

aiwa

COMPACT
disc
DIGITAL AUDIO

OPERATING INSTRUCTIONS
MANUAL DE INSTRUCCIONES
MODE D'EMPLOI

CDC-Z106 YU

STEREO CAR CD RECEIVER
RADIO-TOCADISCOS DE CD ESTEREOFONICO PARA
AUTOMOVIL

ENGLISH

ESPAÑOL

FRANÇAIS

OWNER'S RECORD

For your convenience, record the model number and serial number (you will find them on the right side of your set) in the space provided below. Please refer to them when you contact your AIWA dealer in case of difficulty.

Model No.

Serial No.

Welcome

Thank you for your purchasing this AIWA product. To optimize the performance of this unit, please read through this manual carefully.

In addition to this operating instructions manual, be sure to refer to the separate installation and connections manuals as well.

PRECAUTIONS

- This unit is designed to be operated on a 12-volt DC negative-ground electrical system only.
- To prevent short-circuiting, disconnect the negative car battery terminal until the unit has been mounted and connected completely.
- When replacing the fuse, be sure to use one whose amperage rating is identical. Use of a fuse of higher amperage may cause serious damage to the unit.
- Do NOT attempt to disassemble this unit. Laser rays from the optical pickup are dangerous to the eyes.
- Make sure that pins or other foreign objects do not get inside the unit; they may cause malfunctioning, or a safety hazard such as electrical shock or exposure of laser rays.
- When your car was parked in direct sunlight resulting in a considerable rise in temperature inside the car, allow the unit to cool off before operating it.
- Keep the volume at such a level that you can hear outside warning sounds (horns, sirens, etc.).

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION

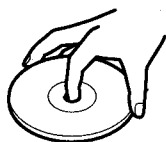
Modifications or adjustments to this product, which are not expressly approved by the manufacturer, may void the user's right or authority to operate this product.

TABLE OF CONTENTS

FRONT PANEL	3
SETTING THE CLOCK	4
RADIO OPERATION	4
PRESETTING STATIONS	5
MY INFORMATION SWITCH	7
CD PLAY	8
SOUND ADJUSTMENTS	10
CONNECTING A PORTABLE CASSETTE/MD PLAYER OR OTHER EQUIPMENT	11
TROUBLESHOOTING	11
MAINTENANCE	12
SPECIFICATIONS	12

Notes on CDs

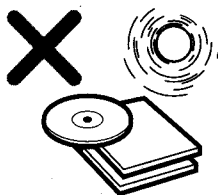
- A defective or soiled disc inserted into the unit can cause sound to drop out during playback.
- Handle the disc by holding its inner and outer edges.



- Do NOT touch the surface of the unlabeled side of the disc.
- Do NOT stick paper or tape etc. on the surface.



- Do NOT expose the disc to direct sunlight or excessive heat.

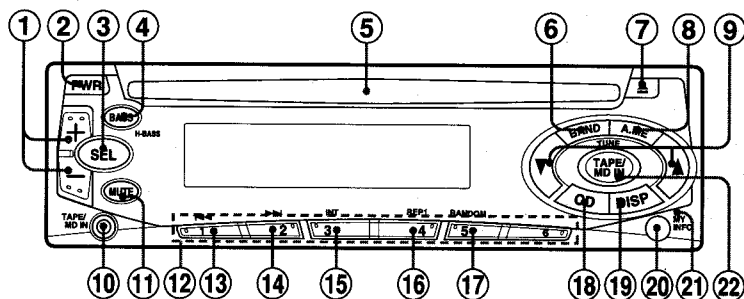


- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.

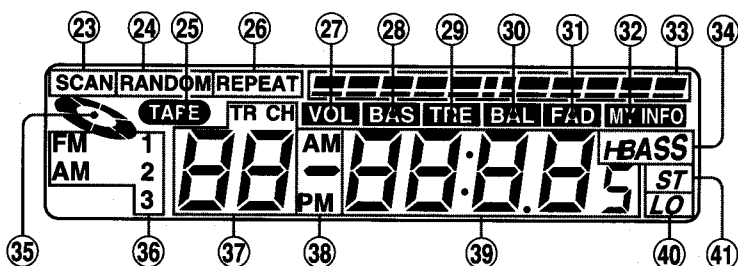


- NEVER use solvents such as benzine or alcohol to clean the disc.
- Smaller 3-inch (8cm) CDs cannot be played on this unit. And do not use an adaptor as it may cause malfunctioning.
- Do NOT use irregular shape CDs (example: heart-shaped, octagonal ones). It may result in malfunction.

FRONT PANEL

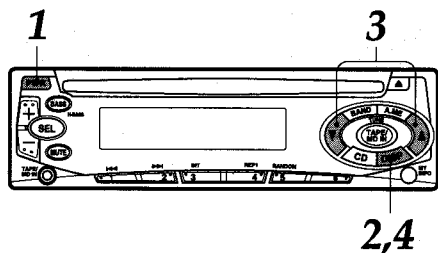


Display window



- | | |
|---|---------------------------------------|
| ① +/− (audio control) button | ②② TAPE/MD IN button |
| ② PWR (power on/off) button | ②③ SCAN indicator |
| ③ SEL (select) button | ②④ RANDOM indicator |
| ④ H-BASS button | ②⑤ TAPE indicator |
| ⑤ Disc compartment | ②⑥ REPEAT indicator |
| ⑥ BAND button | ②⑦ VOL (volume) indicator |
| ⑦ ▲ (eject) button | ②⑧ BAS (bass) indicator |
| ⑧ A.ME (auto memory/preset scan) button | ②⑨ TRE (treble) indicator |
| ⑨ TUNE ▼/▲ buttons | ③⑩ BAL (balance) indicator |
| ⑩ TAPE/MD IN jack (3.5-mm dia.) | ③⑪ FAD (fader) indicator |
| ⑪ MUTE button | ③⑫ MY INFO (my information) indicator |
| ⑫ Preset station buttons 1 – 6 | ③⑬ Audio control indications |
| ⑬ ⏮ (back skip) button | ③⑭ H BASS indicator |
| ⑭ ⏭ (forward skip) button | ③⑮ CD indicator |
| ⑮ INT (intro) button | ③⑯ Band indicator |
| ⑯ REP1 (repeat 1) button | ③⑰ Track/Presets number indication |
| ⑰ RANDOM button | ③⑱ AM/PM indicator |
| ⑱ CD (CD play/pause) button | ③⑲ Main display section |
| ⑲ DISP (display) button | ④⑰ LO (local) indicator |
| ⑳ MY INFO (my information) button | ④⑱ ST (stereo) indicator |
| ㉑ Reset button | |

SETTING THE CLOCK



- 1 Press PWR to turn the unit on.
- 2 Press and hold DISP for more than 2 seconds.



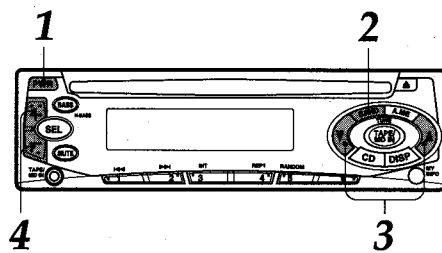
- 3 Press TUNE ▼ to set the hour.
Press TUNE ▲ to set the minute.
- 4 Press DISP.
The clock starts working from 0 second.

Having the clock displayed while the unit is turned on

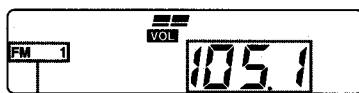
Press DISP.

To return the unit to its former display, press DISP again.

RADIO OPERATION



- 1 Press PWR to turn the unit on.
- 2 Press BAND to select the band from among FM1, FM2, FM3, AM1, and AM2. The band indicators appear cyclically in order.
 - FM1, FM2 and FM3 share the same frequency range.
 - AM1 and AM2 share the same frequency range.



Band indicator Frequency indication

- 3 Press (more than 2 seconds) either TUNE ▼ or TUNE ▲ to tune in the desired station.

The unit starts scanning and tunes in a station automatically (seek tuning).

Press TUNE ▼ to decrease and TUNE ▲ to increase the frequency.

Press the button again to cancel the function.

Repeat the procedure until the desired station is tuned in.

Note

If you press (less than 0.5 second at a time) either TUNE ▼ or TUNE ▲, the frequency decreases or increases step by step.

- 4 Adjust the volume with +/-.

continued

RADIO OPERATION

To turn the unit off

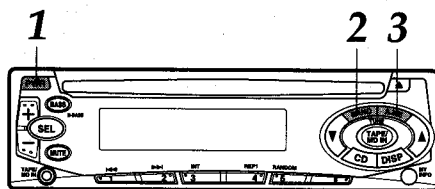
Press PWR.

Note

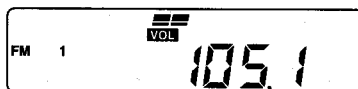
The "ST" indicator lights up when the tuned-in station is broadcasting in stereo and the reception is good.

PRESETTING STATIONS

To preset stations automatically
(auto memory)



- 1 Press **PWR** to turn the unit on.
- 2 Press **BAND** to select a desired band from among FM1, FM2, FM3, AM1, and AM2.



- 3 Press and hold **A.ME** for more than 2 seconds to activate the automatic presetting function.

This unit can store up to 6 stations in memory for the preset station buttons 1 to 6 with "LO" (local) indicator lighting up.

If the unit could not search for all of 6 stations, "LO" (local) indicator goes off and starts searching for weaker stations again.

Use this function to automatically preset up to 6 stations each for FM1, FM2, FM3, AM1, and AM2 (up to a total of 30 stations).

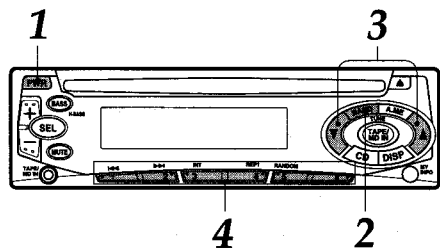
- When auto memory is completed, the station stored in the preset station button 1 is tuned in.
- To stop auto memory, press A.ME again.

To check the preset stations (preset scan)

- If you wish to check the preset stations, press A.ME for less than 2 seconds. The preset stations stored in memory will be tuned in for 5 seconds each in order.
- To stop this function, press A.ME again or press any of the preset station buttons 1 to 6.

To preset stations manually

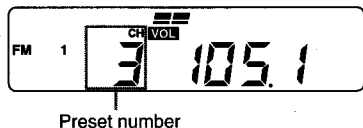
You can manually preset stations that have not been selected by auto memory.



- 1 Press PWR to turn the unit on.
- 2 Press BAND to select the band from among FM1, FM2, FM3, AM1, and AM2.
- 3 Tune in the station that you wish to preset with TUNE ▼ or TUNE ▲.
- 4 Press one of the preset station buttons 1 to 6 for approximately 2 seconds.

While the station you are presetting is being registered in memory, the sound is momentarily muted.

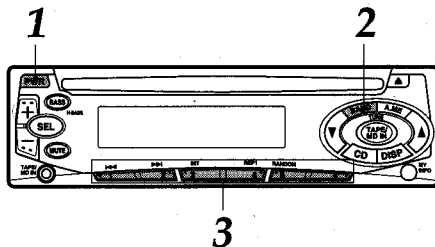
The number of the pressed preset station button appears next to the frequency indication.



Repeat these procedures to preset up to 6 stations each for FM1, FM2, FM3, AM1, and AM2.

- If you try to preset a station on a preset station button on which another station of the same band has already been preset, the previously preset station will be erased.

To tune in the preset stations



- 1 Press PWR to turn the unit on.
- 2 Press BAND to select a desired band from among FM1, FM2, FM3, AM1, and AM2.
- 3 Press the desired preset station button. The number of the pressed preset station button appears next to the frequency indication.

Active tuning reception control (ATRC)

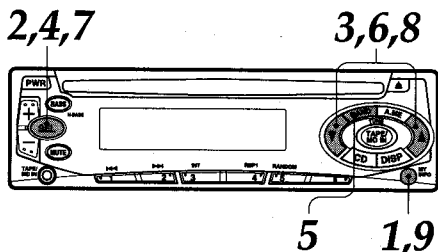
This unit automatically suppresses FM noise caused by varying signal strength resulting from movement of the car.

- The built-in automatic blending circuit mixes the left and right channel signals according to the strength of the reception. At the same time, the high-cut circuit activates to maintain the sound quality.
- If the reception becomes even weaker, the unit automatically switches to Monaural mode to reduce noise.

MY INFORMATION SWITCH

You can timer-activate the radio for a daily radio program. The unit turns on and off in Radio mode at the preset time automatically.

Setting the timer



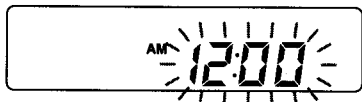
- 1 With the unit off, press and hold MY INFO for more than 2 seconds.

The "PO" indication flashes in the display window.



- 2 Press SEL.

Timer indication flashes.



- 3 Set the time you wish the unit to turn on in Radio mode.

Press TUNE ▼ to set the hour.

Press TUNE ▲ to set the minute.

- 4 Press SEL.

Radio indication flashes.



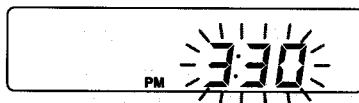
Band indicator

- 5 Press BAND to select the band.

- 6 Tune in the station that you wish to preset with TUNE ▼ or TUNE ▲.

- 7 Press SEL.

Timer indication flashes.



- 8 Set the time you wish the unit to turn off.

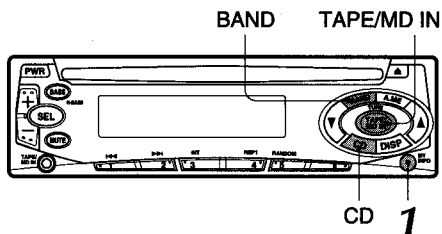
Press TUNE ▼ to set the hour.

Press TUNE ▲ to set the minute.

- 9 Press and hold MY INFO for more than 2 seconds.

Your setting is stored in memory and the unit turns off.

Activating the timer



1 With the unit on, press MY INFO.

The "MY INFO" indicator lights up and the timer is activated.

To cancel the timer

Press MY INFO again so that the "MY INFO" indicator disappears.

To check the setting

With the unit off, press MY INFO.

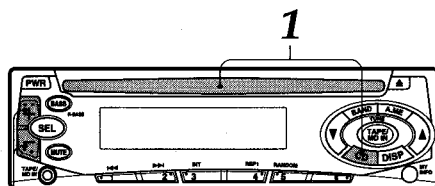
The turn-on time, followed by the radio frequency and the turn-off time, appears in the display window each for 1 second, then the unit turns off.

Notes

- Even if the unit is in a mode other than Radio mode, the unit switches to Radio mode and tunes in the preset radio program at the preset time automatically.
- Even if you are listening to a radio program with this function, pressing the following buttons switches the unit to other mode:
 - Pressing BAND changes the unit to Radio mode.
 - Pressing CD changes the unit to CD Play mode.
 - Pressing TAPE/MD IN changes the unit to TAPE/MD IN mode.

If you switch modes with these buttons, the unit does not turn off at the turn-off time of the timer.

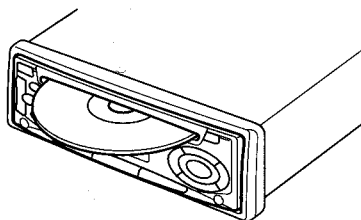
CD PLAY



2

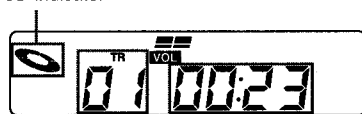
1 Insert a disc with the labeled side upward to start CD play.

If a disc is already inserted, press CD to start CD play.



The track number and elapsed playing time appear.

CD indicator

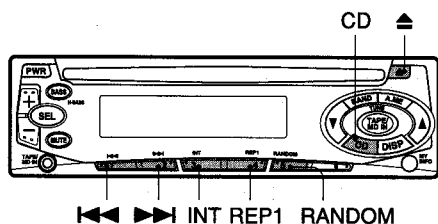


Track number Elapsed playing time

2 Adjust the volume with +/-.

continued

CD PLAY



Press these buttons to operate CD play.

Press	To
	Eject a disc.
CD	Pause play. The elapsed playing time flashes. To resume play, press CD again.
	Skip to the next track with a short press (for less than 0.5 second). Each extra press skips forward one extra track. To search forward rapidly, press and hold until the desired part is played, then release it.
	Restart the track currently in play with a short press (for less than 0.5 second). Each extra press skips backward one extra track. To search backward rapidly, press and hold until the desired part is played, then release it.

Notes

- Smaller 3-inch (8 cm) CDs cannot be played on this unit. And do not use an adaptor as it may cause malfunctioning.
- When you insert a disc, CD play starts at the first track on the disc. When switching back from Radio mode, etc. if you press CD with a disc inserted, CD play starts at the point on the disc where it had stopped previously.

Repeat play

Press REP1 during CD play.

The "REPEAT" indicator lights up and the currently selected track is played repeatedly.

Press REP1 again to cancel Repeat play.

Note

If Repeat play is not activated, all the tracks on the disc are played repeatedly.

Intro play

Press INT during CD play.

The "SCAN" indicator lights up and the first 10 seconds of all the tracks on the disc are played in order.

When the desired track is found, press INT again. The unit returns to the normal CD play.

Random play

Press RANDOM during CD play.

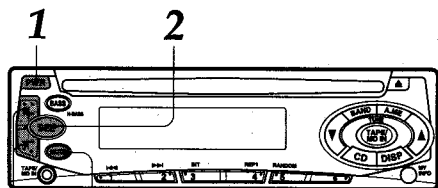
The "RANDOM" indicator lights up and the tracks on the disc are played randomly.

Press RANDOM again to cancel Random play.

Note

During Random play, even if is pressed repeatedly, the track currently in play is restarted.

SOUND ADJUSTMENTS



3 MUTE

- 1 Press PWR to turn the unit on.
- 2 Press SEL to select the mode that you wish to adjust from: VOL (volume), BAS (bass), TRE (treble), BAL (balance), FAD (fader).

The following indicators appear in cyclic order.



The selected mode switches to Volume mode if you do not proceed with step 3 within 5 seconds.

- 3 Press +/- to adjust the level.

Press and hold either button to change the level rapidly.

Adjust each mode referring to the audio control indications in the display window.

	-	+
VOL	Decreases the volume level	Increases the volume level
BAS	Decreases the bass level	Increases the bass level
TRE	Decreases the treble level	Increases the treble level
BAL	Decreases the level of the right speaker(s)	Decreases the level of the left speaker(s)
FAD	Decreases the level of the front speakers	Decreases the level of the rear speakers

Without selecting any mode with SEL, only the volume level can be adjusted by pressing +/-.

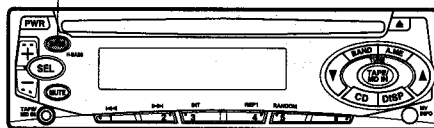
MUTE button

Press this button to temporarily lower the volume. Press it again to restore the previous volume. The audio control indications in the display window flash while the mute function is activated.

H-BASS (High BASS)

You can enjoy music with strong bass sound.

H-BASS

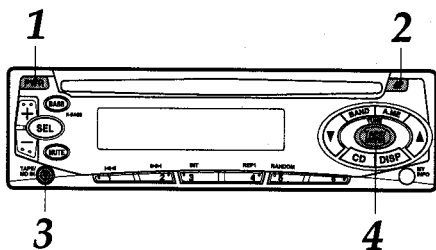


Press H-BASS to obtain powerful bass.

The "H-BASS" indicator lights up.

Press H-BASS again to cancel H-BASS.

CONNECTING A PORTABLE CASSETTE/ MD PLAYER OR OTHER EQUIPMENT



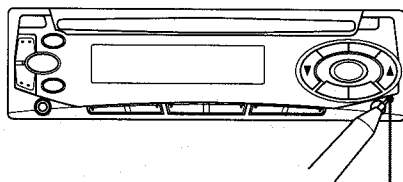
- 1 Press PWR to turn the unit on.
- 2 If a disc is inserted, remove it to prevent possible damage to the unit.
- 3 Connect a portable cassette/MD player, etc. via the TAPE/MD IN jack (3.5-mm dia.) on the unit.
- 4 Press TAPE/MD IN to listen to the connected equipment.
The "TAPE" indicator lights up.
The clock display appears.

- For further information on the portable cassette/MD player, etc., refer to the operating instructions for the equipment.

TROUBLESHOOTING

Reset button

Try pressing this button if a CD does not operate properly. When you press this button, use the tip of a pointed object such as a pencil or toothpick. Note that the memory contents, however, will be erased by pressing this button.



Reset button

MAINTENANCE

Cleaning the front panel

When the front panel is soiled, wipe the surface of the panel with a dry and soft cloth.

SPECIFICATIONS

RADIO SECTION

(FM)

Frequency Range: 87.5 MHz–108 MHz
(100-kHz steps)
87.5 MHz–108 MHz
(50-kHz steps)
Usable Sensitivity: 12.7 dBf
50 dB Quieting Sensitivity: 17.2 dBf
IF Rejection: 80 dB
Frequency Response: 30 Hz–15,000 Hz
S/N Ratio: 63 dB
Stereo Separation: 35 dB at 1 kHz
Alternate Channel Selectivity: 70 dB
Capture Ratio: 3 dB

(AM)

Frequency Range: 530 kHz–1,710 kHz
(10-kHz steps)
522 kHz–1,620 kHz
(9-kHz steps)
Usable Sensitivity: 30 μ V (30 dB)

CD SECTION

Frequency Response: 17 Hz–20 kHz $\pm 0/-3$ dB
Dynamic Range: More than 80 dB
Channel Separation: More than 65 dB
S/N Ratio: More than 85 dB
Wow/Flutter: Unmeasurable

AUDIO SECTION

Max. Power Output: 40 W \times 4 channels

TAPE/MD IN input

Input sensitivity (load impedance)
TAPE/MD IN: 500 mV (10 k Ω)

GENERAL

Power-Supply Voltage: 14.4 V (11 to 16 V allowable),
DC, negative ground
Load Impedance: 4 Ω
Tone Control: Bass \pm 10 dB at 100 Hz
Treble \pm 10 dB at 10 kHz
Preamp Output Voltage (load impedance):
2.2 V (10 k Ω)
Installation size: 182 (W) \times 53 (H) \times 155 (D) mm
(7 $\frac{1}{4}$ (W) \times 2 $\frac{1}{8}$ (H) \times
6 $\frac{1}{8}$ (D) inches)

- Specifications and external appearance are subject to change without notice due to product improvement.

