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Aiwa AW-5444BT

Aiwa AW-5444BT Bluetooth Car Stereo User Manual

Model: AW-5444BT

1. INTRODUCTION

Thank you for purchasing the Aiwa AW-5444BT Bluetooth Car Stereo. This unit is designed to enhance your in-car audio experience with powerful sound, versatile connectivity, and a modern design. This manual provides essential information for proper installation, operation, and maintenance of your new car stereo. Please read it thoroughly before use and keep it for future reference.

2. SAFETY INFORMATION

- Always operate the vehicle safely. Do not perform any operations that distract you from driving.
- Ensure proper wiring connections to prevent damage to the unit or vehicle. Incorrect wiring can cause fire or malfunction.
- Consult a qualified technician for installation if you are unsure about any steps.
- Do not disassemble or modify the unit. This may cause accidents, fire, or electric shock.
- Keep the volume at a level where you can still hear outside traffic sounds.
- The detachable panel should be removed when leaving the vehicle to deter theft.

3. PACKAGE CONTENTS

Please check that all items are present in the package:

- Aiwa AW-5444BT Car Stereo Head Unit
- Remote Control
- Wiring Harnesses (Power/Speaker, RCA)
- Mounting Hardware (Screws, Mounting Sleeve)
- User Manual (This document)



Figure 3.1: Included components of the Aiwa AW-5444BT car stereo system.

4. PRODUCT OVERVIEW

4.1 Front Panel Controls



Figure 4.1: Front panel of the Aiwa AW-5444BT Car Stereo.

The front panel features a clear display, a large rotary knob for volume and menu navigation, and various buttons for function control. Key features include:

- **Power/Mode Button (/MOD):** Turns the unit on/off and switches between audio sources (FM/AM, Bluetooth, USB, SD, AUX).
- **Rotary Knob:** Adjusts volume, navigates menus, and confirms selections.
- **USB Port:** Connect USB storage devices for audio playback.
- **SD Card Slot:** Insert SD cards for audio playback.
- **AUX Input:** 3.5mm jack for connecting external audio devices.
- **IR Sensor:** For remote control reception.
- **Display:** Shows current status, track information, radio frequency, etc.
- **Detachable Panel:** The entire front panel can be removed for security.

4.2 Rear Connections



Figure 4.2: Rear connections of the Aiwa AW-5444BT Car Stereo.

The rear of the unit provides essential connections for power, speakers, and external amplifiers:

- **Main Wiring Harness Connector:** Connects to the vehicle's power supply and speaker wires.
- **RCA Output Jacks:** For connecting to external amplifiers (e.g., for subwoofers or additional speakers).
- **Antenna Input:** Connects to the vehicle's radio antenna.

5. INSTALLATION

Proper installation is crucial for optimal performance and safety. It is highly recommended to have this unit installed by a professional car audio technician.

5.1 Wiring Diagram

Refer to the wiring diagram provided with the unit or on the included wiring harnesses. Ensure all connections are secure and correctly matched to your vehicle's wiring. Common connections include:

- **Yellow (Constant 12V):** Connect to a constant 12V power source.
- **Red (Accessory 12V):** Connect to a switched 12V power source (ignition).
- **Black (Ground):** Connect to a good chassis ground point.
- **Blue (Antenna/Remote Turn-on):** Connect to power antenna or amplifier remote turn-on lead.
- **Speaker Wires:** Connect to the corresponding positive (+) and negative (-) terminals of your vehicle's speakers. Ensure correct polarity.

5.2 Mounting

The unit is designed for standard DIN-sized openings. Use the supplied mounting sleeve and screws to secure the unit in

the dashboard. Ensure the unit is firmly in place to prevent vibration and damage.

6. OPERATING INSTRUCTIONS

6.1 Basic Operation

- **Power On/Off:** Press the /MOD button to turn the unit on. Press and hold to turn off.
- **Source Selection:** Press the /MOD button repeatedly to cycle through available sources (FM/AM, BT, USB, SD, AUX).
- **Volume Control:** Rotate the large knob to adjust the volume level.
- **Mute:** Briefly press the rotary knob to mute/unmute audio.

6.2 Bluetooth Operation

The AW-5444BT supports Bluetooth for hands-free calling and audio streaming.

1. Pairing:

- Ensure Bluetooth is enabled on your mobile device.
- Select 'BT' as the source on the car stereo. The display will show 'PAIRING'.
- Search for Bluetooth devices on your phone and select 'AW-5444BT'.
- Once paired, the display will show 'CONNECTED'.

2. Hands-Free Calling:

- When a call comes in, the unit will display the caller ID.
- Press the ►= button (usually on the left side of the rotary knob) to answer, or the ◀= button to reject.
- During a call, use the rotary knob to adjust call volume.

3. Audio Streaming:

- After pairing, play music on your mobile device. Audio will stream through the car stereo.
- Use the ◀◀ and ▶▶ buttons on the stereo or remote to skip tracks.
- Use the ►= button to play/pause.

6.3 USB/SD Operation

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 of compatible audio files.

- **Play/Pause:** Press the ►= button.
- **Next/Previous Track:** Press the ▶▶ or ◀◀ buttons.
- **Folder Navigation:** Use the folder up/down buttons (if available) or menu options to browse folders.

6.4 AUX Input Operation

Connect an external audio device (e.g., MP3 player, smartphone) to the 3.5mm AUX input jack on the front panel using an audio cable. Select 'AUX' as the source. Audio will play from the connected device.

6.5 Radio Operation (FM/AM)

- **Band Selection:** Press the BND button to switch between FM1, FM2, FM3, and AM bands.
- **Automatic Search:** Press and hold the ▶▶ or ◀◀ buttons to automatically search for the next/previous strong

station.

- **Manual Tuning:** Briefly press the ►► or ◀◀ buttons to fine-tune the frequency step by step.
- **Preset Stations:** The unit allows you to store your favorite stations. Tune to a station, then press and hold one of the numbered preset buttons (1-6) to save it. Briefly press to recall a saved station.

6.6 Audio Settings

Press the rotary knob briefly to access audio settings. Rotate the knob to navigate through options like BASS, TREBLE, BALANCE, FADER, EQ (Equalizer), and LOUD. Press the knob again to select an option, then rotate to adjust its value.

- **Equalizer (EQ):** Choose from preset EQ modes (e.g., POP, ROCK, CLASSIC) or a custom setting.
- **Loudness:** Boosts bass and treble frequencies at low volumes for a fuller sound.
- **Variable Lighting:** The unit features variable LED illumination. This setting can usually be adjusted within the menu to change the display and button colors.

7. MAINTENANCE

- **Cleaning the Unit:** Use a soft, dry cloth to clean the front panel and display. Do not use abrasive cleaners or solvents.
- **Detachable Panel Care:** When removing the front panel, handle it carefully to avoid scratches or damage to the connectors. Store it in a protective case (if provided) or a safe place.
- **Fuse Replacement:** If the unit does not power on, check the fuse located at the rear of the unit. Replace it with a fuse of the same rating (e.g., 10A). Never use a fuse with a higher rating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Incorrect wiring; Blown fuse; Vehicle ignition off.	Check wiring connections; Replace fuse; Turn vehicle ignition on.
No sound	Volume too low; Mute activated; Incorrect speaker wiring; Amplifier off (if connected).	Increase volume; Deactivate mute; Check speaker connections; Check amplifier power.
Bluetooth not connecting	Bluetooth not enabled on phone; Unit not in pairing mode; Device already paired to another unit.	Enable Bluetooth on phone; Ensure unit is in BT mode; Forget device on phone and re-pair.
USB/SD not playing	Incompatible file format; Corrupted media; Incorrectly inserted.	Ensure files are MP3/WMA; Try different media; Reinsert USB/SD card.
Poor radio reception	Antenna not connected; Weak signal area; Damaged antenna.	Check antenna connection; Try tuning in a different location; Inspect antenna for damage.

9. SPECIFICATIONS

- **Model:** AW-5444BT
- **Power Output:** 4 x 50W Max
- **Connectivity:** Bluetooth, USB, SD Card, AUX Input (3.5mm), RCA Output

- **Radio Tuner:** FM/AM
- **Audio Features:** Built-in Equalizer, Loudness Function, Bass/Treble Control
- **Display:** LED with Variable Illumination
- **Panel:** Detachable Front Panel
- **Control:** Remote Control Included
- **Dimensions (W x H x D):** Approximately 13 x 4.8 x 22.8 cm (5.1 x 1.9 x 9 inches)
- **Weight:** Approximately 720 g (1.59 lbs)

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official Aiwa website for your region. Keep your purchase receipt as proof of purchase for any warranty claims.