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> [KENWOOD KDC-BT378U CD Car Stereo Receiver User Manual](#)

## Kenwood KDC-BT378U-UOB

# KENWOOD KDC-BT378U CD Car Stereo Receiver User Manual

Model: KDC-BT378U-UOB

Brand: Kenwood

## 1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your KENWOOD KDC-BT378U CD Car Stereo Receiver. This single DIN receiver offers a comprehensive audio experience for your vehicle, integrating various modern features with traditional car audio functionalities.

Key features of your KDC-BT378U include:

- 255 Segment 1.5 Line Text Display for clear information.
- Built-in Bluetooth for hands-free calling and audio streaming.
- Amazon Alexa Built-in for voice control and smart assistant features.
- Spotify Ready for seamless music streaming control.
- Front High Power USB port for digital audio playback and charging.
- AM/FM Radio tuner with station presets.
- CD Player for traditional audio disc playback.
- SiriusXM Ready (requires optional SiriusXM Connect Vehicle Tuner and subscription).
- Variable Color Illumination to customize display and button lighting.



## 2. SAFETY INFORMATION

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Please read all safety instructions carefully before installing or operating this product. Failure to follow these instructions may result in injury or damage to the unit or vehicle.

- **Installation:** Always disconnect the vehicle's negative battery terminal before installation to prevent electrical shorts. Ensure proper wiring connections as per the wiring diagram. Incorrect wiring can cause fire or damage. If you are unsure about installation, consult a qualified professional.
- **Operation:** Do not operate the unit in a way that distracts you from driving. Always keep your attention on the road. Adjust volume to a level that allows you to hear outside sounds.
- **Power Supply:** This unit is designed for a 12V DC negative ground electrical system. Do not connect to any other voltage or polarity.
- **Ventilation:** Ensure adequate ventilation around the unit to prevent overheating. Do not block ventilation openings.
- **Moisture:** Do not expose the unit to moisture or water. This can cause electric shock or fire.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.

## 3. PACKAGE CONTENTS

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Upon opening the product packaging, please verify that all the following items are included:

- KENWOOD KDC-BT378U CD Car Stereo Receiver Unit
- Wiring Harness (Power/Speaker Connector)
- External Microphone with Cable
- Removal Keys (2 pieces)
- Instruction Manual (this document)
- Warranty Card



Figure 3.1: Contents of the KENWOOD KDC-BT378U package, showing the main unit, wiring, microphone, and documentation.

## 4. SETUP AND INSTALLATION

### 4.1. Installation Precautions

- Before starting, ensure the vehicle's ignition is off and disconnect the negative terminal of the battery to prevent accidental short circuits.
- Use appropriate tools and wear safety glasses.
- Avoid installing the unit in locations exposed to direct sunlight, excessive heat, humidity, or dust.
- Ensure all connections are secure and properly insulated to prevent shorts.
- If you are not confident with the installation process, it is highly recommended to seek professional assistance.

### 4.2. Wiring Connections

Refer to the wiring diagram below and the included wiring harness for proper connections. The main wiring harness connects to your vehicle's power, ground, and speaker wires.



Figure 4.1: Rear view of the KENWOOD KDC-BT378U, illustrating the wiring harness input, antenna input, and RCA pre-outs.

Table 4.1: Common Wiring Connections

Wire Color	Function	Connection Point
Yellow	Constant 12V (Battery)	Vehicle's constant 12V power source
Red	Switched 12V (Ignition)	Vehicle's ignition switched 12V power source
Black	Ground	Vehicle chassis ground
Blue/White	Remote Turn-On	To amplifier remote input or power antenna
Orange/White	Illumination	Vehicle's illumination wire
Speaker Wires	Speaker Outputs	Connect to corresponding vehicle speakers (e.g., White/White-Black for Front Left)
Microphone Input	External Microphone	Plug in the supplied external microphone for hands-free calling and Alexa functions. Mount the microphone in a clear, unobstructed location.

### 4.3. Initial Setup

After installation, reconnect the vehicle's negative battery terminal. The unit will power on. Follow these steps for initial setup:

1. **Power On:** Press the **SRC** button (Source) to turn on the unit.
2. **Clock Setting:** The first time the unit is powered on, you may be prompted to set the clock. Use the main control knob to adjust hours and minutes, and press the knob to confirm.
3. **Initial Audio Settings:** Access the Audio menu (refer to Section 5.1) to adjust basic settings like Bass, Treble, Balance, and Fader to your preference.

## 5. OPERATING INSTRUCTIONS

### 5.1. Basic Operations

- **Power On/Off:** Press the **SRC** button to turn the unit on. Press and hold the **SRC** button to turn it off.
- **Source Selection:** Press the **SRC** button repeatedly to cycle through available sources (CD, Tuner, Bluetooth, USB, AUX, Alexa, Spotify, SiriusXM).

- **Volume Control:** Rotate the main control knob to adjust the volume level.
- **Menu/Settings:** Press the main control knob to enter the menu. Rotate the knob to navigate and press to select. Press the **BACK** button (if available, or SRC button) to exit.
- **Display Dimmer:** Press the **DIM** button to adjust display brightness.
- **Variable Color Illumination:** Access the "ILLUMINATION" setting in the menu to change the color of the display and button lighting.

## 5.2. CD Playback

- **Insert CD:** Gently insert a CD into the disc slot with the label side up. The unit will automatically pull in the disc and begin playback.
- **Track Skip:** Press the << or >> buttons to skip to the previous or next track.
- **Fast Forward/Reverse:** Press and hold the << or >> buttons for fast reverse or fast forward.
- **Pause/Play:** Press the **PLAY/PAUSE** button (often the main knob press or a dedicated button) to pause or resume playback.
- **Eject CD:** Press the **EJECT** button (usually marked with an upward arrow) to eject the disc.

## 5.3. AM/FM Radio

- **Select Tuner Source:** Press the **SRC** button until "TUNER" or "RADIO" is displayed.
- **Band Selection:** Press the **BAND** button to switch between FM1, FM2, FM3, and AM bands.
- **Manual Tuning:** Press the << or >> buttons briefly to tune step-by-step.
- **Seek Tuning:** Press and hold the << or >> buttons to automatically seek the next strong station.
- **Preset Stations:** To store a station, tune to the desired frequency, then press and hold one of the numeric preset buttons (1-6) until you hear a beep. To recall a preset, briefly press the corresponding numeric button.

## 5.4. Bluetooth Operations

The KDC-BT378U features built-in Bluetooth for hands-free calling and wireless audio streaming.

- **Pairing a Device:**
  - a. Ensure Bluetooth is enabled on your mobile device.
  - b. On the KDC-BT378U, press the **BT** button or select "Bluetooth" as the source.
  - c. Go to your mobile device's Bluetooth settings and search for available devices. Select "KDC-BT378U" from the list.
  - d. Confirm the pairing code on both devices if prompted.
- **Hands-Free Calling:**
  - **Answering a Call:** Press the **CALL** button (often the main knob press or a dedicated phone button) when a call comes in.
  - **Ending a Call:** Press the **CALL** button again or the **END CALL** button.
  - **Making a Call:** Use your phone's voice assistant (via Alexa or phone's built-in assistant) or dial directly from your phone.
- **Bluetooth Audio Streaming (A2DP):**
  - Once paired, select "Bluetooth Audio" as the source.
  - Start playing music on your mobile device. The audio will stream through the car stereo.
  - Use the << and >> buttons on the receiver to control track skip.

## 5.5. USB Playback

Connect a USB storage device (e.g., USB flash drive) to the front USB port for digital audio playback.

- **Connect USB:** Insert the USB device into the front USB port. The unit will automatically switch to the USB source and begin playback.
- **Supported Formats:** The unit supports various audio formats such as MP3, WMA, WAV, and FLAC.
- **Folder/File Navigation:** Use the main control knob or dedicated folder buttons to navigate through folders and files on the USB device.
- **Track Control:** Use the << and >> buttons for track skip.

## 5.6. Amazon Alexa Built-in

The KDC-BT378U features Amazon Alexa Built-in, allowing you to use voice commands for various functions. An internet connection via your smartphone is required.

- **Setup:**
  - a. Download and install the "Amazon Alexa" app on your smartphone.
  - b. Connect your smartphone to the KDC-BT378U via Bluetooth.
  - c. Open the Alexa app and follow the on-screen instructions to set up your device.
- **Using Alexa:**
  - Press the dedicated **VOICE** button on the receiver.
  - Speak your command clearly after the prompt. Examples: "Alexa, play pop music," "Alexa, what's the weather?"; "Alexa, call Mom."

## 5.7. Spotify Ready

Control your Spotify music directly from the receiver when your smartphone is connected via Bluetooth.

- **Setup:** Ensure the Spotify app is installed on your smartphone and you are logged in. Connect your smartphone to the KDC-BT378U via Bluetooth.
- **Access Spotify:** Select "Spotify" as the source on the receiver.
- **Control:** Use the receiver's controls (e.g., track skip, play/pause) to manage Spotify playback. You can also use the Spotify app on your phone.

## 5.8. SiriusXM Ready

The KDC-BT378U is SiriusXM Ready, meaning it can receive SiriusXM satellite radio with the addition of an optional SiriusXM Connect Vehicle Tuner (sold separately) and a subscription.

- **Installation:** Connect the SiriusXM Connect Vehicle Tuner to the dedicated port on the rear of the receiver. Install the SiriusXM antenna according to the tuner's instructions.
- **Activation:** Follow the instructions provided with your SiriusXM tuner to activate your subscription.
- **Operation:** Select "SiriusXM" as the source. Use the receiver's controls to browse channels, categories, and set presets.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your KENWOOD KDC-BT378U.

- **Cleaning the Unit:** Use a soft, dry cloth to wipe the front panel. For stubborn dirt, dampen the cloth lightly with water. Never use abrasive cleaners, solvents, or alcohol, as they can damage the finish or markings.
- **CD Player Maintenance:** Avoid inserting dirty, scratched, or warped discs. Do not use lens cleaning discs that are not specifically designed for car audio players.

- **USB Port:** Keep the USB port free of dust and debris.
- **General Care:** Avoid exposing the unit to extreme temperatures, direct sunlight for prolonged periods, or excessive humidity.

## 7. TROUBLESHOOTING

If you encounter issues with your KDC-BT378U, refer to the following table for common problems and their solutions. If the problem persists, contact Kenwood customer support or a qualified service technician.

**Table 7.1: Troubleshooting Guide**

Problem	Possible Cause	Solution
No power	Blown fuse; Incorrect wiring; Vehicle battery low.	Check and replace fuse if necessary; Verify all power and ground connections; Charge vehicle battery.
No sound	Volume too low; Mute function active; Incorrect speaker wiring; Amplifier not powered (if external).	Increase volume; Deactivate mute; Check speaker connections for shorts or open circuits; Verify amplifier power.
Bluetooth connection fails	Device not in pairing mode; Incorrect pairing procedure; Interference.	Ensure Bluetooth is enabled on both devices and in pairing mode; Delete previous pairings and try again; Move closer to the unit.
CD does not play or eject	Disc inserted incorrectly; Disc is dirty, scratched, or warped; Unit malfunction.	Re-insert disc correctly; Clean or try a different disc; If problem persists, seek service.
Radio reception is poor	Antenna not connected or damaged; Weak signal area; Interference.	Check antenna connection; Try tuning to a stronger station; Move away from sources of electrical interference.
Alexa not responding	No internet connection; Microphone disconnected or obstructed; Alexa app not running or logged in.	Ensure smartphone has active internet and is connected via Bluetooth; Check microphone connection and placement; Verify Alexa app status.

## 8. SPECIFICATIONS

Detailed technical specifications for the KENWOOD KDC-BT378U.

**Table 8.1: Product Specifications**

Feature	Detail
Model Number	KDC-BT378U-UOB
Product Dimensions (D x W x H)	9.6"D x 4"W x 9.1"H (approx. 24.4 cm x 10.2 cm x 23.1 cm)
Item Weight	3.2 pounds (approx. 1.45 kg)
Connectivity Technology	Auxiliary, Bluetooth, USB
Controller Type	Android (also compatible with iOS via Bluetooth/USB)
Special Feature	Equalizer, Variable Color Illumination, Alexa Built-in, Spotify Ready, SiriusXM Ready
Compatible Devices	Smartphone, Tablet, Speaker
Connector Type	3.5mm Jack (Auxiliary), USB

Feature	Detail
Audio Output Mode	Stereo
Surround Sound Channel Configuration	6.1 (Pre-out configuration)
Display Type	255 Segment 1.5 Line Text Display
Manufacturer	KENWOOD
First Available Date	October 1, 2019

## 9. WARRANTY AND SUPPORT

Your KENWOOD KDC-BT378U CD Car Stereo Receiver is backed by Kenwood's manufacturer warranty. Please refer to the included warranty card for specific terms, conditions, and duration of coverage.

For technical support, service, or to inquire about additional accessories, please contact Kenwood customer support or visit their official website:

- **Kenwood Official Website:** [www.kenwood.com](http://www.kenwood.com)
- **Customer Service:** Refer to the contact information provided on your warranty card or the Kenwood website for phone numbers and email support.

Keep your purchase receipt and warranty card in a safe place, as they may be required for warranty claims.