

aiwa

Compact Disc Stereo System

XR-M313

U

COMPACT
disc
DIGITAL AUDIO

For assistance and information

call toll free 1-800-BUY-AIWA

(United States and Puerto Rico)

8B-CL7-903-01
010120AYK-H-M

OPERATING INSTRUCTIONS

En (English)

MANUAL DE INSTRUCCIONES

E (Español)

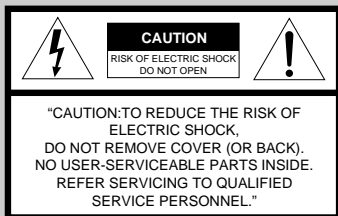
MODE D'EMPLOI

F (Français)

PRECAUTIONS

WARNING

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.



Explanation of Graphical Symbols:

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Read these Operating Instructions carefully and completely before operating the unit. All precautions in this booklet and on the unit should be strictly followed.

Keep the Operating Instructions for future reference.

Installation

1 Water and moisture — Do not use this unit near water, such as near a bathtub, washbowl, swimming pool, or the like.

2 Heat — Do not use this unit near sources of heat, including heating vents, stoves, or other appliances that generate heat. It also should not be placed in temperatures less than 5°C (41°F) or greater than 35°C (95°F).

3 Mounting surface — Place the unit on a flat, even surface.

4 Ventilation — The unit should be situated with adequate space around it so that proper heat ventilation is assured. Allow 10 cm (4 in.) clearance from the rear and the top of the unit, and 5 cm (2 in.) from each side.

- Do not place the unit on a bed, rug, or similar surface that may block the ventilation openings.
- Do not install the unit in a bookcase, cabinet, or airtight rack where ventilation may be impeded.

5 Objects and liquid entry — Make sure that objects or liquids do not get inside the unit through the ventilation openings.

6 Carts and stands — When placed or mounted on a stand or cart, the unit should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the unit or cart to overturn or fall.



7 Condensation — Moisture may form on the CD pickup lens when:

- The unit is moved from a cold spot to a warm spot
- The heating system has just been turned on
- The unit is used in a very humid room
- The unit is cooled by an air conditioner

When this unit has condensation inside, it may not function normally. Should this occur, leave the unit for a few hours, then try to operate again.

8 Wall or ceiling mounting — The unit should not be mounted on a wall or ceiling, unless specified in the Operating Instructions.

Electric Power

1 Power sources — Connect this unit only to power sources specified in the Operating Instructions, and as marked on the unit.

2 Polarization — As a safety feature, some units are equipped with polarized AC power plugs which can only be inserted one way into a power outlet. If it is difficult or impossible to insert the AC power plug into an outlet, turn the plug over and try again. If it still does not easily insert into the outlet, please call a qualified service technician to service or replace the outlet. To avoid defeating the safety feature of the polarized plug, do not force it into a power outlet.

3 AC power cord

- When disconnecting the AC power cord, pull it out by the AC power plug. Do not pull the cord itself.
- Never handle the AC power plug with wet hands, as this could result in fire or shock.
- Power cords should be firmly secured to avoid being severely bent, pinched, or walked upon. Pay particular attention to the cord from the unit to the AC outlet.
- Avoid overloading AC outlets and extension cords beyond their capacity, as this could result in fire or shock.

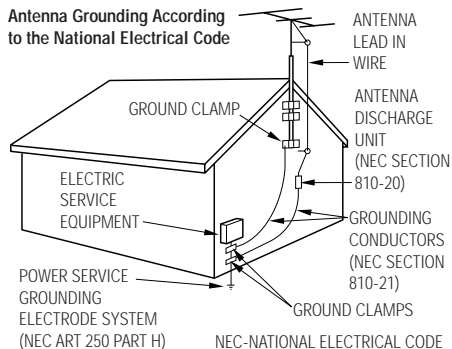
4 Extension cord — To help prevent electric shock, do not use a polarized AC power plug with an extension cord, receptacle, or other outlet unless the polarized plug can be completely inserted to prevent exposure of the blades of the plug.

5 When not in use — Unplug the AC power cord from the AC outlet if the unit will not be used for several months or more. When the cord is plugged in, a small amount of current continues to flow to the unit, even when the power is turned off.

Outdoor Antenna

1 Power lines — When connecting an outdoor antenna, make sure it is located away from power lines.

2 Outdoor antenna grounding — Be sure the antenna system is properly grounded to provide protection against unexpected voltage surges or static electricity build-up. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information on proper grounding of the mast, supporting structure, and the lead-in wire to the antenna discharge unit, as well as the size of the grounding unit, connection to grounding terminals, and requirements for grounding terminals themselves.



Maintenance

Clean the unit only as recommended in the Operating Instructions.

Damage Requiring Service

Have the unit serviced by a qualified service technician if:

- The AC power cord or plug has been damaged
- Foreign objects or liquid have gotten inside the unit
- The unit has been exposed to rain or water
- The unit does not seem to operate normally
- The unit exhibits a marked change in performance
- The unit has been dropped, or the cabinet has been damaged

DO NOT ATTEMPT TO SERVICE THE UNIT YOURSELF.

TABLE OF CONTENTS

PRECAUTIONS	2
PREPARATIONS	4
PARTS AND CONTROLS	5
ADJUSTMENTS BEFORE OPERATION	8
SOUND ADJUSTMENTS	9
CD OPERATIONS	10
RADIO OPERATIONS	12
TIMER OPERATIONS	13
REFERENCE	14

System and accessories

Main unit

Speakers

Remote control

FM antenna

AM antenna

OWNER'S RECORD

Record the model number and serial number of your set (found at the rear of your set) below. Refer to them when contacting your Aiwa dealer.

Model No. _____

Serial No. _____

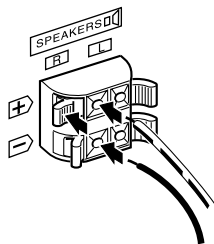
PREPARATIONS

Connection

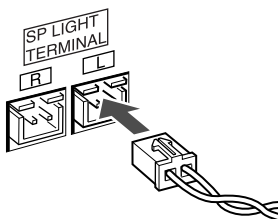
Plug in the AC power cord to the AC power outlet after all other connections are made.

1 Connect the speakers to the main unit.

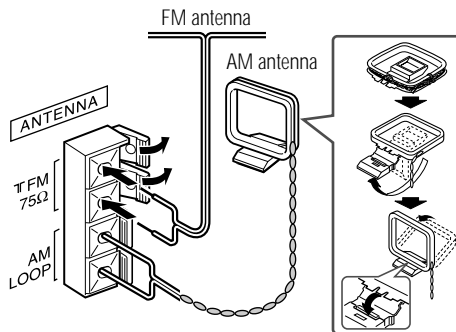
- 1 Connect the right speaker to the SPEAKERS R terminals and the left to the SPEAKERS L terminals. The speaker cords with the stripes go to the \oplus terminals.



- 2 Connect the speaker light cord from the right speaker to the SP LIGHT TERMINAL R jack, and the left to the SP LIGHT TERMINAL L jack.



- 2 Connect the supplied antennas. Connect the FM antenna to the FM 75 Ω terminals and the AM antenna to the AM LOOP terminals.



- 3 Connect the AC power cord to an AC power outlet. When the AC power cord is connected to an AC power outlet for the first time, DEMO appears on the display. To deactivate the DEMO, press **eco/demo** and the clock will flash on the display. For setting the clock, see page 9.

Speakers

- Do not short-circuit the \oplus and \ominus speaker cord leads.
- Do not leave objects generating magnetism or objects affected by magnetism near the speakers.

Antennas

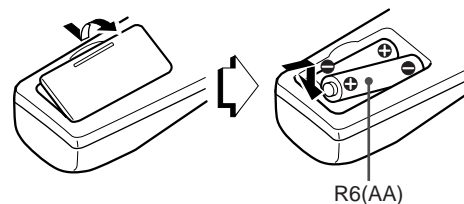
Keep antennas away from metallic objects, electrical equipment and cords.

FM antenna: Extend fully in a T-shape. If reception is poor, connect an optional outdoor antenna to the FM 75 Ω terminals. Be sure to connect the shield braid of the antenna to the ⏏ terminal.

AM antenna: Rotate to find the best reception.

Remote control

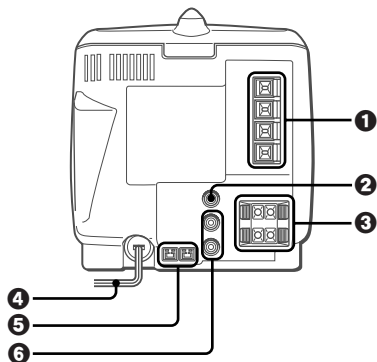
Detach the battery compartment lid at the rear of the remote control and insert two R6 (size AA) batteries with correct polarity.



- Replace the batteries with new ones when the operational distance between the remote control and main unit becomes shorter.
- Remove the batteries if the unit is not going to be used for an extended period of time.
- The remote control may not operate if it is used under intense sunlight or if its line of sight is obstructed.

PARTS AND CONTROLS

Main unit: rear



⑥ AUX IN jacks

Accept analog sound signals from external equipment. Connect external equipment using an optional connecting cable with RCA phono plugs (red plug to the R jack, white plug to the L jack). Refer also to the operating instructions for your equipment.

To switch function to external input, press **function** (**FUNCTION** on the remote control) repeatedly to select the AUX function.

① AM LOOP and FM 75 Ω terminals

Connect the supplied AM and FM antennas.

② SUPER WOOFER jack

Connect an optional powered sub woofer with a built-in amplifier to this jack.

③ **SPEAKERS** terminals

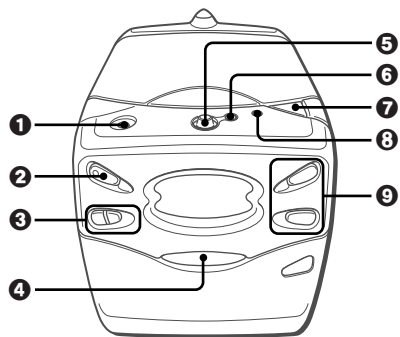
Connect the speaker cords of the supplied speakers.

④ AC power cord

⑤ SP LIGHT TERMINAL jacks

Connect the speaker light cords so that the lights illuminate from inside the speakers.

Main unit: front



1 phones jack

Plug in optional headphones set with a stereo mini plug (ø3.5 mm, 1/8 in.). Speaker output is canceled.

2 power standby/on

Switches the unit on and off (standby).

3 display

CD: displays the track number being played and elapsed playing time, the remaining time of play, and the volume level.

Radio: displays the frequency of the tuned station and the volume level.

eco/demo

When the unit is turned off: selects ECO mode, DEMO mode or displays the clock.

When the unit is turned on: selects DEMO mode.

4 function

Switches the active function among FM, AM, AUX and CD.

5 Operation dial

Move this dial up, down, left or right to change functions.

enter/color

Determines the mode and the time (clock and timer). Also selects the display color.

▶ preset

CD: starts play.

Radio: tunes in a preset station.

■ clear

CD: stops play.

Radio: clears a preset station.

⏮/⏪, ⏩/⏭

CD: skips to a previous or a succeeding track when pushed, and searches a track in fast forward or reverse play when kept pushed.

Radio: manually tunes up or down within the band.

6 || set

CD: pauses play.

Radio: stores the received station to preset.

7 OPEN

Opens the disc compartment.

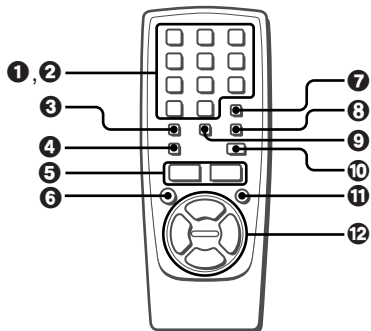
8 sound/timer

Adjusts the sound, sets the timer and turns the speaker lights on or off.

9 volume (∧ / ∨)

Adjusts the volume.

Remote control



Buttons with the same or similar names on the main unit basically have the same function.

❶ 0-9, +10

CD: selects a track of the specified number.

Radio: tunes in the station with the specified preset number.

❷ The numbered buttons take on these functions when pressed with **SHIFT** held down:

REPEAT

Selects repeat CD play mode.

PROGRAM

Selects programmed CD play mode.

MONO

Switches between stereo or monaural FM reception.

CLOCK

Selects clock setting mode.

RANDOM

Selects random CD play mode.

❸ DISPLAY

❹ COLOR

Selects the display color.

❺ VOL (▼/▲)

❻ POWER

❼ SHIFT

Hold down when pressing a numbered button to change its function to that printed above the number.

❽ BAND

Selects radio function and the radio band.

❾ EQ

Selects a sound equalization curve.

❿ FUNCTION

⓫ PAUSE

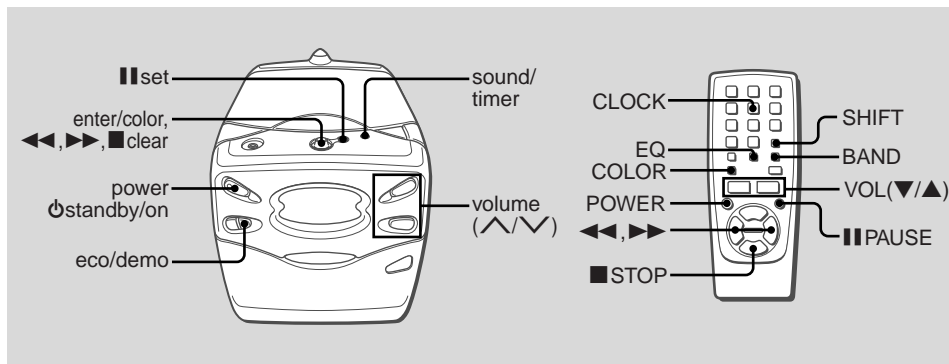
⓬ PLAY

⏮/⏪, ⏩/⏭ (SKIP/SEARCH)

■ STOP

ADJUSTMENTS BEFORE OPERATION

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Power

Turning the unit on

Press **power** \odot **standby/on** (**POWER** on the remote control).

Alternatively, press **BAND** on the remote control.

Turning the unit off

Press **power** \odot **standby/on** again.

The unit goes into standby.

Volume

Press **volume** (\wedge / \vee) (**VOL** (∇ / \blacktriangle) on the remote control).

Adjust from 0 (minimum) to 30 and MAX (maximum).

Tip:

Volume level setting is retained during power-off standby. If the unit is turned off with the volume set to 22 or higher, it is automatically turned down to 21 the next time the unit is turned on.

DEMO

If the clock has not been set, a DEMO appears on the display when the unit is turned off.

To deactivate the DEMO

Press **eco/demo**. The clock flashes. For setting the clock, see page 9.

ECO mode

Reduces power consumption with the following operations.

After clock is set, this unit allows you to regulate its power consumption by displaying nothing on the display while the power is off. **This is called power economizing mode.**

Press **eco/demo** while the unit is turned off.

Each press of this button changes the display status as follows:

- ① Demo display (power economizing mode canceled)
- ② Power economizing mode
- ③ Clock display (power economizing mode canceled)

When power economizing mode is activated

When the unit turns off, "ECO MODE" is displayed for 4 seconds, and everything on the display clears.

Only the red indicator on the **power** button lights to show that power is being supplied to the unit.

Standby power consumption

When power economizing mode is activated: 1.6 W

When power economizing mode is deactivated: 5.4 W

Changing the display color

The display color can be changed to 12 different colors (select color mode). You can also select 12 different colors for each function (function color mode).

You can select between select color mode and function color mode.

Select color mode

- 1 Press **enter/color** (**COLOR** on the remote control) to display "SELECT C" while the power is on.
- 2 Within 4 seconds, push the dial left (\blacktriangleleft) or right (\blacktriangleright) (press \blacktriangleleft or \blacktriangleright on the remote control) to select the color.

Function color mode

- 1 Hold down **enter/color** (**COLOR** on the remote control) until "F-CL" is displayed.
- 2 Push the dial left (\blacktriangleleft) or right (\blacktriangleright) (press \blacktriangleleft or \blacktriangleright on the remote control) so that "CL EDIT" is displayed.
If there is no operation for 4 seconds, setting is canceled.
- 3 Press **enter/color** (**COLOR** on the remote control). The source name and color number flashes on the display.
If there is no operation for 4 seconds, setting is canceled.

- 4 Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to select a source, then press **enter/color** (COLOR on the remote control).
- 5 Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to select the color, then press **enter/color** (COLOR on the remote control).
- 6 Repeat steps 4 and 5 to determine the colors for other sources.
- 7 Press **enter/color** (COLOR on the remote control).

Changing the color mode

- 1 Hold down **enter/color** (COLOR on the remote control) until "F-CL" is displayed.
- 2 Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to select "F-CL ON" or "F-CL OFF".
 - F-CL ON: function color mode
 - F-CL OFF: select color mode
 If there is no operation for 4 seconds, setting is canceled.
- 3 Press **enter/color** (COLOR on the remote control). If there is no operation for 4 seconds, setting is canceled.

Turning the speaker lights on and off

- 1 Press **sound/timer** repeatedly until "LIGHT ON" or "LIGHT OFF" is displayed.
- 2 Within 7 seconds, push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to turn the speaker lights on or off.

Setting the clock

- 1 Hold down **SHIFT** and press **CLOCK** on the remote control.
When the unit is turned off, you can also press **||** or **enter/color**.
- 2 Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to set the time.
Each push (press) changes the time in 1-minute steps. Keeping the dial pushed left (◀◀) or right (▶▶) (holding ◀◀ or ▶▶ down on the remote control) will vary the time in 10-minute units. If there is no operation for 4 seconds, setting is canceled.
- 3 Press **||** or **enter/color**.
The time display stops flashing and the clock starts from 00 seconds.

To display the time while the power is on

Hold down **SHIFT** and press **CLOCK** on the remote control. The time will be displayed for 4 seconds.

To switch to the 24-hour standard

Display the time and push the dial down (■) (press ■ on the remote control) within 4 seconds. With each push (press), the clock alternates between 12- and 24-hour standard time.

Tip:

In the 12-hour standard, "AM 12:00" indicates midnight and "PM 12:00" noon.

If the clock display flashes when the unit is turned off

There has been a power interruption. Reset the clock.

SOUND ADJUSTMENTS

Graphic equalizer

Selects a sound equalization curve to match the music type.

- 1 Press **sound/timer** repeatedly until one of the three equalization curves or "OFF" appears.
- 2 Within 7 seconds, push the dial left (◀◀) or right (▶▶) to select an equalization curve.
 - ROCK: Powerful sound emphasizing treble and bass
 - POP: More presence in the vocals and midrange
 - JAZZ: Accented lower frequencies for jazz-type music

Alternatively, press **EQ** repeatedly on the remote control.

To cancel equalization

Repeat the above until "OFF" appears.

T-BASS

Emphasizes low frequencies for a powerful sound.

- 1 Press **sound/timer** repeatedly until "T-BASS" is displayed.
 - 2 Within 7 seconds, push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) to select an emphasis level (1, 2, 3, or "OFF").
The "T-BASS" indicator will also light up when T-BASS is on.
- If the sound becomes distorted with the T-BASS effect, cancel the effect.

CD OPERATIONS

Q SURROUND system

The Q SURROUND system built into this unit uses only two speakers at the left and right to create an atmosphere that sounds as if you are surrounded by two front speakers and two rear speakers.

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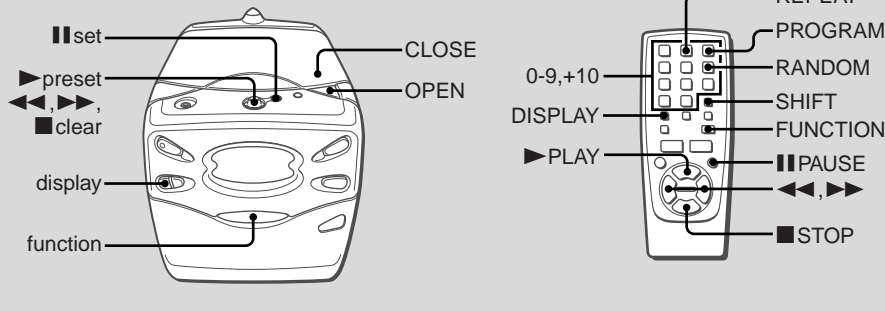
- 1 Press **sound/timer** repeatedly until "QSURROUND" flows from right to left.
- 2 Within 4 seconds, push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) so that "ON QSURROUND" flows from right to left and the "QSURROUND" indicator lights up on the display.

To cancel the Q SURROUND effect

Repeat the above so that "OFF QSURROUND" flows from right to left and the "QSURROUND" indicator goes off.

Tip:

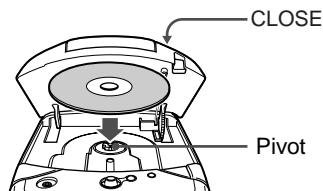
- The Q SURROUND system does not work in monaural mode.
- When the Q SURROUND system is on, the sound may be distorted at higher volumes. If this happens, turn the volume down.



This unit plays finalized CD-R/RW discs as well as audio CDs.

Playing a CD

- 1 Press **function (FUNCTION)** repeatedly to select the CD function.
- 2 Press **OPEN** to open the disc compartment. Place a disc with the label side up. Then close the disc compartment.



- 3 Push the dial up (▶) (press ▶ on the remote control) to start play.

To stop play

Push the dial down (■) (press ■ on the remote control).

To pause play

Press **||**. Press again to resume play.

To skip to the beginning of the current/preceding succeeding track

Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) repeatedly.

To search (playing in fast forward or reverse)

Keep the dial pushed left (◀◀) or right (▶▶) (hold down ◀◀ or ▶▶ on the remote control). Release at the desired point.

To remove the disc

Press **OPEN** in stop mode to open the disc compartment. Then pull out the disc while pressing the center pivot.

To select a track with the remote control (Direct play)

Press the numbered buttons to select a track.

- To select track 25, press **+10**, **+10** and **5**.
- To select track 10, press **+10** and **0**.

To change the display in play mode

Press **display (DISPLAY)** during play.

The display changes in the following order:

- 1 Track number being played and elapsed playing time
- 2 Remaining time of play
- 3 Volume level

- Remaining time of play cannot be displayed during random play or programmed play.

Random/Repeat play

In random play mode the unit plays all the tracks in random order. In repeat play mode it plays repeatedly all the tracks or the track being played. You can select random and repeat all play at the same time.

Random play

- 1 Hold down **SHIFT** and press **RANDOM** on the remote control so that "RANDOM" is displayed and the "RANDOM" indicator lights up on the display.
 - 2 Push the dial up (▶) (press ▶ on the remote control) to start play.
To cancel, hold down **SHIFT** and press **RANDOM** so that the "RANDOM" indicator goes off.
- Direct selection of the tracks with the numbered buttons cancels random play mode.

Repeat play

Hold down **SHIFT** and press **REPEAT** on the remote control repeatedly to select either of the following modes:

- ◀: Repeat all play
- ◀ 1: Repeat 1 play

To cancel, hold down **SHIFT** and press **REPEAT** repeatedly until "◀" or "◀ 1" disappears.

To repeat a selected set of tracks

First select the tracks with programmed play. Then selects repeat play. (see "Programmed play" on this page).

- If random play mode is activated during "◀ 1" play mode, the "◀ 1" will be canceled and "◀" will be selected.

Programmed play

Plays up to 30 selected tracks in programmed order.

- 1 Hold down **SHIFT** and press **PROGRAM** on the remote control in stop mode.
"PRGM" flashes on the display.
- 2 Press the numbered buttons on the remote control to program a track.
 - To select the 25th track, press **+10**, **+10** and **5**.
 - To select the 10th track, press **+10** and **0**.The selected track number lights up on the display.
- 3 Repeat step 2 to program other tracks.
The total number of selected tracks and total playing time will be displayed.
- 4 Push the dial up (▶) (press ▶ on the remote control) to start play.

- During programmed play, you cannot select a track with the numbered buttons. "Can't USE" is displayed when you try to select a track.
- It is impossible to play a selected set of tracks in random order. If attempted, "Can't USE" will be displayed.
- If the total playing time of the program exceeds 99 minutes and 59 seconds, or if a track with a track number exceeding 30 is programmed, the playing time is displayed as "-:--:--".
- You cannot program more than 30 tracks. "FULL" is displayed.

To check the program

Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) repeatedly in stop mode. The track number and program number are displayed in succession.

To clear the program

Push the dial down (■) (press ■ on the remote control) in stop mode. "PRGM" disappears from the display.

To add tracks to the program

Repeat step 2 before starting play. The tracks are added to the end of the program.

To change the programmed tracks

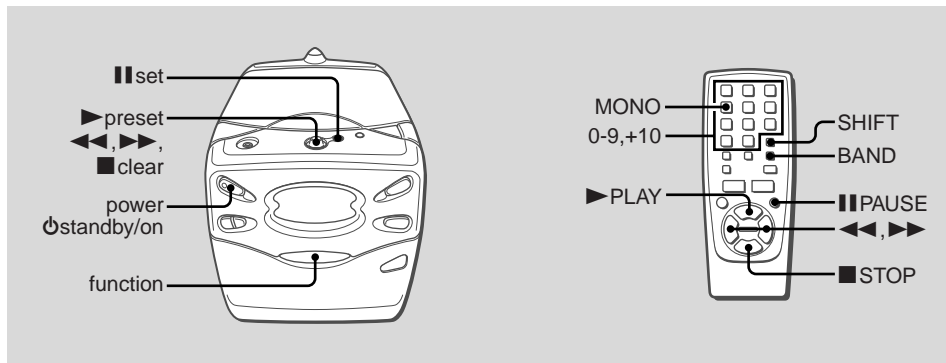
Clear the program and repeat all the steps again.

Notes on CDs

- Do not place more than one disc.
- Do not tilt the unit with a disc loaded.
- The unit may not play CD-R/RW discs recorded on personal computers or certain kinds of CD-R/RW recorders.
- Do not attach adhesive label to either side of CD-R/RW discs, as doing so may cause malfunction.
- Do not load an unrecorded CD-R/RW disc. The disc may be damaged.
- Do not try to open the disc compartment during play.
- Do not touch the CD pickup lens. If it is soiled, CDs may not be played normally.

RADIO OPERATIONS

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Manual tuning

- 1 Press **function** (**BAND** on the remote control) repeatedly to select a band.
The unit switches to the radio from any other function and alternates between FM and AM.
- 2 Push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control) repeatedly to tune in a station.
"TUNE" is displayed when a station is tuned in.
"(((FM)))" lights up for FM stereo reception.

To search for a station automatically (Auto search)

Keep the dial pushed left (◀◀) or right (▶▶) (hold down ◀◀ or ▶▶ on the remote control).

The unit searches for a station and stops at reception.

To stop the search manually, push the dial left (◀◀) or right (▶▶) (press ◀◀ or ▶▶ on the remote control).

- Auto search may not stop at stations with weak signals.

Preset tuning

Preset up to 32 of your favorite stations and tune them in directly.

Presetting stations

- 1 Tune in the desired station.
 - 2 Press **||** to store the station.
The preset number, beginning from "1", appears on the display.
 - 3 Repeat steps 1 and 2 to preset other stations.
- You cannot store more than 32 preset stations.
"FULL" is displayed.
 - If power is interrupted for more than approximately 12 hours, all settings stored in memory after purchase need to be reset.

Tuning in preset stations

- 1 Select the band.
- 2 Push the dial up (▶) (press ▶ on the remote control) repeatedly.
With each push (press), the station with the succeeding preset number is tuned in.
You can tune in the desired preset station directly by pressing the numbered buttons on the remote control.
 - To select preset number 10, press **+10** and **0**.
 - To select preset number 15, press **+10** and **5**.

To clear a preset station

- 1 Tune in the station by preset tuning.
- 2 Push the dial down (■) (press ■ on the remote control), then press **||** within 4 seconds.
Preset station numbers in the band which are higher than the cleared number decrease by one.

TIMER OPERATIONS

Adjustments

To switch to monaural FM reception

Hold down **SHIFT** and press **MONO** on the remote control so that "MONO" is displayed. To cancel, press again to display "STEREO".

Tip:

When FM stereo reception is poor, switching to monaural reduces noise.

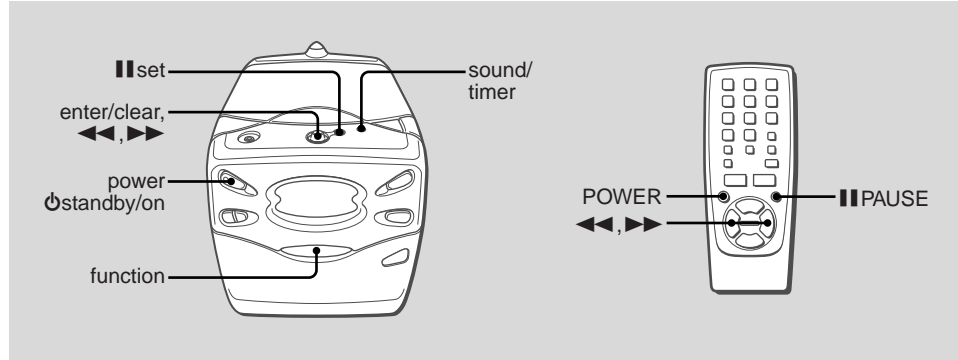
To switch the AM tuning interval

The default setting of the AM tuning interval is 10 kHz/step. If you use this unit in an area where the frequency allocation system is 9 kHz/step, change the tuning interval.

Hold down **||** and press **power** on the main unit.

Tip:

When the AM tuning interval is changed, all preset stations are cleared.



Sleep timer

Turns off the unit automatically after a specified time.

- 1 Press **sound/timer** repeatedly. "SLEEP" is displayed.
- 2 Push the dial left (<<<) or right (>>>) (press <<< or >>> on the remote control) repeatedly to set the sleep timer duration. With each push (press), the timer duration changes in 5-minute steps between 5 to 240 minutes. If there is no operation for 4 seconds, the current setting is entered automatically. The unit turns off after the selected time.

To check the remaining time until the unit turns off

Press **sound/timer** repeatedly. The remaining time is displayed for 7 seconds.

To cancel the sleep timer

- 1 Press **sound/timer** repeatedly so that "SLEEP" is displayed.
- 2 Push the dial left (<<<) or right (>>>) (press <<< or >>> on the remote control) until "SLEEP OFF" appears and the "SLEEP" indicator disappears from the display.

Timer playback

Turns on the unit at a specified time for the specified duration. Make sure the clock is set correctly.

- 1 Press **sound/timer** repeatedly to display "Ⓜ".
- 2 Push the dial left (<<<) or right (>>>) so that "Ⓜ PLAY" is displayed. If there is no operation for 7 seconds, setting is canceled.
- 3 Press **enter/color**. If there is no operation for 7 seconds, setting is canceled. "Ⓜ" lights up. The timer-on time and the source name along with the timer-activated duration appear alternately on the display.

- 4 Push the dial left (◀◀) or right (▶▶) to set the timer-on time.
- 5 Press **function** repeatedly to select the desired playback source, then press **enter/color** or **II**.
- 6 Push the dial left (◀◀) or right (▶▶) to set the timer-activated duration.
With each push, the timer-activated duration changes in 5-minute steps between 5 to 240 minutes.
If there is no operation for 4 seconds, the current setting is entered automatically.
- 7 Within 4 seconds, press **enter/color** or **II**.
The timer-on time and the source name with the timer-activated duration are displayed once.
- 8 Adjust the volume and tone for timer playback.
If the volume level is set to 22 or higher, it is automatically turned down to 21 when the unit is turned on by the timer.
- 9 Prepare the source.
To play CD, load a disc.
To play the radio, select the band and tune in the desired station.
To play external equipment connected to the AUX IN jacks, set an external timer for the equipment so that its playback begins at the same time.

- 10 Press **power** **⏻** **standby/on** to turn the unit off.
"⊕" remains on the display to indicate timer standby mode (when ECO mode is deactivated).
At timer-on time, the unit turns on and plays the selected source. After the specified timer-activated duration, the unit turns off again.
- Timer playback will not begin unless the unit is turned off first.
 - Connected equipment cannot be turned on or off by the built-in timer of this unit. Use an external timer.

To check the timer setting

- 1 Press **sound/timer** repeatedly to display "⊕ PLAY".
- 2 Within 7 seconds, press **enter/color**.
The timer-on time and the source name along with the timer-activated duration appear alternately on the display.
- 3 Press **enter/color** or **II** twice to confirm the setting.

To change the timer setting

Reset the timer again.

To turn off the timer

- 1 Press **sound/timer** repeatedly to display "⊕ PLAY".
- 2 Within 7 seconds, push the dial left (◀◀) or right (▶▶) so that "⊕ OFF" is displayed.
- 3 Within 7 seconds, press **enter/color**.
"⊕" disappears from the display.

Tip:

Your timer setting is retained even if the timer is turned off. Next time the timer is turned on, you can change your previous setting, or simply use the same setting again.

REFERENCE

Care and maintenance

Occasional care and maintenance of the unit and the software are needed to optimize the performance of your unit.

To clean the cabinet

Use a soft and dry cloth. If the unit surfaces are extremely dirty, use a soft cloth lightly moistened with mild detergent solution. Do not use strong solvents such as alcohol, benzene or thinner.

Care of CDs

When a CD becomes dirty, wipe it from the center out with a cleaning cloth. After playing a CD, store it in its case. Do not keep it in hot or humid places.

Troubleshooting

If your unit fails to perform properly, check the following guide and the relevant sections of this manual.

There is no sound

- Are the speakers and AC power cord connected properly?

The unit shut off suddenly

- Possibly a short circuit in the speaker terminals. Disconnect the AC power cord from the AC outlet and reconnect the speaker cords correctly.

All the display lights turn off when the power is off

- Is ECO mode set to on?

Erroneous display

- Reset the unit (see "Resetting the unit" on the next page).

Poor radio reception

- Check antenna connection. Adjust the antenna to find the best reception.
- Move unit and antenna away from other electric appliances and cords.

The CD player works poorly

- Is the disc correctly inserted?
- Is the disc dirty?
- Is the lens affected by condensation? If so, wait approximately one hour and try again.

The speaker lights do not turn on

- Are the speaker light cords connected properly?
- Is the speaker light setting on? (See "Turning the speaker lights on and off" on page 9.)

Resetting the unit

If an unusual condition occurs in the display window, reset the unit as follows:

1 Press **power** to turn off the power.

If the power cannot be turned off, disconnect the AC power cord, then plug it in again.

2 Keep the dial pushed down (■) and press **power** on the main unit.

Everything stored in memory after purchase is cleared.

Specifications

MAIN UNIT

TUNER

FM tuning range	87.5 MHz to 108 MHz
FM usable sensitivity (IHF)	13.2 dBf
FM antenna terminals	75 ohms (unbalanced)
AM tuning range	530 kHz to 1710 kHz (10 kHz step)
	531 kHz to 1602 kHz (9 kHz step)
AM usable sensitivity	350 µV/m
AM antenna	Loop antenna

AMPLIFIER

Power output	5.5 W + 5.5 W (50 Hz - 20 kHz, THD less than 1%, 6 ohms)
	7 W + 7 W (1 kHz, THD less than 10%, 6 ohms)
Total harmonic distortion	0.15% (3.5 W, 1 kHz, 6 ohms, DIN AUDIO)
Input	AUX IN: 600 mV
Outputs	SPEAKERS: 6 ohms or more phones: 16 ohms or more SUPER WOOFER: 0.85 V

CD PLAYER

Laser	Semiconductor laser ($\lambda = 780$ nm)
D/A converter	1 bit dual
Signal-to-noise ratio	85 dB (1 kHz, 0 dB)
Harmonic distortion	0.08% (1 kHz, 0 dB)
Wow and flutter	Unmeasurable

GENERAL

Power requirements	120 V AC, 60 Hz
Power consumption	22 W
Power consumption in standby mode	With ECO mode on: 1.6 W With ECO mode off: 5.4 W
Dimensions (W × H × D)	166 × 162 × 256.2 mm (6 ⁵ / ₈ × 6 ¹ / ₂ × 10 ¹ / ₈ in.)
Weight	2.5 kg (5 lbs 8 oz)

SPEAKER SYSTEM

Speaker system	2 way, bass reflex (magnetic shielded)
	6 ohms
Impedance	6 ohms
Dimensions (W × H × D)	166 × 157 × 224.5 mm (6 ⁵ / ₈ × 6 ¹ / ₄ × 8 ⁷ / ₈ in.)
Weight	0.8 kg (1 lbs 12 oz)

Specifications and external appearance are subject to change without notice.

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.



As an ENERGY STAR® Partner, AIWA has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

For assistance and information

call toll free 1-800-BUY-AIWA

(United States and Puerto Rico)

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