Secure the SANPTENT stereo into the double DIN slot using the provided mounting brackets.
5. Test all functions before fully reassembling the dashboard.



Image: Diagram illustrating the dimensions of the car stereo unit (7.1in width, 4.0in height, 2.3in depth) and the front frame (7.4in width, 4.6in height), along with the included accessories for installation.

6. BASIC OPERATION

6.1 Power On/Off

The unit will power on automatically when the vehicle's ignition is turned to the ACC or ON position. To turn off, turn off the vehicle's ignition.

6.2 Volume Adjustment

Use the physical volume buttons on the left side of the unit or the touchscreen controls to adjust the audio level.

6.3 Main Menu Navigation

Tap the home icon on the touchscreen to return to the main menu, which displays various functions such as Radio, Bluetooth, CarPlay/Android Auto, USB, AUX, and Settings.

7. KEY FEATURES OPERATION

7.1 Wired Apple CarPlay & Android Auto

Connect your iPhone or Android smartphone to the stereo's USB port using your phone's original USB cable. The system will automatically detect and launch CarPlay or Android Auto, allowing access to navigation, music, calls, and messages directly from the stereo's screen.

IOS Carplay / Android Auto

Connect your mobile phone with the USB port of the car stereo by your own phone USB cable, and some main functions of your phone can be shown in the screen of the car stereo



Image: The car stereo installed in a dashboard, showing the Apple CarPlay interface on its screen. A smartphone is connected via a USB cable, demonstrating the wired connection for CarPlay/Android Auto functionality.

7.2 Mirror Link Function

Mirror Link allows you to display your smartphone's screen content directly onto the car stereo. Connect your phone via USB. Ensure your phone's display mode is set to "landscape" for full-screen viewing on the stereo. This feature supports Android 10.1 and below, and iOS 13.4 and below (iPhone XR, iPhone 11, iPhone 8 series and below).



Image: The car stereo installed in a dashboard, displaying a mirrored image from a connected smartphone. The smartphone is connected via a USB cable, illustrating the Mirror Link feature.

7.3 Bluetooth Hands-Free Calling and Audio Streaming

Pair your smartphone with the car stereo via Bluetooth for hands-free calling and wireless audio streaming.

1. Go to the Bluetooth menu on the stereo.
2. Enable Bluetooth on your smartphone and search for available devices.
3. Select "SANPTENT" (or similar device name) from the list on your phone and pair.
4. Once paired, you can make/receive calls and play music wirelessly.

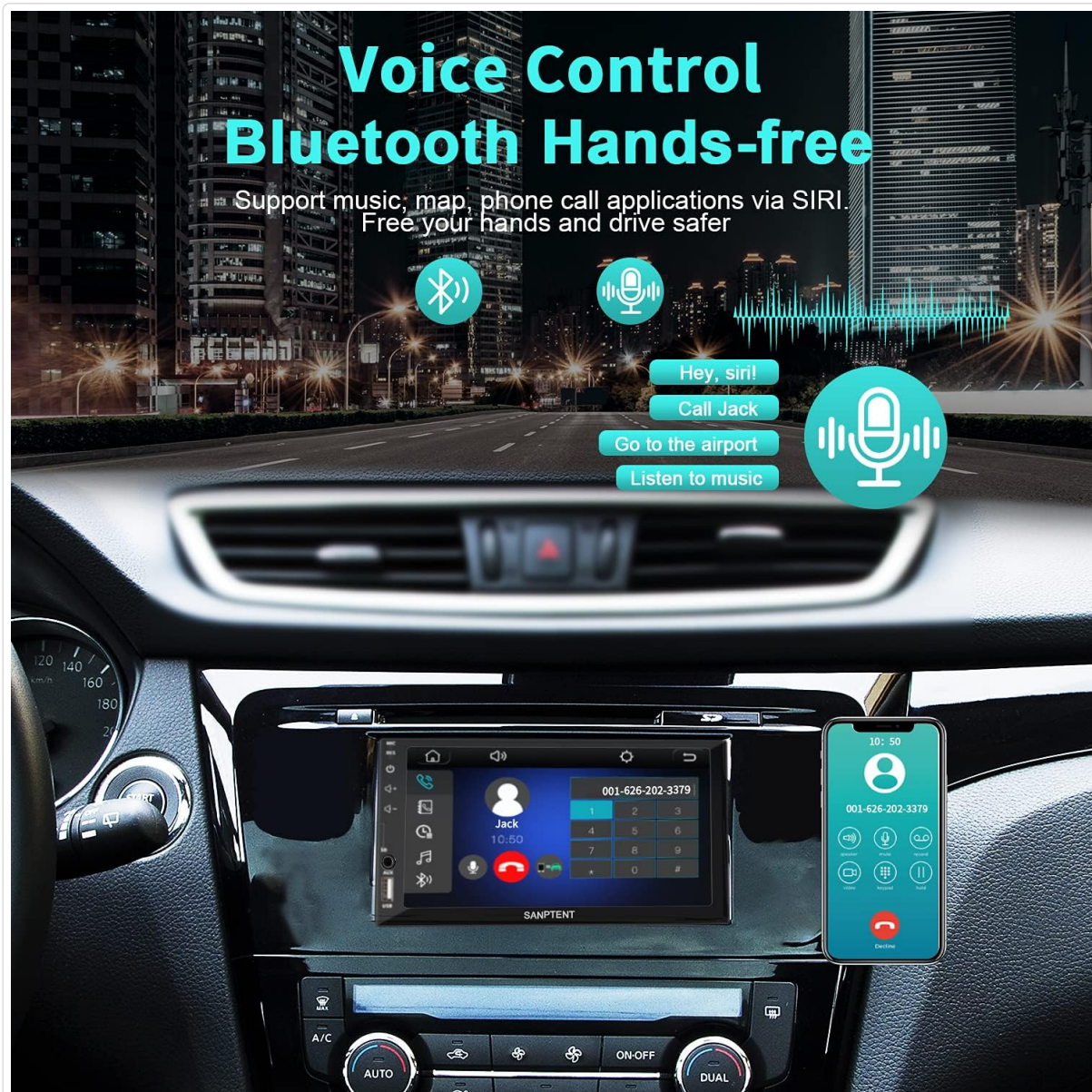


Image: The car stereo displaying a phone call interface, indicating an active Bluetooth connection. Voice control icons for Siri are also visible, demonstrating hands-free operation.

7.4 Backup Camera Function

When the vehicle is shifted into reverse gear, the stereo will automatically display the rear view from the connected backup camera. This assists in safe parking and maneuvering. The unit also supports a front camera input.

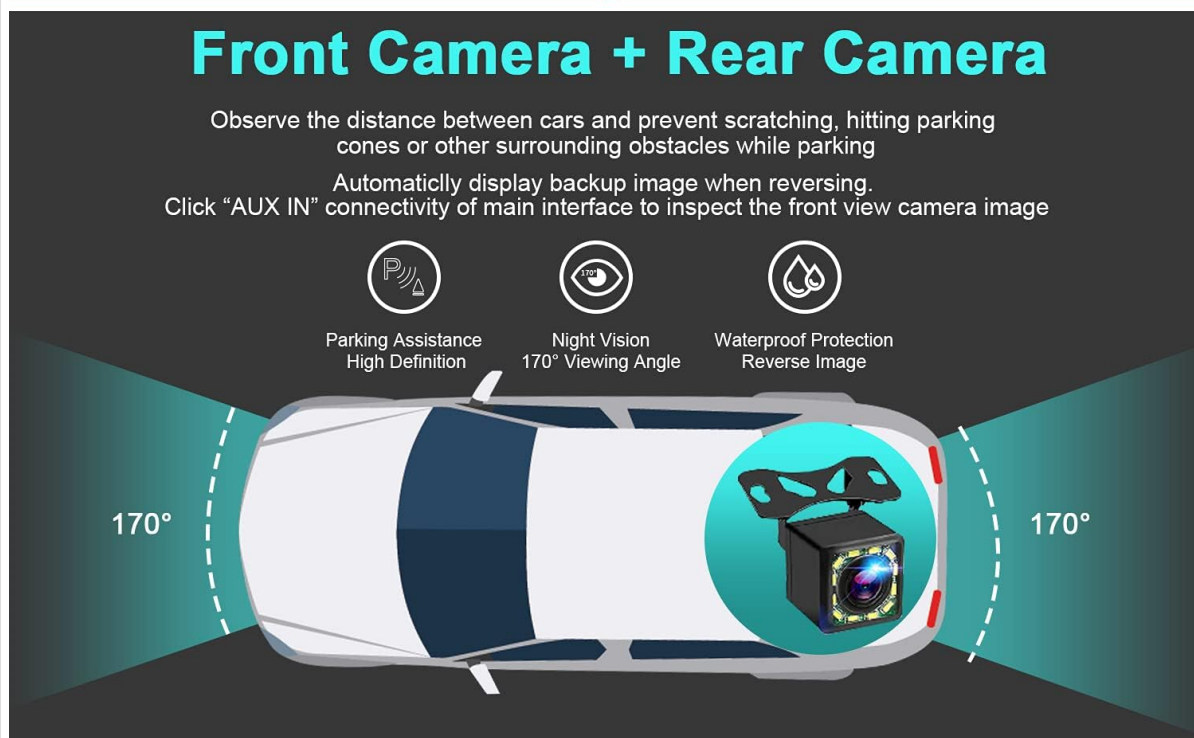


Image: A split image showing a front view camera display and a rear view camera display on the car stereo. The rear view includes dynamic parking assistance lines, highlighting the safety feature.

7.5 FM Radio, USB, TF, and AUX Playback

- **FM Radio:** Select the "Radio" option from the main menu. Use the touchscreen to scan for stations or manually tune.
- **USB/TF Playback:** Insert a USB drive or TF (Micro SD) card into the respective port. The unit will automatically detect and allow you to browse and play media files.
- **AUX Input:** Connect an external audio device (e.g., MP3 player) to the 3.5mm AUX input using an audio cable. Select "AUX" from the main menu to play audio from the connected device.

7.6 Audio Settings (EQ)

Access the "Settings" menu to adjust audio parameters, including the 16-band EQ sound effect, balance, and fader, to customize your listening experience.



Image: The car stereo screen showing a graphical equalizer (EQ) interface with multiple frequency bands, allowing users to customize audio output.

8. MAINTENANCE

- **Cleaning the Screen:** Use a soft, lint-free cloth to gently wipe the touchscreen. Avoid abrasive cleaners or solvents.
- **General Care:** Keep the unit free from dust and debris. Ensure proper ventilation around the unit.
- **Software Updates:** Check the manufacturer's website periodically for any available firmware updates.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power	Incorrect wiring; Blown fuse; Vehicle ignition off.	Check power connections (ACC, B+, GND). Inspect vehicle's fuse box and stereo's fuse. Ensure ignition is on.
No Sound	Volume too low; Mute activated; Incorrect speaker wiring.	Increase volume. Check if mute is active. Verify speaker wire connections.
CarPlay/Android Auto not connecting	Faulty USB cable; Phone not compatible; USB port issue.	Use original, high-quality USB cable. Ensure phone OS version is compatible. Try a different USB port if available.
Backup Camera not displaying	Reverse trigger wire not connected; Camera faulty; Video input issue.	Check the Pink (REVERSE) wire connection. Verify camera power and video cable connection.
Bluetooth pairing issues	Bluetooth not enabled; Device not discoverable; Interference.	Ensure Bluetooth is enabled on both devices. Make sure the stereo is in pairing mode. Try pairing in a different location.

10. SPECIFICATIONS

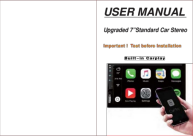

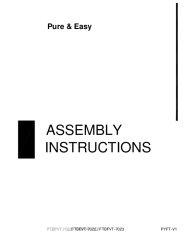
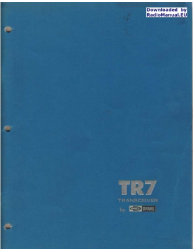

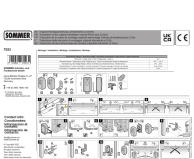
Feature	Detail
Model	7023
Screen Size	7 Inch
Screen Type	Capacitive Touchscreen
CarPlay/Android Auto	Wired Support
Mirror Link	Supported (Android 10.1 & below, iOS 13.4 & below)
Bluetooth	Hands-Free Calling, Audio Streaming
Backup Camera Input	Supported (12 LED camera included)
Radio Tuner	FM
Media Ports	USB, TF (Micro SD), AUX
Audio Output Mode	Stereo
EQ Settings	16-band
Working Voltage	DC 12V
Dimensions (Product)	6.88 x 2.36 x 3.94 inches
Item Weight	1.87 pounds

11. WARRANTY AND SUPPORT

SANPTENT offers a 90-day return or replacement policy for this product. Lifetime technical support is also provided.

- **Returns/Replacements:** Contact SANPTENT customer service within 90 days of purchase for return or replacement inquiries.
- **Technical Support:** For any technical assistance or troubleshooting beyond this manual, please contact SANPTENT customer support. Refer to the product packaging or the official SANPTENT store on Amazon for contact details.

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	<p>User Manual: Upgraded 7" Standard Car Stereo with Carplay & Mirror Link</p> <p>Comprehensive user manual for the Upgraded 7" Standard Car Stereo (Model 7023, 2A4WQ7023), detailing installation, Carplay, Mirror Link, and functional descriptions. Includes wiring diagrams and FCC compliance information.</p>
	<p>7023 Car Multimedia Player Operation Manual</p> <p>Operation manual for the 7023 Car Multimedia Player by Hangzhou Sujing Technology Co., Ltd. Covers features, installation, operation, and specifications.</p>
	<p>DWVO Vanity Desk with LED Lighted Mirror Assembly Instructions</p> <p>Detailed assembly instructions for the DWVO Vanity Desk with LED Lighted Mirror. This guide provides step-by-step procedures, safety warnings, and a comprehensive parts list to help you assemble your vanity. Features include adjustable LED lighting and multiple drawers.</p>
	<p>Drake TR-7 Transceiver Operator's Manual</p> <p>This manual provides comprehensive operating instructions for the Drake TR-7 HF Transceiver, covering its features, installation, operation, and theory of operation. It details front panel controls, rear panel connections, and various operating modes like SSB, CW, AM, and RTTY.</p>
	<p>Прошивки для MP5 2DIN магнитол 7010B/18/23/35/ и CH341A программатор</p> <p>Полный список прошивок для универсальных китайских MP5 2DIN магнитол моделей 7010B, 7018, 7023, 7035. Инструкция по использованию программатора CH341A EEPROM/SPI для перепрошивки. Каталог совместимых автомобильных мультимедийных центров с GPS.</p>
	<p>SOMMER 7023 Photo Eye (2-Wire) - Installation Manual & Technical Data</p> <p>Comprehensive installation guide and technical data for the SOMMER 7023 Photo Eye (2-wire). This document provides detailed steps for mounting, electrical connections, and operational parameters, ensuring proper setup of the safety sensor system. Includes product specifications and contact information for SOMMER Antriebs- und Funktechnik GmbH.</p>

Documents - SANPTENT – 7023



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