

Pioneer DEH-970

Pioneer Carrozzeria DEH-970 Car Audio System User Manual

Model: DEH-970

INTRODUCTION

The Pioneer Carrozzeria DEH-970 is a sophisticated 1DIN car audio system engineered for exceptional sound reproduction. This unit integrates CD, USB, Bluetooth, and SD card playback capabilities, offering versatile media options. It incorporates advanced audio processing technologies such as a selectable 3-way multi-amp/multi-speaker 'Network Mode', Auto Time Alignment, and a 2-channel Auto Equalizer to optimize sound performance within your vehicle's environment. The Advanced Sound Retriever feature enhances the quality of compressed audio files, bringing them closer to CD-level fidelity. Navigation through your music library is streamlined with the intuitive Music Browser, and all information is clearly displayed on a large full-dot LCD with Japanese language support.



Figure 1: Front view of the Pioneer Carrozzeria DEH-970 Car Audio System.

SETUP

Package Contents

- Remote Control
- USB Extension Cables (x2)
- Sound Characteristic Measurement Microphone
- Hands-Free Microphone
- Front Panel Protection Case
- Speaker/RCA Conversion Cable

Installation

Professional installation is highly recommended for this car audio system. Ensure all wiring connections are secure and correctly matched to your vehicle's electrical system. Refer to the detailed installation guide provided separately for specific wiring diagrams and mounting instructions.

Dimensions: 178 mm (W) × 50 mm (H) × 165 mm (D)

Weight: 1.2 kg

Initial Power-On

After installation, turn on your vehicle's ignition. The unit should power on automatically. Follow the on-screen prompts for initial setup, including language selection and basic audio configuration.

OPERATING INSTRUCTIONS

Main Unit Controls



Figure 2: Main unit controls.

- **Rotary Knob:** Turn to adjust volume. Press to enter menu options or confirm selections.
- **SRC (Source):** Press to cycle through audio sources (CD, USB, SD, Bluetooth Audio, Radio, AUX).
- **BAND:** Selects radio bands (FM1, FM2, FM3, AM) or switches between tuner presets.
- **DISP (Display):** Changes display information or settings.
- **Back/Escape Button:** Returns to the previous menu or cancels an operation.

Remote Control





Figure 3: Remote control for the DEH-970.

The included remote control provides convenient access to common functions such as volume adjustment, source selection, track skipping, and muting. Refer to the remote control diagram in the separate manual for a full overview of its buttons.

CD Playback

1. Insert a CD into the disc slot with the label side facing up. The unit will automatically begin playback.
2. Use the track skip buttons on the unit or remote to navigate between tracks.
3. Press the eject button to remove the CD.

USB/SD Card Playback



Figure 4: DEH-970 connected to an iPhone via USB.

1. Connect a USB device to the USB input or insert an SD card into the SD card slot.
2. Select USB or SD as the source using the SRC button.
3. Utilize the Music Browser feature to efficiently search and select tracks by artist, album, genre, or playlist.

Bluetooth Connectivity

1. **Pairing:** Enable Bluetooth on your mobile device and search for available devices. Select "DEH-970" from the list. Follow any on-screen prompts to complete pairing.
2. **Audio Streaming:** Once paired, select Bluetooth Audio as the source to stream music from your device.
3. **Hands-Free Calling:** When a call comes in, press the phone button on the unit or remote to answer. Use the included hands-free microphone for clear communication.

Advanced Audio Settings

- **Network Mode:** Enables a 3-way multi-amp/multi-speaker system for advanced sound staging and control.
- **Auto Time Alignment & Auto Equalizer:** Use the included measurement microphone to automatically optimize sound settings for your vehicle's interior, ensuring a balanced and precise audio experience.
- **Advanced Sound Retriever:** This technology restores harmonics and sound pressure lost during the compression process of digital audio files, enhancing their quality.

MAINTENANCE

Cleaning the Unit

Wipe the unit's surface and front panel with a soft, dry cloth. For stubborn dirt, dampen the cloth with a small amount of neutral detergent and then wipe with a dry cloth. Avoid using abrasive cleaners, solvents, or alcohol, as these can damage the finish.

Media Care

- **CDs:** Handle CDs by their edges. Clean with a soft, lint-free cloth, wiping from the center outwards.
- **USB Devices/SD Cards:** Ensure these are clean and free of debris before insertion. Avoid exposing them

to extreme temperatures or moisture.

TROUBLESHOOTING

No Power/No Sound

- Check all power and speaker connections. Ensure they are securely fastened.
- Verify the vehicle's ignition is on and the unit's fuse is intact.
- Increase the volume level.

Bluetooth Pairing Issues

- Ensure your mobile device's Bluetooth is enabled and discoverable.
- Delete previous pairing records from both the DEH-970 and your mobile device, then attempt to pair again.
- Move your mobile device closer to the DEH-970.

CD/USB/SD Playback Errors

- Ensure the media is inserted correctly and is clean.
- Verify that the audio files are in a supported format.
- For USB/SD, check if the device/card is properly formatted (e.g., FAT32).

Automatic Antenna Extension

Note that if your vehicle is equipped with an automatic antenna, it will extend whenever the DEH-970 unit is powered on, regardless of the selected audio source (e.g., CD, USB, Bluetooth). This is a specification of the unit. If this causes issues in low-clearance areas (e.g., parking garages), exercise caution.

Noise During Playback (Radio/Microphone)

- Recheck all wiring connections, especially ground connections, for looseness or corrosion.
- Clean the antenna plug and other contact points with a contact cleaner if necessary.

SPECIFICATIONS

Brand	Pioneer
Model Number	DEH-970
Connectivity Technology	USB, Bluetooth
Controller Type	iOS (for compatible devices)
Special Features	Bluetooth Built-in, DSP (Digital Signal Processor)
Compatible Devices	Speakers
Audio Encoding	Stereo
Product Dimensions (D x W x H)	16.5 cm x 17.8 cm x 5 cm
Product Weight	1.2 kg
Number of Channels	2
Recommended Network Service	Spotify

Control Method	Remote
Maximum Current Consumption	10.0A

WARRANTY & SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Pioneer website. Keep your proof of purchase for any warranty claims. Contact Pioneer customer service for assistance with product operation, troubleshooting, or service requests.