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## PIONEER DEH-S4050BT

# Pioneer DEH-S4050BT Car Audio Stereo User Manual

Model: DEH-S4050BT

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Pioneer DEH-S4050BT Car Audio Stereo. Please read this manual thoroughly before using the product to ensure proper operation and to prevent damage.

The Pioneer DEH-S4050BT is a versatile car audio system featuring CD, USB, AUX, and Radio playback, along with advanced connectivity options including Bluetooth for hands-free calling and audio streaming, and control for iOS and Android devices.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent accidents or damage to the unit.

- Do not operate the unit in a way that distracts you from safe driving.
- Ensure proper wiring connections to avoid short circuits or electrical hazards. Consult a professional for installation if unsure.
- Do not disassemble or modify the unit. This may result in electric shock or other hazards.
- Keep the volume at a level where you can still hear outside traffic sounds.
- Avoid exposing the unit to moisture or extreme temperatures.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- Pioneer DEH-S4050BT Head Unit
- Wiring Harness
- Mounting Hardware (Screws, Trim Ring)
- Remote Control (if included)
- Microphone for Hands-Free Calling

- User Manual (this document)

## 4. SETUP AND INSTALLATION

### 4.1. Installation Overview

Installation of the DEH-S4050BT requires basic electrical knowledge and tools. If you are unsure about any steps, it is recommended to seek professional installation.

1. Disconnect the vehicle's negative battery terminal before starting any electrical work.
2. Remove the existing car stereo from the dashboard.
3. Connect the wiring harness provided with the DEH-S4050BT to your vehicle's wiring. Ensure correct connections for power, ground, accessory, and speaker outputs.
4. Mount the head unit securely into the dashboard opening.
5. Reconnect the vehicle's negative battery terminal.

### 4.2. Wiring Connections

Refer to the wiring diagram provided with the unit for specific connections. Key connections include:

- **Yellow Wire:** Constant 12V (Battery)
- **Red Wire:** Switched 12V (Accessory)
- **Black Wire:** Ground
- **Blue/White Wire:** Remote Turn-On (for amplifier/power antenna)
- **Speaker Wires:** Connect to corresponding vehicle speakers (e.g., White/White-Black for Front Left).
- **Microphone Input:** Connect the supplied microphone for hands-free calling.



Figure 1: Front view of the Pioneer DEH-S4050BT car audio stereo, showing the display, control knob, and various buttons for source selection, track control, and phone functions.

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Operations

- **Power On/Off:** Press the **SRC/OFF** button to turn the unit on. Press and hold to turn off.
- **Source Selection:** Press the **SRC** button repeatedly to cycle through available sources (CD, USB, AUX, Tuner, Bluetooth Audio).
- **Volume Control:** Rotate the large rotary knob to adjust the volume level.

- **Menu/Settings:** Press the rotary knob to access the main menu. Rotate and press to navigate and select options.

## 5.2. CD/USB/AUX Playback

- **CD Playback:** Insert a CD into the disc slot. Playback will start automatically.
- **USB Playback:** Connect a USB storage device to the front USB port. The unit will automatically switch to USB source and begin playback.
- **AUX Input:** Connect an external audio player to the 3.5mm AUX input jack on the front panel. Select AUX as the source.
- **Track Control:** Use the **TRACK** buttons (<< / >>) to skip tracks or fast forward/rewind.

## 5.3. Radio Operation

- **Band Selection:** Press the **BAND/DIMMER** button to switch between FM1, FM2, FM3, and AM bands.
- **Manual Tuning:** Press and hold the **TRACK** buttons (<< / >>) to manually tune frequencies.
- **Seek Tuning:** Briefly press the **TRACK** buttons to automatically seek the next strong station.
- **Preset Stations:** Store and recall up to 6 stations per band using the numbered buttons (1-6).

## 5.4. Bluetooth Connectivity

The DEH-S4050BT features built-in Bluetooth for hands-free calling and wireless audio streaming.

### 1. Pairing:

- Ensure Bluetooth is enabled on your mobile device.
- On the DEH-S4050BT, select the Bluetooth source.
- Search for available devices on your phone and select "DEH-S4050BT".
- Confirm the pairing code if prompted.

2. **Hands-Free Calling:** Use the **Phone** button (**Green**) to answer calls and the **End Call** button (**Red**) to end calls.

3. **Bluetooth Audio Streaming:** Select Bluetooth Audio as the source to play music wirelessly from your paired device.

4. **Siri Eyes Free:** For compatible iOS devices, press and hold the **Phone** button to activate Siri Eyes Free.

## 5.5. Smartphone Integration (Pioneer ARC)

The Pioneer ARC (Advanced Remote Control) app allows you to control various functions of the DEH-S4050BT directly from your iPhone or Android smartphone.

1. Download the Pioneer ARC app from the App Store (iOS) or Google Play Store (Android).
2. Connect your smartphone to the DEH-S4050BT via USB or Bluetooth.
3. Launch the Pioneer ARC app on your smartphone.
4. Use the app interface to control source selection, audio settings, and other features.



Figure 2: Front view of the Pioneer DEH-S4050BT car audio stereo, displaying "ARC APP" on the screen, indicating active smartphone integration via the Pioneer ARC application.

## 5.6. Audio Settings

Access the audio menu by pressing the rotary knob. Available settings include:

- **Equalizer (EQ):** Adjust bass, mid, and treble levels, or select from preset EQ curves.
- **Subwoofer Control:** Adjust subwoofer output level and crossover frequency.
- **Fader/Balance:** Adjust audio distribution between front/rear and left/right speakers.
- **Loudness:** Boost bass and treble at low volumes.

## 6. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel. Do not use abrasive cleaners or solvents.
- **CD Slot:** Avoid inserting foreign objects into the CD slot. If a disc gets stuck, refer to the troubleshooting section.
- **USB Port:** Keep the USB port free from dust and debris.

## 7. TROUBLESHOOTING

Problem	Solution
No power	Check power and ground wiring connections. Ensure the vehicle's ignition is on. Check vehicle fuses.
No sound	Check speaker wiring. Ensure volume is not muted or set too low. Verify source selection.
Bluetooth device won't pair	Ensure Bluetooth is enabled on both devices. Delete previous pairings and try again. Move devices closer.
CD/USB not playing	Ensure the disc/USB device is inserted correctly and is not damaged. Check file formats for USB.
Poor radio reception	Check antenna connection. Try tuning to a stronger station or using manual tuning.

## 8. SPECIFICATIONS

Feature	Detail
Brand	PIONEER
Model	DEH-S4050BT
Connectivity Technology	USB, Bluetooth, 3.5mm Jack
Compatible Devices	Smartphone (iOS/Android)
Special Features	Built-In Bluetooth, Siri Eyes Free, Pioneer ARC, CD-R/CD-RW Compatible, Front USB Port
Audio Output Mode	Stereo
Number of Channels	4
Supported Internet Services	Pandora, Spotify (via smartphone)
Item Weight	1.8 Kilograms
Package Dimensions	26.2 x 19.8 x 10 cm

## 9. WARRANTY AND SUPPORT

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Pioneer products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Pioneer website.

For technical support, service, or further inquiries, please contact Pioneer customer support through their official channels. Keep your proof of purchase for warranty claims.

Official Pioneer Website: [www.pioneer-car.eu](http://www.pioneer-car.eu)